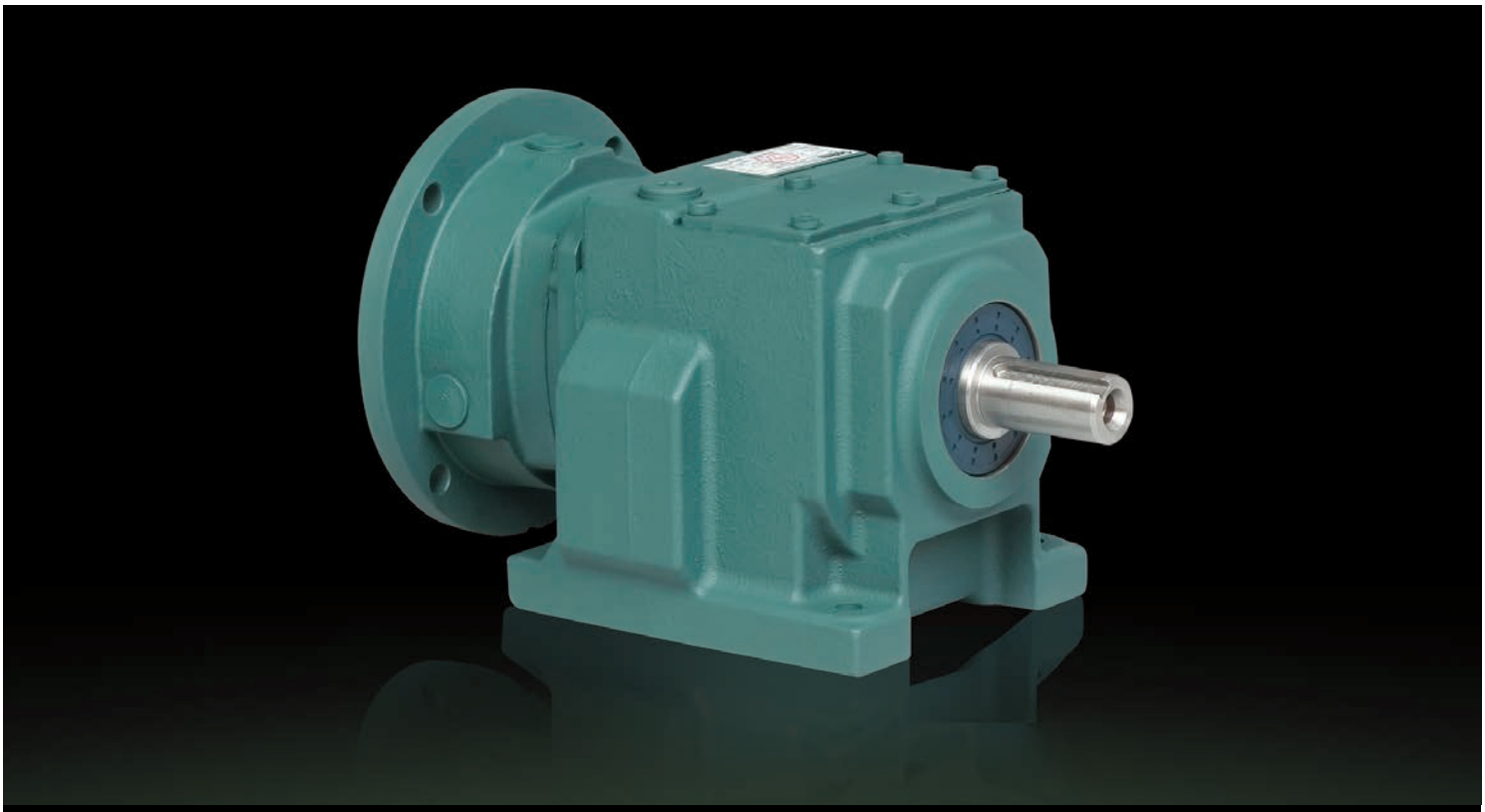
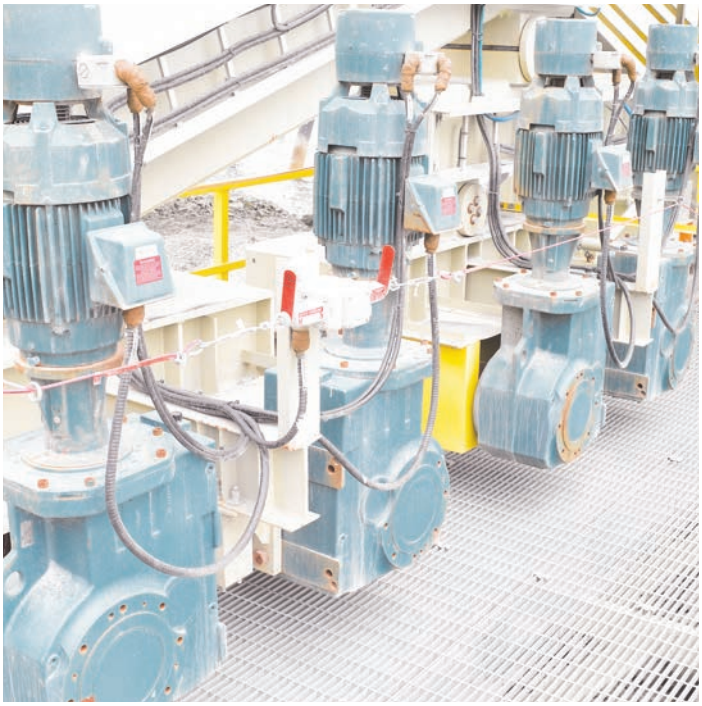


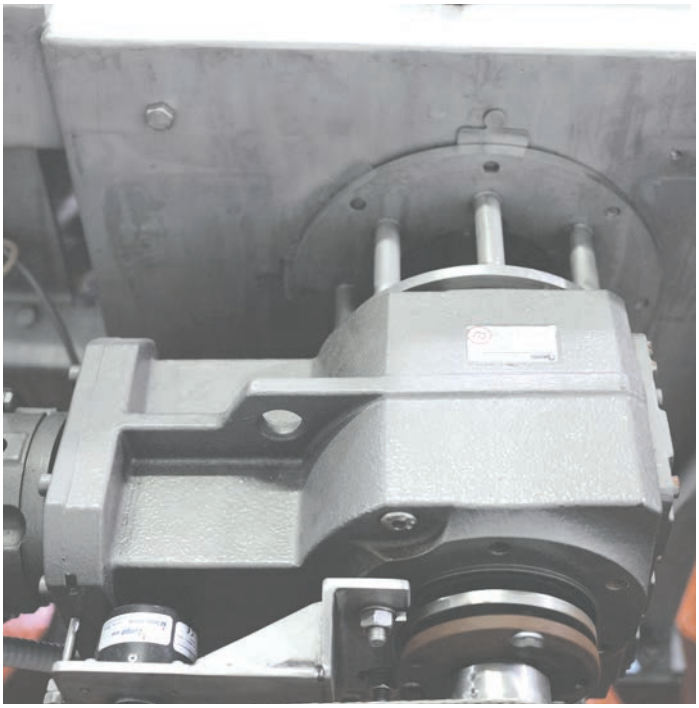
Catalog

Quantis Reducers

DODGE®

We provide motors and generators, services and expertise to save energy and improve customers' processes over the total lifecycle of our products, and beyond.



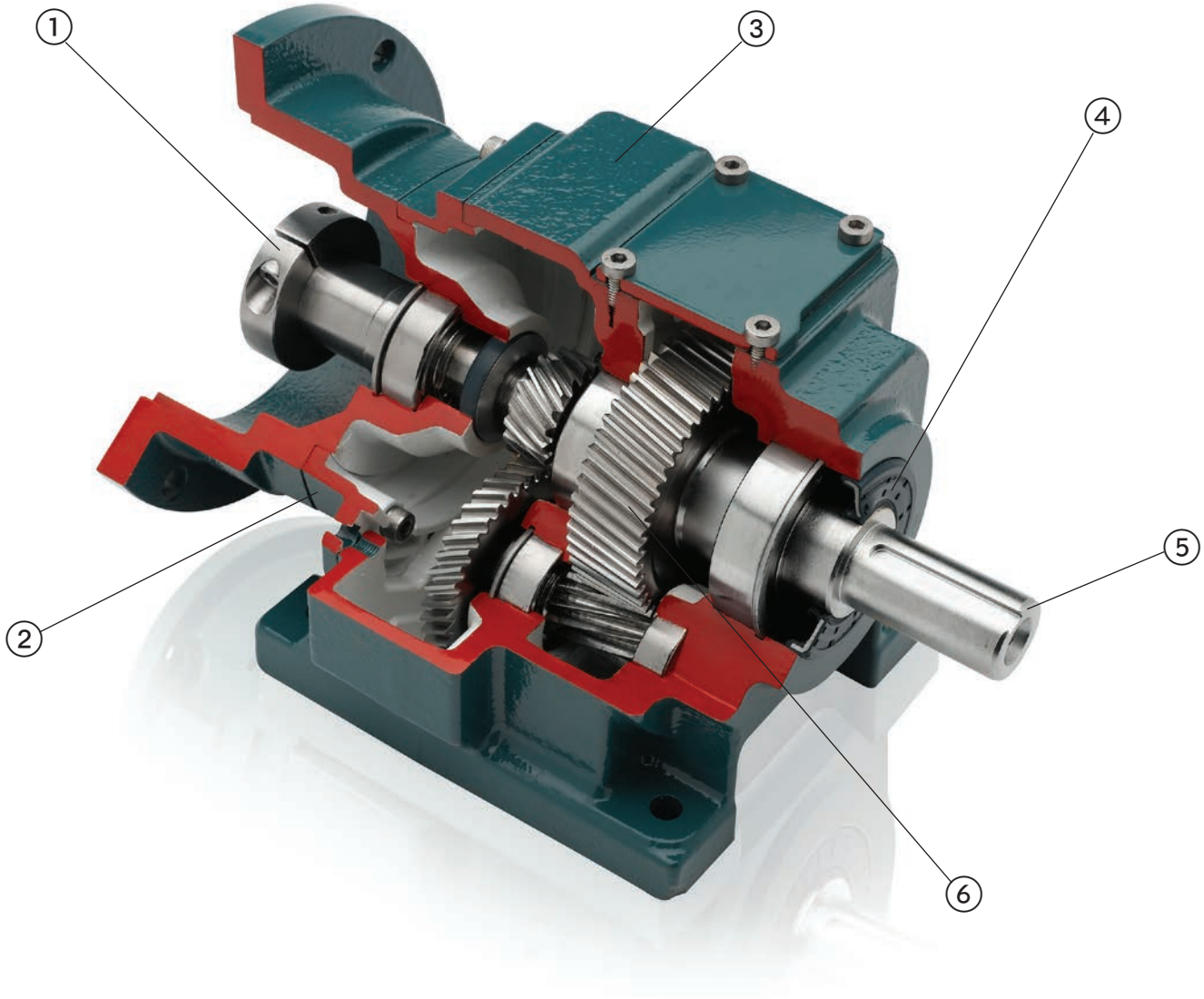


Quantis® reducers
Contents

Quantis® reducers

Features and benefits

ILH B5 flanged reducer

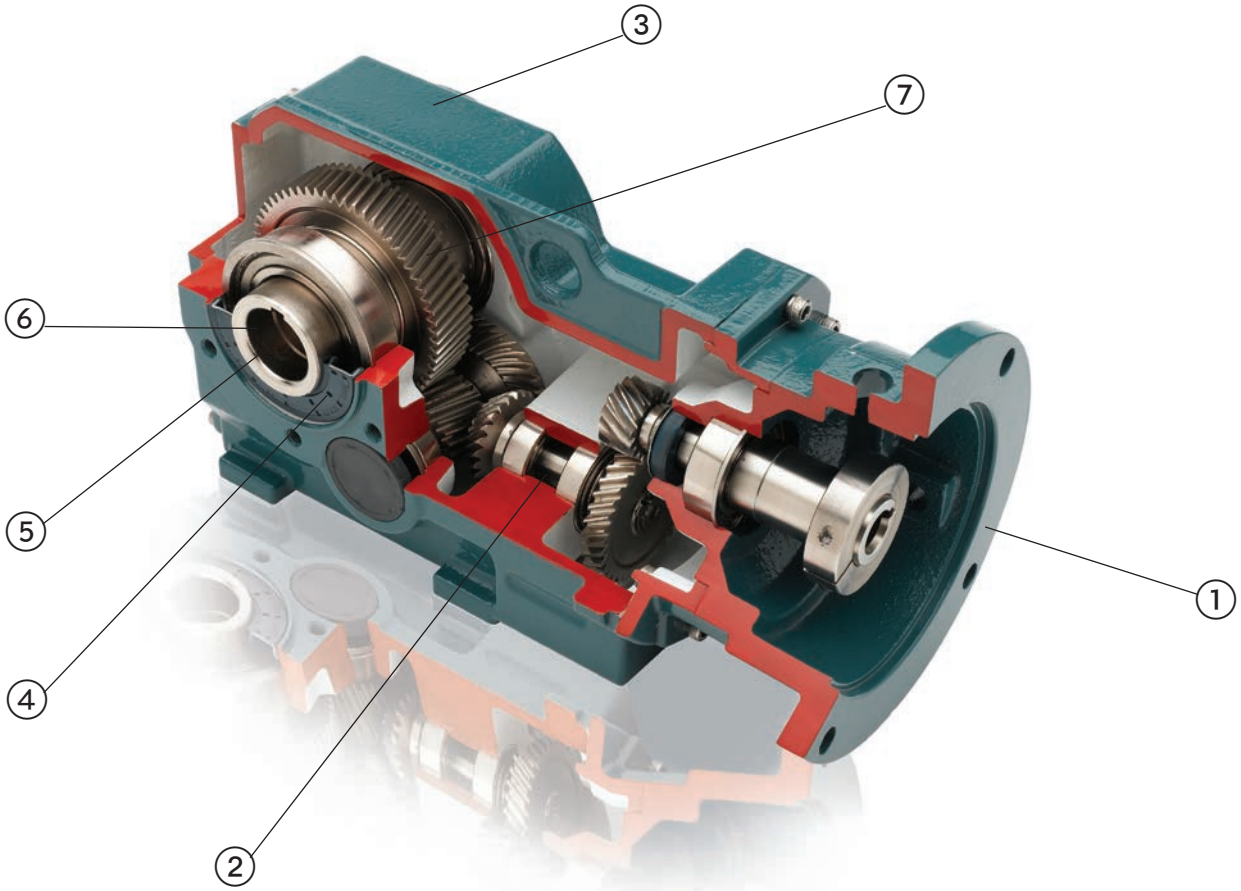


1. Multiple input options
   - C-Face adapters for mounting of NEMA and IEC motors
   - Free Input
2. All gearboxes are factory filled with Mobilgear 600 XP 220
3. Reducer housings are constructed of class 30 gray iron with cast internal ribbing for added strength
4. Spring loaded double lip seals of nitrile rubber (NBR) material. All seals are rubber coated to eliminate seal-to-bore joint leakage.
5. High strength carbon steel shafts in inch or metric diameters
6. Gearing is of single helical design and ground to provide ellipsoid tooth which eliminates tooth wearing and assures meshing in the strongest tooth area
   - Gear material is alloy steel
   - Gears are case hardened and ground to AGMA class 11
   - 20 degree pressure angle to minimize noise
   - 98% efficient per stage of gearing

Quantis® reducers

Features and benefits

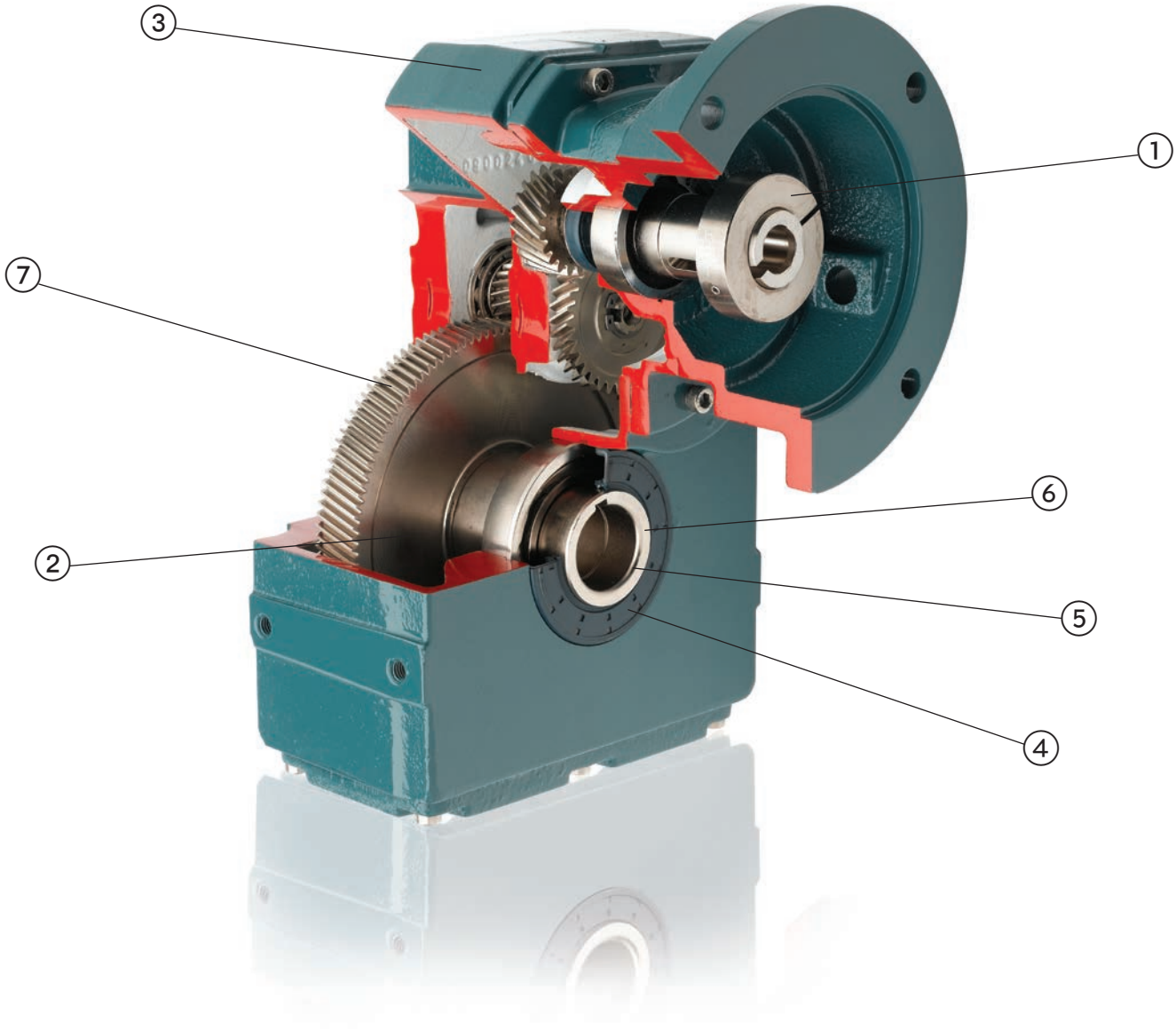
RHB B5 flanged reducer



1. Multiple input options
   - C-Face adapters for mounting of NEMA and IEC motors
   - Free Input
2. All gearboxes are factory filled with Mobilgear 600 XP 220
3. Reducer housings are constructed of class 30 gray iron with cast internal ribbing for added strength
4. Spring loaded double lip seals of nitrile rubber (NBR) material. All seals are rubber coated to eliminate seal-to-bore joint leakage.
5. High strength carbon steel shafts in inch or metric diameters
6. Multiple output options
   - Single or double output shafts
   - Straight hollow bore
   - Tapered hollow bore
   - Shrink disk
7. Gearing is of single helical design and ground to provide ellipsoid tooth which eliminates tooth wearing and assures meshing in the strongest tooth area
   - Gear material is alloy steel
   - Gears are case hardened and ground to AGMA class 11
   - 20 degree pressure angle to minimize noise
   - 98% efficient per stage of gearing

Quantis® reducer

Features and benefits
MSM B5 flanged reducer



1. Multiple input options
   - C-Face adapters for mounting of NEMA and IEC motors
   - Free Input
2. All gearboxes are factory filled with Mobilgear 600 XP 220
3. Reducer housings are constructed of class 30 gray iron with cast internal ribbing for added strength
4. Spring loaded double lip seals of nitrile rubber (NBR) material. All seals are rubber coated to eliminate seal-to-bore joint leakage.
5. High strength carbon steel shafts in inch or metric diameters
6. Multiple output options
   - Single solid shaft
   - Straight hollow bore
   - Tapered hollow bore
   - Shrink disk
7. Gearing is of single helical design and ground to provide ellipsoid tooth which eliminates tooth wearing and assures meshing in the strongest tooth area
   - Gear material is alloy steel
   - Gears are case hardened and ground to AGMA class 11
   - 20 degree pressure angle to minimize noise
   - 98% efficient per stage of gearing

Quantis® reducers

Features and benefits
General technical information

- Customized solutions through modular design concept
- One-piece case construction provides increased strength and reduces potential oil leaks
- Higher torque ratings in a compact housing design
- Higher overhung load ratings for output and input shaft
- Multiple output shaft options offer increased flexibility
- Extended two stage reduction ratios
- Dimensionally interchangeable with major competitors
- Clamp collar offers compact C-face solutions and reduces fretting corrosion
- Low noise operation
- Up to 98% efficient

Quantis Speed Reducers are available in 3 product ranges (ILH, RHB, MSM) and 8 sizes: 38, 48, 68, 88, 108, 128, 148 and 168

- Output torque range: 6 to 1400 Nm
- Ratio range: 3,49:1 to 359:1
- Input motor power range: 0,18 to 55 kW
- Motor adapters (B5): IEC 71 to 250

Input Modular Options
- Integral Gearmotor
- Clamp Collar
- 3 Piece Coupled
- Free Input

Output Housing Configurations
- Foot Mounted
- Flange Mounted

Output Shaft Type options
- Single Extension Solid Shaft
- Double Extension Solid Shaft
- Straight Hollow Bore
- Twin Tapered Hollow Bore
- Metric Shrink Disk

Accessory options
- B14/B5 Output Flange
- CEMA Screw Conveyor
- Torque Arm
- Backstops

Technical Information
The Dodge Quantis Speed Reducer is suitable for B5 Flanged or free input construction in either base or output flange mountings, and available in double or triple reductions.

Reducer housings and covers are constructed of corrosion resistant, class 30 grey iron with cast internal ribbing for added strength. All housings are cast while some covers are cast and others are steel. All housings are precision machined to assure accurate alignment for all gear sets.

Gearing is of single helical or spiral bevel design. Helical gearing is ground to provide an ellipsoid tooth form which eliminates tooth wearing and assures meshing in the strongest tooth area. Spiral bevel gears are hobbed and lapped. All gears are case carburized to insure a high surface durability and resilient tooth core for greater impact resistance and longer service life.

The input pinion has a shank pinion design that is assembled by being pressed into place.

Reducer bearings can be the roller or ball type and provide a minimum 10,000 hour average life. All seals are of the spring loaded type, made of nitrile rubber. Optional Viton seals are available

Reducer gears and bearings are splash lubricated using an ISO 220 lubricant which provides protection against rust. The lubricant allows an operating temperature range of +12°C to +41°C (+10°F to 105°F) ambient.

B5 Flanged reducers are of the coupling type or clamp collar design so as to eliminate or minimise fretting corrosion between the motor shaft and the reducer stub shaft.

How to order Quantis
Quantis Reducers have unit designations assigned that can be found on the selection pages. Refer to these unit designations when ordering. Always specify:
- Mounting position
- Specify flange mounting, if applicable
- Accessories / Modifications, if required
- Ratio
- Output shaft dimension
- Motor input speed and power

Step 1: For applications with one start/hour or less and constant load skip Step 2 and proceed to Step 3. For application with more than one start/hour proceed to step 2. For pulsating (cyclic) loads contact Application Engineering.

Step 2: Determine mass acceleration factor:

$$\text{Mass acceleration factor} = \frac{\text{All exterior moments of inertia with reference to the motor speed}}{\text{Moments of inertia drive motor}}$$

Mass moment of inertia:

$$J = \frac{m \bullet r^2}{2} = \frac{G}{2g} \bullet r^2$$

$$J_{red} = 91,2 \bullet m \bullet \frac{v^2}{n^2_{mot}}$$

m	=	linear moved mass in kg
r	=	radius
G	=	Weight
g	=	gravitational acceleration
v	=	velocity of mass in m/s
n_{mot}	=	motor speed in min^{-1}

Quantis® reducers
Features and benefits
General technical information

Load Classification

Step 3: With inertia ratio determined, use following chart to select load classification:

Chart 1

Load classification	Driven machine
I light shocks	Mass acceleration factor < 0,3: Generators, belt conveyors, light hoists, electric hoists, auxiliary machine tool drives, turbo blowers, turbo compressors, agitators and mixers for light uniform density materials.
II moderate shocks	Mass acceleration factor < 3: Main machine tool drives, hoists, slewing gear, cranes, induced draught fans, mixer and agitator for materials with variable density, multicylinder piston pumps, metering pumps.
III heavy shocks	Mass acceleration factor < 10: Punch presses, shears, Banbury mixers, rolling mill and foundry drivers, bucket dredger, heavy centrifugal drives, heavy metering pumps, rotary drilling equipment, briquette presses, pub mills.

Step 4:

Chart 2

Daily operation		8 hours			16 hours			24 hours		
Starts / hours		< 10	10-200	> 200	< 10	10-200	> 200	< 10	10-200	> 200
Load classification	I	1,0	1,1	1,2	1,1	1,2	1,3	1,3	1,4	1,5
	II	1,2	1,3	1,4	1,3	1,4	1,5	1,5	1,6	1,7
	III	1,4	1,5	1,6	1,5	1,6	1,7	1,6	1,8	2,0

Step 4:
Service Factor
The listed service factors apply only when electric motors are used as prime motors. Service factors listed in Chart 2 are for general industrial applications. It is recommended that the Application Worksheet on page XXX be completed and sent to Application Engineering when any of the following conditions are expected:
- Instantaneous loads exceed 200 % of the reducer rating
- Frequent or cyclical speed changes
- Heavy shock loads
- Reversing loads
- Temperature variations
- Prime movers other than electric motors

Other questionable conditions

Step 5: Using the service factor obtained in Step 4, calculate the equivalent power [kW]:
Equivalent kW = Demand kW • Service Factor

The electric motor nameplate rating should be used for the demand kW.

Step 6:
Reducer selection: From rating tables in this catalogue make reducer selection based on input speed, ratio, and equivalent kW.

Step 7:
Check overhung loads by using the following formula:

$$F_R = \frac{T \bullet 2000}{d_o} \bullet f_z$$

F_R = Overhung load [N]
T = Torque [Nm]
f_z = Transmission element factor
- Chain Drive: $f_z = 1.00$
- Synchronous Belt Drive: $f_z = 1.30$
- Spur or Helical Gear: $f_z = 1.25$
- V-Belt Drive: $f_z = 1.50$
- Flat Belt: $f_z = 2.50$

d_o = mean diameter of the driving element [mm]

Permissible Overhung Loads (OHL) at Service Factor 1.0
1. Calculation based on bearing life

$$F_{x\ perm.1} = F_{R\ perm.} \frac{y}{z + x} \quad [N]$$

2. Calculation based on shaft strength

$$F_{x\ perm.2} = \frac{a}{b + x} \quad [kN]$$

The lower $F_{x\ perm.}$ of the two calculation results is the permissible overhung load. If values on tables are not sufficient for requirement, please consult Application Engineering. Higher overhung loads are permitted under certain load conditions. The dimension x is the distance from the shaft shoulder to the point where the load ($F_{x\ perm.}$) is applied.

For OHL of ILH see page 22-23.
For OHL of RHB see page 790-91.
For OHL of MSM see page 189-190.

Quantis® reducers
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Service factor classification for industry applications

Conversion table for single or multi-cylinder engines to find equivalent single or multi-cylinder application factor or service factor

	Steam and gas turbines, hydraulic or electric motor	Single cylinder engines	Multi-cylinder engines
Applications which expose the gear drive to high starting torques, extreme repetitive shock, or where high energy loads must be absorbed as when stalling, require special consideration. Service factors for the special applications should be agreed upon by the user and Baldor•Dodge since variations of the values in the table may be required. The service factors in the service factor table are based on the use of an electric or hydraulic motor or the use of a steam or gas turbine as a prime mover. If the prime mover is a single or multi-cylinder engine, then the service factor must be adjusted in accordance with the conversion table.	1.00	1.50	1.25
	1.25	1.75	1.50
	1.50	2.00	1.75
	1.75	2.25	2.00
	2.00	2.50	2.25
	2.25	2.75	2.50
	2.50	3.00	2.75
	2.75	3.25	3.00
	3.00	3.50	3.25
	3.50	4.00	3.75

Service factor

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Agitators (Mixers)		
Pure Liquids	1,00	1,25
Liquids & Solids	1,25	1,50
Liquid - Variable Density	1,25	1,50
Blowers		
Centrifugal	1,00	1,25
Lobe	1,25	1,50
Vane	1,25	1,50
Brewing & Distilling		
Bottle Machinery	1,00	1,25
Brew Kettles, Cont. Duty	1,25	1,25
Cookers - Cont. Duty	1,25	1,25
Mash Tubs - Cont. Duty	1,25	1,25
Scale Hoppers - Frequent Starts	1,25	1,50
Can Filling Machines	1,00	1,25
Car Dumpers	1,75	2,00
Car Pullers	1,25	1,50
Clarifiers	1,00	1,25
Classifiers	1,25	1,50
Clay Working Machinery		
Brick Press	1,75	2,00
Briquette Machines	1,75	2,00
Pug Mills	1,25	1,50
Compactors	2,00	2,00
Compressors		
Centrifugal	1,00	1,25
Lobe	1,25	1,50
Reciprocating:		
Multi-cylinder	1,50	1,75
Single Cylinder	1,75	2,00
Conveyors - General Purpose		
Includes Apron, Assembly, Belt, Bucket, Chain, Flight, Oven and Screw		
Uniformly Loaded or Fed	1,00	1,25
Heavy Duty - Not Uniformly Fed	1,25	1,50
Severe Duty - Reciprocating or Shaker	1,75	2,00

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Cranes		
Dry Dock		
Main Hoist	2,50	2,50
Auxiliary Hoist	2,50	3,00
Boom Hoist	2,50	3,00
Slewing Drive	2,50	3,00
Traction Drive	3,00	3,00
Container		
Main Hoist	3,00	3,00
Boom Hoist	2,00	2,00
Trolley Drive		
Gantry Drive	3,00	3,00
Traction Drive	2,00	2,00
Mill Duty		
Main Hoist	3,50	3,50
Auxiliary Hoist	3,50	3,50
Bridge	3,00	3,00
Trolley Travel	3,00	3,00
Industrial Duty		
Main Hoist	2,50	3,00
Auxiliary Hoist	2,50	3,00
Bridge	3,00	3,00
Trolley Travel	3,00	3,00
Crushers		
Ore or Stone	1,75	2,00
Dredges		
Cable Reels	1,25	1,50
Conveyors	1,25	1,50
Cutter Head	2,00	2,00
Pumps	2,00	2,00
Screen Drives	1,75	2,00
Stackers	1,25	1,50
Winches	1,25	1,50

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Elevators		
Bucket	1,25	1,50
Centrifugal Discharge	1,00	1,25
Escalators	1,00	1,25
Freight	1,25	1,50
Gravity Discharge	1,00	1,25
Extruders		
General	1,50	1,50
Plastics		
Variable Speed Drive	1,50	1,50
Fixed Speed Drive	1,75	1,75
Rubber		
Continuous Screw Operation	1,75	1,75
Intermittent Screw Operation	1,75	1,75
Fans		
Centrifugal	1,00	1,25
Cooling Towers	2,00	2,00
Forced Draft	1,25	1,25
Induced Draft	1,50	1,50
Industrial & Mine	1,50	1,50
Feeders		
Apron	1,25	1,50
Belt	1,25	1,50
Disc	1,00	1,25
Reciprocating	1,75	2,00
Screw	1,25	1,50
Food Industry		
Cereal Cookers	1,00	1,25
Dough Mixers	1,25	1,50
Meat Grinders	1,25	1,50
Slicers	1,25	1,50
Generators and Exciters	1,00	1,25
Hammer Mills	1,75	2,00

Quantis® reducers
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Service factor (continued)

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Hoist		
Heavy Duty	1,75	2,00
Medium Duty	1,25	1,50
Skip Hoist	1,25	1,50
Laundry		
Tumblers	1,25	1,50
Washers	1,50	2,00
Lumber Industry		
Barkers - Spindle Feed	1,25	1,50
Main Drive	1,75	1,75
Conveyors - Burner	1,25	1,50
Main or Heavy Duty	1,50	1,50
Main Log	1,75	2,00
Re-Saw Merry-Go-Round	1,25	1,50
Conveyor		
Slab	1,75	2,00
Transfer	1,25	1,50
Chains		
Floor	1,50	1,50
Green	1,50	1,75
Cut-Off Saws		
Chain	1,50	1,75
Drag	1,50	1,75
Debarking Drums	1,75	2,00
Feeds		
Edger	1,25	1,50
Gang	1,75	1,75
Trimmer	1,25	1,50
Log Deck	1,75	1,75
Log Hauls - Incline, Well Type	1,75	1,75
Lumber Industry (continued)		
Log Turning Devices	1,75	1,75
Planer Feed	1,25	1,50
Planer Tilting Hoists	1,50	1,50
Rolls - Live - Off Bearing - Roll Cases	1,75	1,75
Sorting Table, Tipple Hoist	1,25	1,50
Tipple Hoist	1,25	1,50
Transfer		
Chain	1,50	1,75
Craneway	1,50	1,75
Tray Drives	1,25	1,50
Veneer Lathe Drives	1,25	1,50

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Metal Mills		
Draw Bench Carriages & Main Drives	1,25	1,50
Runout Table		
Non-Reversing		
Group Drives	1,50	1,50
Individual Drives	2,00	2,00
Reversing	2,00	2,00
Slab Pushers	1,50	1,50
Shears	2,00	2,00
Wire Drawing	1,25	1,50
Wire Winding Machine	1,50	1,50
Metal Strip Processing Machinery		
Bridles	1,25	1,50
Coilers & Uncoilers	1,00	1,25
Edge Trimmers	1,25	1,50
Flatteners	1,25	1,50
Loopers (Accumulators)	1,00	1,25
Pinch Rolls	1,25	1,50
Scrap Choppers	1,25	1,50
Shears	2,00	2,00
Slitters	1,25	1,50
Mills, Rotary Type		
Ball and Rod		
Spur Ring Gear	2,00	2,00
Helical Ring Gear	1,50	1,50
Direct Connected	2,00	2,00
Cement Kilns	1,50	1,50
Dryers & Coolers	1,50	1,50
Mixers		
Concert	1,25	1,50
Paper Mills		
Agitator (Mixer)	1,50	1,50
Agitator for Pure Liquids	1,25	1,25
Barking Drums	2,00	2,00
Barkers - Mechanical	2,00	2,00
Beater	1,50	1,50
Breaker Stack	1,25	1,25
Calendar (3)	1,25	1,25
Chipper	2,00	2,00
Chip Feeder	1,50	1,50
Coating rolls	1,25	1,25

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Paper Mills (continued)		
Conveyors		
Chip, Bark, Chemical	1,25	1,25
Logs (Including Slab)	2,00	2,00
Couch Rolls	1,25	1,25
Cutter	2,00	2,00
Cylinder Molds	1,25	1,25
Dryers (3)		
Paper Machine	1,25	1,25
Conveyor Type	1,25	1,25
Embosser	1,25	1,25
Extruder	1,50	1,50
Fourdrinier Rolls (Includes lump breaker, dandy roll, wire turning and return rolls	1,25	1,25
Jordan	1,50	1,50
Kiln Drive	1,50	1,50
Mt. Hope Rolls	1,25	1,25
Paper Rolls	1,25	1,25
Platter	1,50	1,50
Presses - Felt & Suction	1,25	1,25
Pulper	2,00	2,00
Pumps - Vacuum	1,50	1,50
Reel (Surface Type)	1,25	1,25
Screens -		
Chip	1,50	1,50
Rotary	1,50	1,50
Vibrating	2,00	2,00
Size Press	1,25	1,25
Super Calender	1,25	1,25
Thickener		
AC Motor	1,50	1,50
DC Motor	1,25	1,25
Washers		
AC Motor	1,50	1,50
DC Motor	1,25	1,25
Wind & Unwind Stand	1,00	1,00
Winders (Surface Type)	1,25	1,25
Yankee Dryer	1,25	1,25

Quantis® reducers
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How to order

Service factor (continued)

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Plastic Industry		
Primary Processing		
Intensive Internal Mixers		
Batch Mixers	1,75	1,75
Continuous Mixers	1,50	1,50
Batch Drop Mill - 2 Smooth Rolls	1,25	1,25
Continuous Feed, Holding & Blend Mill	1,25	1,25
Compounding Mill	1,25	1,25
Calenders	1,50	1,50
Secondary Processing		
Blow Molders	1,50	1,50
Coating	1,25	1,25
Film	1,25	1,25
Pipe	1,25	1,25
Pre-Plasticizers	1,50	1,50
Rods	1,25	1,25
Sheet	1,25	1,25
Tubing	1,75	2,00
Pullers - Barge Haul	1,25	1,50
Pumps		
Centrifugal	1,00	1,25
Proportioning	1,25	1,50
Reciprocating		
Single Acting, 3 or More Cylinders	1,25	1,50
Double Acting, 2 or More Cylinders	1,25	1,50
Rotary		
Gear	1,00	1,25
Lobe	1,00	1,25
Vane	1,00	1,25
Rubber Industry		
Intensive Internal Mixers		
Batch Mixers	1,75	1,75
Continuous Mixers	1,50	1,50
Mixing Mill - 2 smooth rolls	1,50	1,50
(If corrugated rolls are used, then use the same service factors that are used for a Cracker - Warmer)		

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Rubber Industry (continued)		
Batch Drop Mill - 2 Smooth Rolls	1,50	1,50
Cracker Warmer - 2 Rolls; 1 Corrugated Roll	1,75	1,75
Cracker - 2 Corrugated Rolls	2,00	2,00
Holding, Feed & Blend Mill - 2 Rolls	1,25	1,25
Refiner - 2 Rolls	1,50	1,50
Calenders	1,50	1,50
Sand Muller	1,25	1,50
Screens		
Air Washing	1,00	1,25
Rotary - Sand or Gravel	1,25	1,50
Traveling Water Intake	1,00	1,25
Sewage Disposal		
Bar Screens	1,25	1,25
Chemical Feeders	1,25	1,25
Dewatering Screens	1,50	1,50
Scum Breakers	1,50	1,50
Slow or Rapid Mixers	1,50	1,50
Sludge Collectors	1,25	1,25
Thickeners	1,50	1,50
Vacuum Filters	1,50	1,50
Sugar Industry		
Beet Slicer	2,00	2,00
Cane Knives	1,50	1,50
Crushers	1,50	1,50
Mills (Low Speed End)	1,75	1,75
Textile Industry		
Batchers	1,25	1,50
Calenders	1,25	1,50
Card	1,25	1,50
Dry Cans	1,25	1,50
Dryers	1,25	1,50
Dyeing Machinery	1,25	1,50
Looms	1,25	1,50
Mangles	1,25	1,50
Nappers	1,25	1,50
Pads	1,25	1,50
Slashers	1,25	1,50

Application	Service 3-10 hrs./ day	Service 10 + hrs./ day
Textile Industry (continued)		
Soapers	1,25	1,50
Spinners	1,25	1,50
Tenter Frames	1,25	1,50
Washers	1,25	1,50
Winders	1,25	1,50

Quantis® reducers

Lubrication options

The list below shows lubricants that are available as factory fill in QUANTIS reducers. The standard factory fill lubricant is Mobilgear 600 XP 220, which is a high performance mineral oil lubricant with special additives for use in industrial gear products.

Ambient temperature	Oil type	ISO viscosity grade	Available oils	Available food grade oils (NSF H1)
10° F to 105° F (-12° C to 41° C)	Mineral Oil	220	Mobilgear 600 XP 220 (standard fill *)	~
-20° F to 50° F (-29° C to 13° C)	Synthetic	68	Mobil SHC 626	~
-10° F to 115° F (-23° C to 46° C)	Synthetic	220	Mobil SHC 630	~
30° F to 140° F (-0° C to 60° C)	Synthetic	460	Mobil SHC 634	~
25° F to 75° F (-4° C to 29° C)	Mineral Oil	220	~	Chevron FM 220
45° F to 105° F (7° C to 41° C)	Mineral Oil	460	~	Chevron FM 460

*Previous factory fill oil was Mobilgear 630 –
Mobilgear 600 XP220 and Mobilgear 630 are completely compatible with each other and do not require a flush.

Ambient temperatures listed are for lubricants only and do not indicate a particular gear unit's suitability to run in that ambient. Contact Baldor•Dodge Gearing Application Engineering for application assistance.

All reducers are factory filled according to the mounting position indicated on the order. If the mounting position is changed from the ordered mounting position, the oil level must be changed. The oil volumes shown in the mounting position charts are approximate. The correct oil level is determined by the oil level hole in the housing except for size 38 reducers. If the reducer is ordered with the standard mineral oil and the oil is later changed to synthetic oil, it is recommended the shaft seals be changed to Viton (FKM) material.

ILH, MSM, and RHB reducers are furnished with oil level, drain, and fill plugs except for the size 38, which only has a fill plug. Before starting operation, the breather must be located in the correct location.

Continued operation in cold ambient conditions requires special modifications. Please contact Baldor•Dodge Gearing Application Engineering for application assistance.

The density of the standard factory fill oil is 0,93 lbs/pint (1.98 lbs/liter).

Quantis® reducers
Specification
How to order

Maximum allowable weight of motors on Quantis c-face reducers

When using QUANTIS reducers with B5 flanged inputs, the load from the weight of the motor, plus any brakes, clutches, or other hardware, must be compared to the maximum allowable load. Failure to check the load may result in product failure and injury. The table below lists the maximum allowable load for applications without external shock loading. The information below the table shows how to calculate the actual load. If unsure on how to perform this check, please contact DODGE Gearing Application support. If the calculated load exceeds the maximum allowable load, it is recommended that a separate-input style reducer and foot mounted motor be used. If a B5 flanged input style must be used, then the motor must be supported independently from the reducer. The motor feet must be shimmed by qualified personnel to avoid putting forces on the reducer.

Unit size		Maximum
ILH or MSM	RHB	allowable load (Nm)
38	38 - 48	215
48	68	220
68	88	373
88	108	712
108	128	1062
128	148	1876
148	168	2825
168	—	2938

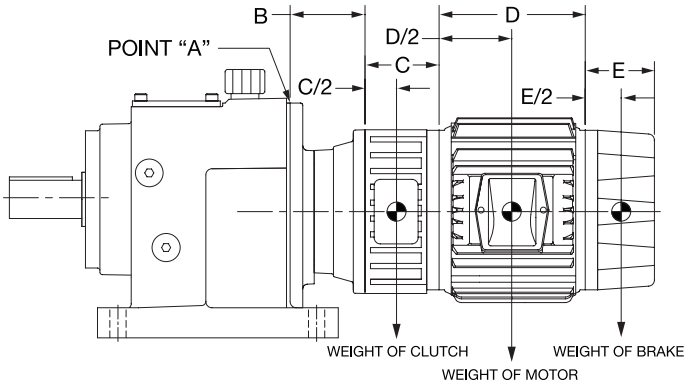
The actual load is calculated by multiplying the distance from the B5 flanged mounting flange on the reducer, Point “A”, to the center of weight of each device, then adding all of the values together. All distances need to be in inches and the weights need to be in pounds.

B = Length of the input assembly. This equals the **ZC** value which is shown on the dimensions pages for each reducer and input size combination.

C = Width of the clutch. (If a clutch is not used, ignore this item) C/2 (C divided by 2) is the distance from the clutch mounting flange to the center of weight for the clutch

D = Width of the main body of the motor. This information can be obtained from the motor manufacturer – it is typically the “C” dimension minus the length of the input shaft. D/2 (D divided by 2) is the distance from the motor mounting flange to the center of weight for the motor. If a clutch is located between the motor and reducer, the length of the clutch, “C”, must be added to D/2 when calculating the load.

E = Width of the brake (if a brake is not used, ignore this item). The center of weight for the brake can be determined by dividing the total width of the brake by 2 (E/2). The width of the clutch, “C”, and the width of the motor, “D”, must be added to E/2 when calculating the load.



Example of an application with a clutch, motor and brake, mounted on a Size 48 RHB footed reducer with solid output shaft with a 140TC clamp collar input:

For this example:

Width of the clutch, “C” is 91,4 mm

Clutch weight is 59 N

Width of the main body of the motor, “D”, is 289,6 mm

Motor weight is 196 N

Width of the brake, “E”, is 101,6 mm

Brake weight is 83 N

B = ZC from Page RHB-123 = **106 mm**

C/2 = Clutch width ÷ 2 = 91,4 ÷ 2 = **45,7 mm**

D/2 = Motor main body width ÷ 2 = 289,6 ÷ 2 = **144,8 mm**

E/2 = Brake width ÷ 2 = 101,6 ÷ 2 = **50,8 mm**

Calculation of the loads from each component – for each calculation, the distance from the center of weight from each component to Point “A” is multiplied by the weight of the component.

The load from the weight of the clutch = (“B” + “C/2”) x clutch weight = (106 mm + 45,7 mm) | (1000) x (59 N) = 8,95 Nm

The load from the weight of the motor = (“B” + “C” + “D/2”) x motor weight = (106 + 91,4 + 144,8) | 1000 x 196 N = 67,0 Nm

The load from the weight of the brake = (“B” + “C” + “D” + “E/2”) x brake weight

= (106 + 91,4 + 289,6 + 50,8) | 1000 x 83 N = 44,3 Nm

The total load is the sum of the component loads and equals 8,95 + 67 + 44,3 = 120,2 Nm. The allowable load for a size 48, RHB = 220, so this combination of components is acceptable for an application without external shock loading.
If this example did not have a clutch or brake, then the load from the motor would be calculated as:

The load from the weight of the motor = (“B” + “D/2”) x motor weight = (106 + 144,8) | 1000 x 196 N = 49 Nm

Quantis® reducers
Specification
How to order

Quantis backstops

Backstops are available as an option, with 3-piece Coupled or Free Input assemblies, for applications that require the prevention of reverse rotation. Backstops are internally mounted in the input assembly by the factory and cannot be reversed in the field. The backstops are premium, lift-off style, and require a minimum input shaft speed to operate correctly. After the lift-off speed is exceeded, the backstops do not have any rubbing components and do not generate any heat. Backstops should not be used for applications when the input shaft speed is below the lift-off speed.

When ordering a reducer equipped with a backstop, it is necessary to indicate on the order the desired direction of rotation of the output shaft. The backstop cannot be reversed in the field after it is assembled into the reducer. **The direction of rotation is defined by looking at the end of the output shaft.** On RHB style reducers, it is also necessary to indicate from which side of the reducer, "A" side or "B" side, the shaft is being viewed. ("A" and "B" side is shown on the following page and on the Mounting Position pages). This also applies to straight hollow shaft, Twin Tapered Bushing, and shrink disk configurations except as noted.

To calculate the maximum allowable torque (peak torque) the backstop will hold at the output shaft, multiply the overall ratio of the reducer by the maximum allowable torque listed below. The nominal torque rating of the backstop is half of the peak value. **NOTE: Other internal components may limit the amount of torque the reducer can apply. Always limit the nominal torque load to the smaller of the reducer torque rating (listed in the selection pages) or nominal torque rating of the backstop.**

3-Piece coupled	Separate group	Lift-off speed (RPM)	Max. allowable torque (Nm)
71D	71	890	72
80D	80	820	300
90D	90	820	300
100D	100	750	379
112D	112	750	320
132D	132	670	800
160D	160	670	800
180D	180	610	1300
225D	225	610	1300
250D	250	610	1300

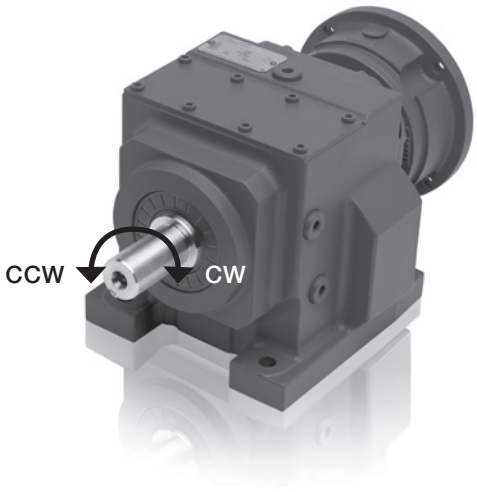
Product	Unit size	Number of reduction stages	Outut shaft direction of rotation looking at the exposed end of the output shaft	Output shaft location side & view	Input shaft rotation looking at the exposed end of the input shaft
ILH	38 - 88	Single	CW	-	CW
ILH	38 - 88	Single	CCW	-	CCW
ILH	38 - 168	Double	CW	-	CCW
ILH	38 - 168	Double	CCW	-	CW
ILH	38 - 168	Triple	CW	-	CW
ILH	38 - 168	Triple	CCW	-	CCW
MSM	38 - 168	Double	CW	A	CCW
MSM	38 - 168	Double	CCW	A	CW
MSM	38 - 168	Triple	CW	A	CW
MSM	38 - 168	Triple	CCW	A	CCW
RHB	38 - 88	Triple	CW	A	CW
RHB	38 - 88	Triple	CCW	A	CCW
RHB	38 - 88	Triple	CW	B ✦	CW
RHB	38 - 88	Triple	CCW	B ✦	CCW
RHB	108 - 168	Triple	CW	A	CCW
RHB	108 - 168	Triple	CCW	A	CW
RHB	108 - 168	Triple	CW	B	CW
RHB	108 - 168	Triple	CCW	B	CCW

✦ Does not apply to Hollow, Twin Tapered Bushing, or Double Extended shafts. For these configurations, specify the direction of rotation by looking at the A side

Quantis® reducers
Specification
How to order

Quantis backstops

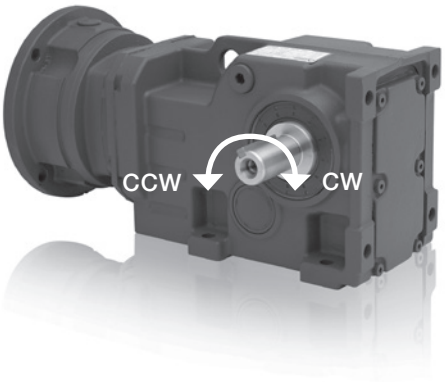
ILH



MSM

RHB - A-SIDE

RHB - B-SIDE



Pictures above are to reference output shaft direction of rotation only.

WARNING

Backstops are not to be used for applications involving energy absorption and shock or torque loads in excess of reducer ratings or on applications such as chair lifts, amusement rides, etc. and where the safety of persons or property is dependent on the function. On such applications, other holding devices must be provided.

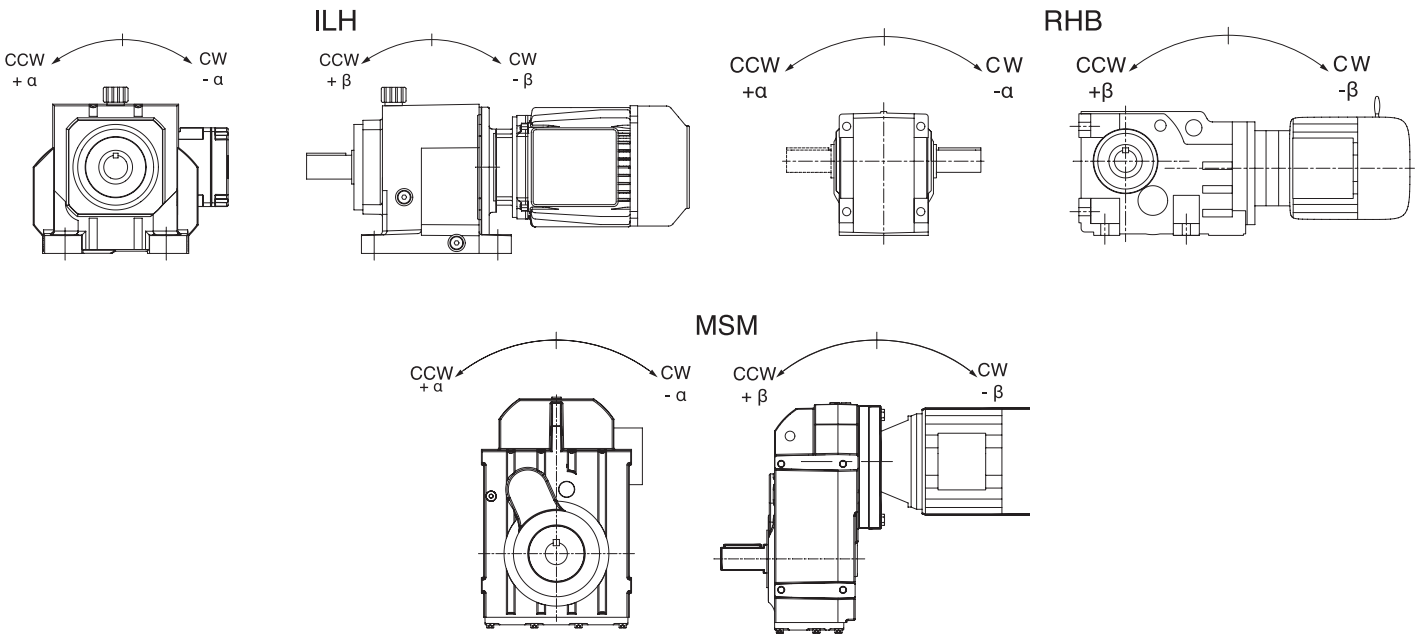
Quantis® reducers
Specification
How to order

Quantis incline mountings

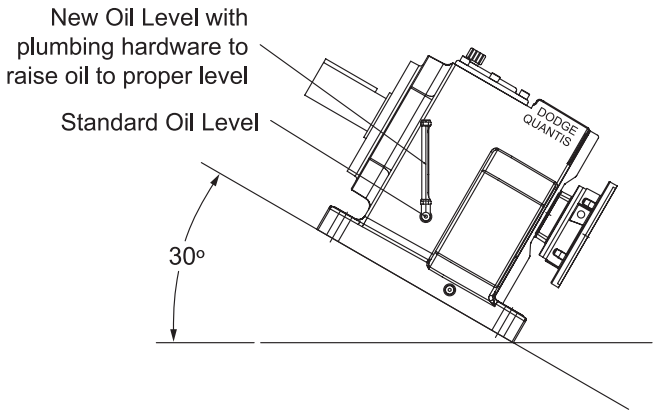
Dodge® Quantis reducers can be modified to permit mounting in positions other than the standard mounting positions shown in the mounting position charts including inclined and tilted positions. Consult application engineering to determine what modifications are required for your specific application.

In order for Dodge to make recommendations on the required modifications, the following information must be provided:

- Reducer Size
- Ratio
- Input and/or Output speed
- Transmitted kW
- Duty Cycle - Continuous vs. intermittent operation. If intermittent, running time vs. idle time.
- Mounting position, such as A1, A2... A6 with shafts level, a complete description of the mounting arrangement including the angle of tilt of the housing, the incline of the shafts and whether the output shaft is higher or lower than the input shaft.



For the example shown here - the unit would be called out with a CW rotation from a A1 mounting position of 30 degrees (Angle β). This illustration represents a typical arrangement for a tilted reducer. The proper oil level will vary with reducer size, ratio, input speed and angle of tilt. Consult Dodge for proper oil level.



Quantis® reducers
ILH nomenclature

Example Reducer

1	2	3	4	5	5a	6	7 [a/b]		8	9	10	10a	10b	11	11a
H	B	38	2	C		I	80D	/	5,55	A1	S	M	25	–	–
H	F	168	3	S	M		250	/	359,30	A1	S	M	120	B5	450

1 Product Series – H = ILH

2 Output Configuration
- B = Foot Mounted
- F = Flange Mounted

3 Unit Size – 38, 48, 68, 88, 108, 128, 148 and 168

4 Reduction Stage
- 2 = Double
- 3 = Triple

5 Input Configuration
Reducers only:
- C = Clamp Collar
- L = 3 Piece Coupled
- S = Free Input

5a M = Metric (only if 5 = S)

6 Motor Type
- I = IEC (for Reducers)
- blank, if 5 = S → go to 7b

7a **Motor Frame**

(for Reducers)

71D	112D	200D
80D	132D	225D
90D	160D	250D
100D	180D	

7b Free input group
71, 80, 90, 100, 112, 132, 160, 180, 225, 250

8 Ratios

ILH38	4,77 - 191,75
ILH48	4,28 - 208,77
ILH68	3,49 - 281,01
ILH88	4,87 - 300,41
ILH108	5,51 - 359,30
ILH128	3,63 - 268,11
ILH148	4,92 - 336,11
ILH168	4,93 - 341,61

9 Mounting Position (See pages 18-20)
A1, A2, A3, A4, A5, A6

10 Output Shaft Type
S = Single Extension Solid Shaft

10a Output Shaft Dimension
M = Metric

10b Output Shaft Diameter
25 to 120 mm

	Std	Optional
ILH 38	25 mm	30 mm
ILH 48	30 mm	40 mm
ILH 68	40 mm	50 mm
ILH 88	50 mm	60 mm
ILH 108	60 mm	70 mm
ILH 128	70 mm	90 mm
ILH 148	90 mm	100 mm
ILH 168	100 mm	120 mm

11 Output Flange Type – B5, B14

11a Output Flange Diameter

	B14 Flange	B5 Flange
ILH 38	120 mm	160 mm 200 mm
ILH 48	160 mm	200 mm 250 mm
ILH 68	190 mm	250 mm 300 mm
ILH 88	245 mm	300 mm 350 mm
ILH 108	300 mm	350 mm 450 mm
ILH 128	340 mm	350 mm 450 mm
ILH 148	340 mm	450 mm 550 mm
ILH 168	400 mm	450 mm 550 mm

Refer to CA1603 for inch and NEMA options.

Quantis® reducers

ILH Mounting positions – In-Line Helical B5-flanged reducers

These mounting arrangements are for all output configurations and output shaft types. **Important! When ordering, please specify mounting position for correct oil quantity.** In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

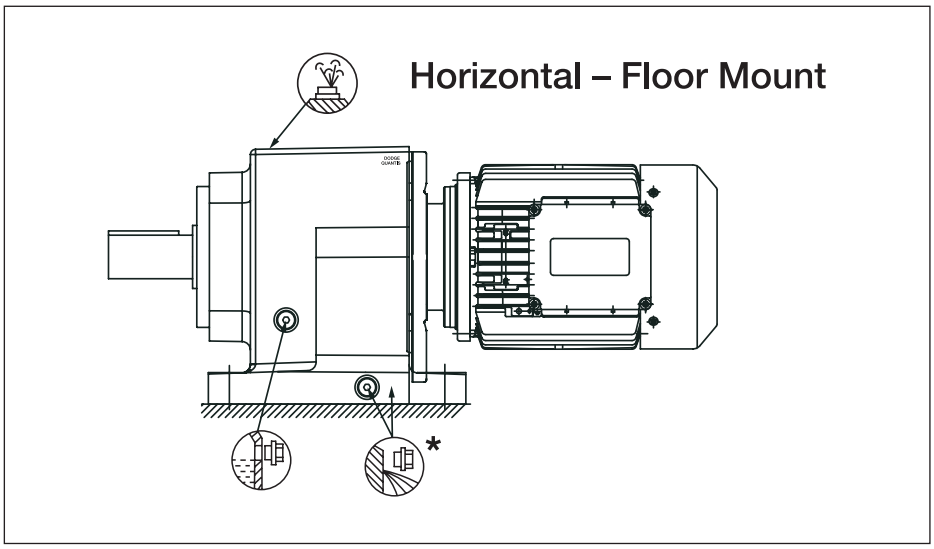
NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **Always** fill the reducer to the correct oil level plug and recheck in one week.

Oil level Ventilation Oil drain

A1

Unit size	Reduction stage	Pints	Liters
38	1	0,3	0,2
	2	1,1	0,5
	3	1,1	0,5
48	1	0,5	0,3
	2	2,3	1,1
	3	2,3	1,1
68	1	1,1	0,5
	2	3,8	1,8
	3	3,6	1,7
88	1	1,6	0,8
	2	8,7	4,1
	3	8,5	4,0
108	2	14,2	6,7
	3	13,7	6,5
128	2	19,0	9,0
	3	18,4	8,7
148	2	25,8	12,2
	3	24,7	11,7
168	2	39,7	18,8
	3	38,3	18,1

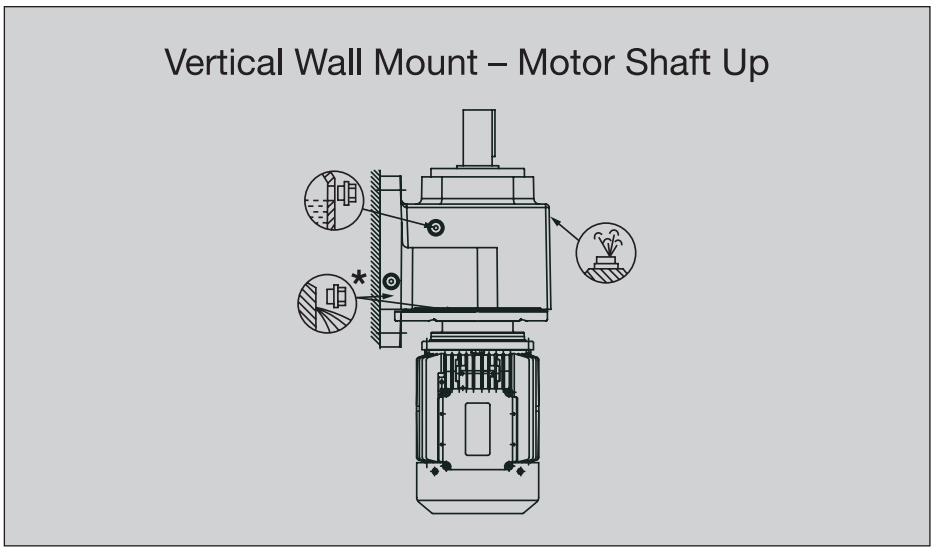
A1



A2

Unit size	Reduction stage	Pints	Liters
38	1	1,2	0,6
	2	2,5	1,2
	3	2,3	1,1
48	1	2,2	1,1
	2	5,1	2,4
	3	5,1	2,4
68	1	3,9	1,9
	2	8,7	4,1
	3	8,5	4,0
88	1	8,0	3,8
	2	18,6	8,8
	3	18,8	8,9
108	2	29,6	14,0
	3	30,0	14,2
128	2	44,2	20,9
	3	45,8	21,5
148	2	58,5	27,7
	3	59,6	28,2
168	2	88,1	41,7
	3	92,4	43,7

A2



ILH 38 units are sealed for life and are furnished with only one plug for filling and draining.

Note: Shaded A2 Mounting is not a recommended mounting position due to the weight of oil on the high speed input seal.

Quantis® reducers

ILH Mounting positions – In-Line Helical B5-flanged reducers

These mounting arrangements are for all output configurations and output shaft types. **Important! When ordering, please specify mounting position for correct oil quantity.** In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **Always** fill the reducer to the correct oil level plug and recheck in one week.

 Oil level

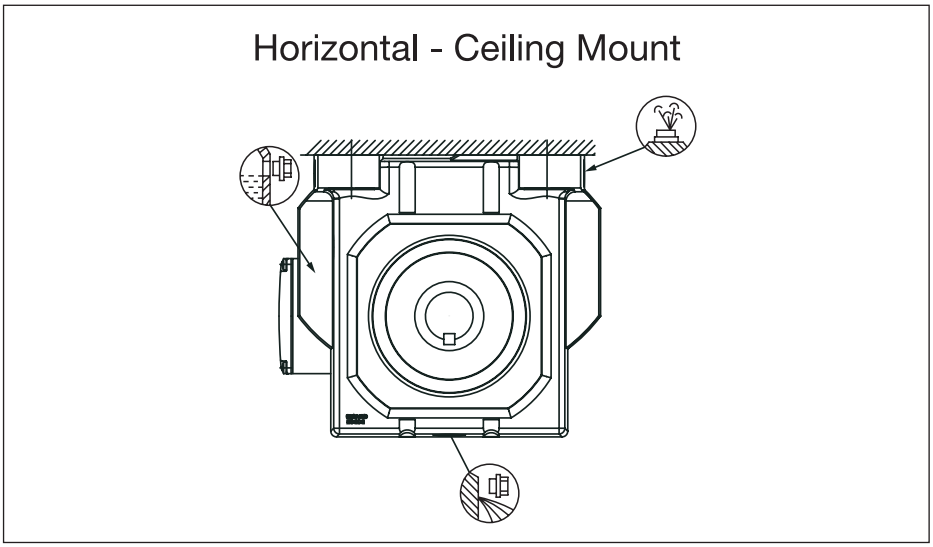
 Ventilation

 Oil drain

A3

Unit size	Reduction stage	Pints	Liters
38	1	0,8	0,4
	2	1,3	0,6
	3	1,3	0,6
48	1	1,5	0,7
	2	3,2	1,5
	3	3,2	1,5
68	1	3,1	1,5
	2	5,3	2,5
	3	5,5	2,6
88	1	5,3	2,5
	2	12,0	5,7
	3	12,5	5,9
108	2	18,2	8,6
	3	19,0	9,0
128	2	27,9	13,2
	3	29,8	14,1
148	2	50,5	23,9
	3	49,5	23,4
168	2	67,8	32,1
	3	71,4	33,8

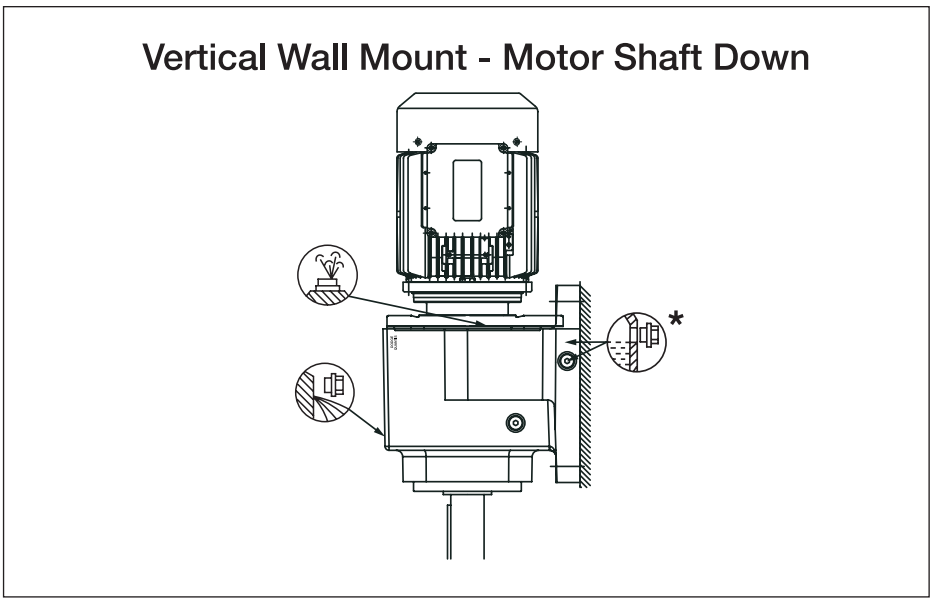
A3



A4

Unit size	Reduction stage	Pints	Liters
38	1	1,0	0,5
	2	1,5	0,7
	3	1,9	0,9
48	1	1,5	0,7
	2	3,8	1,8
	3	4,9	2,3
68	1	3,7	1,8
	2	6,8	3,2
	3	8,5	4,0
88	1	4,9	2,3
	2	15,9	7,5
	3	19,7	9,3
108	2	27,9	13,2
	3	33,0	15,6
128	2	42,1	19,9
	3	51,6	24,4
148	2	54,3	25,7
	3	68,1	32,2
168	2	96,6	45,7
	3	115,0	54,4

A4



ILH 38 units are sealed for life and are furnished with only one plug for filling and draining.

Quantis® reducers

ILH Mounting positions – In-Line Helical B5-flanged reducers

These mounting arrangements are for all output configurations and output shaft types. **Important! When ordering, please specify mounting position for correct oil quantity.** In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

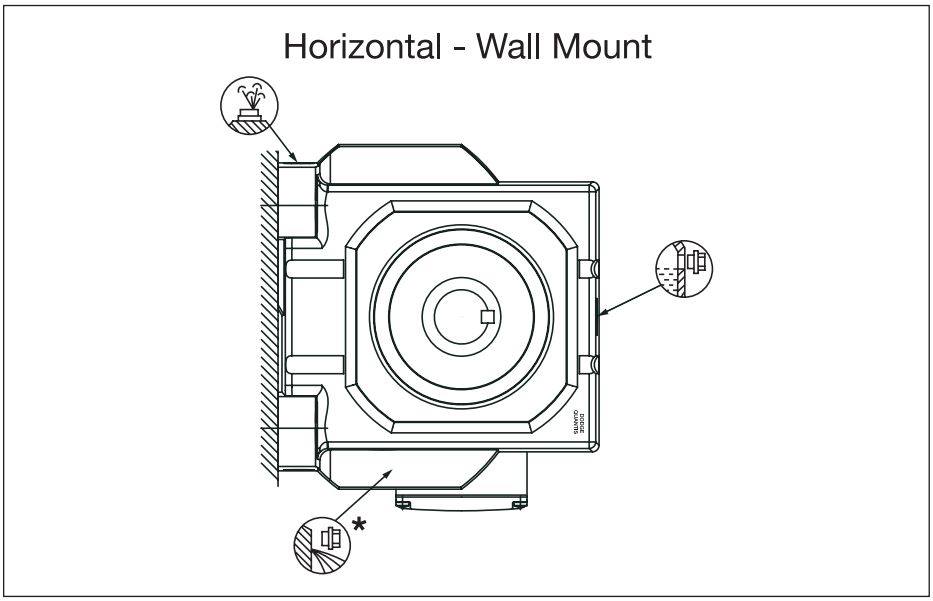
NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **Always** fill the reducer to the correct oil level plug and recheck in one week.

Oil level Ventilation Oil drain

A5

Unit size	Reduction stage	Pints	Liters
38	1	0,5	0,3
	2	1,3	0,6
	3	1,3	0,6
48	1	1,2	0,6
	2	3,4	1,6
	3	3,2	1,5
68	1	2,1	1,0
	2	5,7	2,7
	3	5,5	2,6
88	1	3,3	1,6
	2	12,9	6,1
	3	12,5	5,9
108	2	22,2	10,5
	3	21,8	10,3
128	2	33,8	16,0
	3	33,4	15,8
148	2	44,0	20,8
	3	43,1	20,4
168	2	73,5	34,8
	3	72,1	34,1

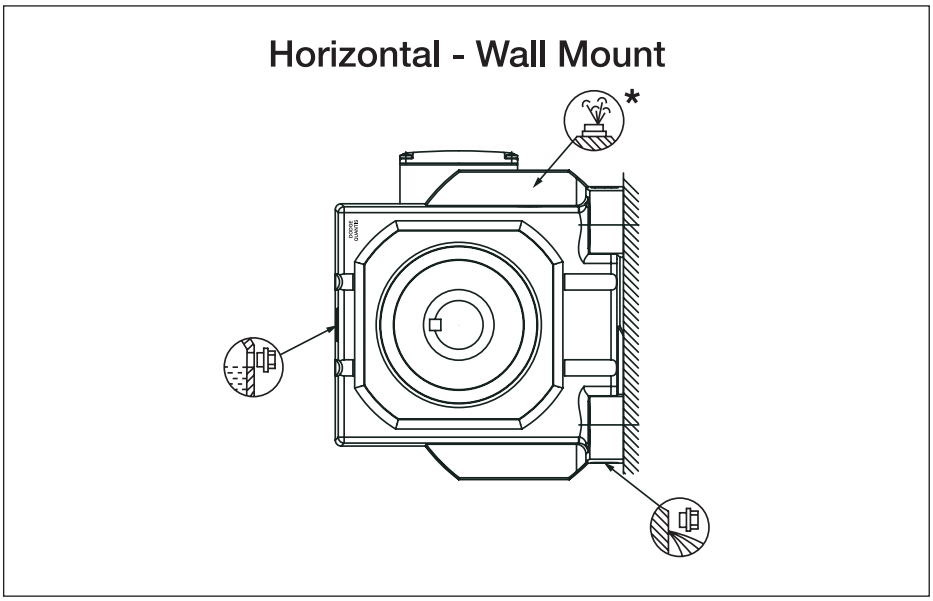
A5



A6

Unit size	Reduction stage	Pints	Liters
38	1	0,5	0,3
	2	1,3	0,6
	3	1,9	0,9
48	1	1,0	0,5
	2	2,7	1,3
	3	3,0	1,4
68	1	2,2	1,1
	2	4,9	2,3
	3	5,1	2,4
88	1	3,4	1,6
	2	11,2	5,3
	3	11,4	5,4
108	2	19,7	9,3
	3	20,1	9,5
128	2	29,8	14,1
	3	31,3	14,8
148	2	38,7	18,3
	3	40,4	19,1
168	2	63,6	30,1
	3	65,9	31,2

A6



ILH 38 units are sealed for life and are furnished with only one plug for filling and draining.

Quantis® reducers
ILH lubrication

ILH Reducers are furnished with oil level, drain and fill plugs. Before starting operations the fill plug must be replaced with the separately supplied breather plug.

Speed reducers are shipped with their lubricant quantity. Therefore, the mounting position must be given with the order.

H_38 gear units (2 & 3 stage) have one plug. Ventilation is not necessary.

The standard factory filled lubricant is mineral oil ISO 220. The lubricants listed below show alternatives. This is not an exclusive recommendation and equivalent lubricants of other manufacturers can be used.

Do not mix oils of different types or manufacturers under any circumstances.

Lubricant selection table

At ambient temperature °C	Marking according to DIN 51502	Examples of lubricants									
		ARAL	BP	DEA	ESSO	FUCHS	KLÜBER LUBRICATION	Mobil	Shell	Tribol	Optimol
0 ... +40	Oil CLP ISOVG220	Degol BG220	Energol GR-XP220	Falcon CLP220	SPARTAN EP220	Renolin CLP220	Klüberoil GEM 1 220	Mobilgear 630	OMALA OIL 220	TRIBOL 1100 ISO220	Optigear BM220
-15 ... +25	Oil CLP ISOVG100	Degol BG100	Energol GR-XP100	Falcon CLP100	SPARTAN EP100	Renolin CLP100	Klüberoil GEM 1 100	Mobilgear 627	OMALA OIL 100	TRIBOL 1100 ISO100	Optigear BM100
-35 ... +80	Oil PGLP ISOVG220	Degol GS220	Enersyn SG-XP 220	Polydea PGLP220	GLYCOLU BE 220	Renodiol PGP220	Klübersynth GH 6-220	Glygoyle 30	TIVELA OIL WB	TRIBOL 800/220	Optiflex A220

Refer to page 12 for additional lubrication information.

Quantis® reducers

Overhung Loads F_R – Standard Bearings
Inline Helical (ILH)

Permissible Overhung Loads F_R at Service Factor 1,0 for ILH B5 Flanged Reducers

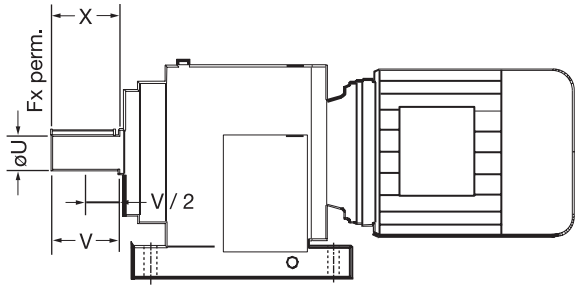
Permissible Overhung Loads (OHL) at Service Factor 1,0

1. Calculation based on bearing life

$$F_{x\ perm.1} = F_{R\ perm.} \frac{y}{z + x} \quad [N]$$

2. Calculation based on shaft strength

$$F_{x\ perm.2} = \frac{a}{b + x} \quad [kN]$$



$F_{R\ perm.}$ [N] for x = v/2 for output speed n_2 in min^{-1} *

Typ(e)	y [mm]	z [mm]	a [mm]	b [mm]	u [mm]	v [mm]	❁	n2 ≤ 16 [min-1]	n2 ≤ 25 [min-1]	n2 ≤ 40 [min-1]	n2 ≤ 63 [min-1]	n2 ≤ 100 [min-1]	n2 ≤ 160 [min-1]	n2 ≤ 250 [min-1]	n2 ≤ 400 [min-1]
H_38	**106**	**81**	**169**	**0**	**25**	**50**	ccw/li/g	7540	6370	5490	3920	2430	1850	1240	1112
							cw/re/dr	7230	6050	5190	4170	3160	2530	1810	1713
	111	81	210	16	30	60	ccw/li/g	7200	6040	4970	3390	2100	1600	1070	1023
							cw/re/dr	6900	5780	4960	3980	2730	2190	1560	1561
H_48	**135**	**105**	**265**	**0**	**30**	**60**	ccw/li/g	12500	10470	8860	6750	5080	4170	4090	2745
							cw/re/dr	12010	9990	8380	6820	5650	4870	4300	3465
	145	105	499	19	40	80	ccw/li/g	11640	9750	8010	5750	4330	3550	3490	2353
							cw/re/dr	11180	9300	7800	6350	5260	4400	4000	2954
H_68	**170**	**129,5**	**564**	**0**	**40**	**80**	ccw/li/g	17100	13750	12300	8630	5810	4280	4700	3394
							cw/re/dr	18620	15290	14120	10440	7630	5980	5820	4386
	180	129,5	943	23	50	100	ccw/li/g	15640	12580	11250	7890	5310	3910	4300	3011
							cw/re/dr	17030	13980	12910	9550	6980	5470	5320	3883
H_88	**209**	**159**	**1080**	**0**	**50**	**100**	ccw/li/g	35210	29550	25410	21230	15290	13140	10020	12010
							cw/re/dr	33850	28190	23780	19890	16010	13730	11590	11152
	219	159	1533	21	60	120	ccw/li/g	33600	28200	24250	20260	14790	12700	9690	11312
							cw/re/dr	32300	26900	22690	18980	15280	13100	11060	10640
H_108	**249**	**189**	**1960**	**0**	**60**	**120**	ccw/li/g	53220	46468	40495	35397	30687	25216	21106	17637
							cw/re/dr	40601	33889	27853	22854	19073	17957	16480	14732
	259	189	2030	29	70	140	ccw/li/g	51076	44747	38889	33045	29530	24268	23010	16965
							cw/re/dr	39049	32586	26790	21973	18352	17267	15822	14167
H_128	**305,5**	**235,5**	**2800**	**0**	**70**	**140**	ccw/li/g	71831	62855	54715	47945	41028	33760	28245	23623
							cw/re/dr	52415	43510	35473	28756	24815	23601	21733	19536
	320,5	235,5	4600	30	90	170	ccw/li/g	68486	59870	52202	45757	39102	32190	26959	22489
							cw/re/dr	49973	41464	33796	27395	23668	22480	20719	18619
H_148	**341**	**256**	**6600**	**0**	**90**	**170**	ccw/li/g	84165	73730	64180	56143	46558	38729	32613	27422
							cw/re/dr	63179	52611	43057	35193	32795	30033	27079	23939
	361	256	6100	33	100	210	ccw/li/g	79001	69673	60595	53056	44026	36509	30785	25910
							cw/re/dr	59679	49666	40695	33218	30989	28396	25580	22609
H_168	**420,5**	**315,5**	**8300**	**0**	**100**	**210**	ccw/li/g	243919	210088	179343	154123	139721	124878	111525	98207
							cw/re/dr	212726	179334	148559	124046	120790	113024	103803	93412
	420,5	315,5	10000	30	120	210	ccw/li/g	243919	210088	179343	154123	139721	124878	111525	98207
							cw/re/dr	212726	179334	148559	124046	120790	113024	103803	93412

* For $F_{R\ perm.}$ [N] for x ≠ v/2 see formulas on page 8

❁ Sense of rotation (with view on output shaft)
ccw = counter clockwise
cw = clockwise

bold = standard shaft

Quantis® reducers

Overhung Loads F_R – Heavy Duty bearings (HD)
Inline Helical (ILH)

Permissible Overhung Loads F_R at Service Factor 1,0 for ILH B5 Flanged Reducers

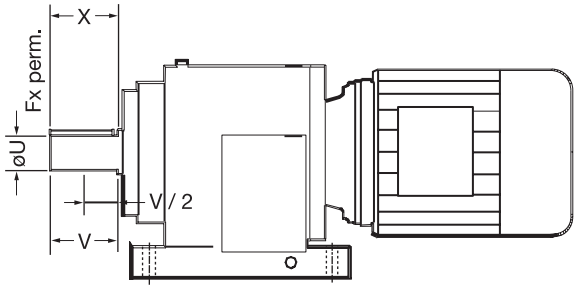
Permissible Overhung Loads (OHL) at Service Factor 1,0

1. Calculation based on bearing life

$$F_{x\ perm.1} = F_{R\ perm.} \frac{y}{z + x} \quad [N]$$

2. Calculation based on shaft strength

$$F_{x\ perm.2} = \frac{a}{b + x} \quad [kN]$$



$F_{R\ perm.}$ [N] for x = v/2 for output speed n_2 in min^{-1} *

Typ(e)	y [mm]	z [mm]	a [mm]	b [mm]	u [mm]	v [mm]	☸	n2 ≤ 16 [min-1]	n2 ≤ 25 [min-1]	n2 ≤ 40 [min-1]	n2 ≤ 63 [min-1]	n2 ≤ 100 [min-1]	n2 ≤ 160 [min-1]	n2 ≤ 250 [min-1]	n2 ≤ 400 [min-1]
H_38	**106**	**81**	**169**	**0**	**25**	**50**	ccw/li/g cw/re/dr								
	111	81	210	16	30	60	ccw/li/g cw/re/dr					Not Available			
H_48	**135**	**105**	**265**	**0**	**30**	**60**	ccw/li/g cw/re/dr								
	145	105	499	19	40	80	ccw/li/g cw/re/dr								
H_68	**170**	**129,5**	**564**	**0**	**40**	**80**	ccw/li/g	24590	23834	23055	22326	21605	21009	20542	19928
							cw/re/dr	24590	23834	23060	22335	21623	20827	19826	18273
	180	129,5	943	23	50	100	ccw/li/g	27254	26396	25524	24719	23896	23135	21258	18820
							cw/re/dr	27179	26329	25462	24656	22308	19670	19670	17246
H_88	**209**	**159**	**1080**	**0**	**50**	**100**	ccw/li/g	36080	34959	32352	25172	18798	21734	22637	21138
							cw/re/dr	36080	34959	33833	32757	32521	30888	30332	27317
	219	159	1533	21	60	120	ccw/li/g	40541	36693	29002	22584	16868	19488	20279	18963
							cw/re/dr	40519	39229	37894	36653	34394	32165	29643	26058
H_108	**249**	**189**	**1960**	**0**	**60**	**120**	ccw/li/g	63761	56412	44482	34398	25555	28042	30128	29914
							cw/re/dr	63761	63067	62235	54019	44945	41747	39905	35604
	259	189	2030	29	70	140	ccw/li/g	63441	51537	40634	31493	23384	25635	27575	27357
							cw/re/dr	65616	64926	61790	51937	43228	40145	37592	34251
H_128	**305,5**	**235,5**	**2800**	**0**	**70**	**140**	ccw/li/g	77773	76963	75998	74899	72946	72582	66265	59023
							cw/re/dr	77773	76963	75998	74899	60812	60856	58361	54050
	320,5	235,5	4600	30	90	170	ccw/li/g	126663	123429	105138	70535	55065	69753	63142	56257
							cw/re/dr	124448	104729	86660	79881	66207	57965	55594	51577
H_148	**341**	**256**	**6600**	**0**	**90**	**170**	ccw/li/g	152943	151471	137121	117397	103537	93244	83635	73961
							cw/re/dr	152943	139234	115903	96366	86820	82755	76870	69717
	361	256	6100	33	100	210	ccw/li/g	140083	138655	129501	110907	97803	88075	79018	69850
							cw/re/dr	139945	131498	109471	90904	82030	78204	72635	65829
H_168	**420,5**	**315,5**	**8300**	**0**	**100**	**210**	ccw/li/g cw/re/dr								
	420,5	315,5	10000	30	120	210	ccw/li/g cw/re/dr					Not Available			

* For $F_{R\ perm.}$ [N] for x ≠ v/2 see formulas on page 8

☸ Sense of rotation (with view on output shaft)
ccw = counter clockwise
cw = clockwise

bold = standard shaft

Quantis® reducers
ILH B5 flanged gearmotor selection

P_{Mot} = Rated Power of Motor
$n_{2\ (50\ Hz)}$ = Output speed at 1450 RPM (50Hz)
$n_{2\ (60\ Hz)}$ = Output speed at 1750 RPM (60Hz)
(i) = Ratio of gear
F_R = Overhung Load *
$T_{2\ (50\ Hz)}$ = Output torque
ST = Gear Stage
f_B = Service Factor

* For standard shaft diameters; for optional shaft diameters see page 22.

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**$n_{2\ (50\ Hz)}$ [min^{-1}]**	$n_{2\ (60\ Hz)}$ [min^{-1}]	(i) [-]	F_R [N]	$T_{2\ (50\ Hz)}$ [Nm] *	ST [-]	f_{B1} [-]	Unit designation
0,18 (50 Hz)	**304**	367	4,77	2304	5,7	2	6,94	H_382_I71D
0,22 (60 Hz)	**261**	315	5,55	2304	6,6	2	6,94	
	235	284	6,16	2304	7,3	2	6,94	
	216	261	6,71	2304	8,0	2	6,94	
	193	233	7,50	1241	8,9	2	6,94	
	193	233	7,52	1241	8,9	2	6,94	
	166	200	8,75	1241	10,4	2	6,94	
	149	180	9,70	1241	11,5	2	6,94	
	137	166	10,57	1241	12,5	2	6,94	
	123	148	11,82	1850	14,0	2	6,94	
	112	135	12,92	1850	15,3	2	6,94	
	102	123	14,18	1850	16,8	2	6,94	
	93	112	15,64	1850	18,5	2	6,78	
	84	101	17,33	1850	20,5	2	6,33	
	74	89	19,64	2429	23,3	2	5,72	
	67	81	21,67	2429	25,7	2	5,33	
	59	71	24,50	2429	29,0	2	4,83	
	52	63	27,97	3919	33,2	2	4,33	
	46	55	31,80	3919	37,7	2	3,89	
	43	51	34,04	3919	40,4	2	3,67	
	37	45	39,24	3919	46,5	2	3,28	
	33	40	44,12	4969	52,3	2	2,94	
	47	57	30,74	3919	36,4	3	5,89	H_383_I71D
	43	52	33,82	3919	40,1	3	5,50	
	37	45	39,28	3919	46,6	3	4,72	
	34	41	42,53	3919	50,4	3	4,39	
	30	36	48,10	4969	57,0	3	3,83	
	27	33	52,86	4969	62,7	3	3,50	
	25	30	58,30	4969	69,1	3	3,17	
	22	27	64,58	4969	76,6	3	2,89	
	20,2	24	71,91	4969	85,3	3	2,56	
	17,6	21	82,52	4969	97,8	3	2,22	
	15,9	19,2	91,34	4969	108,3	3	2,06	
	14	16,8	103,89	4969	123,2	3	1,78	
	12,2	14,8	118,55	4969	140,5	3	1,56	
	10,9	13,1	133,57	4969	158,3	3	1,39	
	9,7	11,7	149,26	4969	177,0	3	1,22	
	8,5	10,3	170,24	4969	201,8	3	1,11	
	214	258	6,79	4021	8,0	2	6,94	H_482_I71D
	133	160	10,93	4088	13,0	2	6,94	
	118	143	12,25	4168	14,5	2	6,94	
	108	131	13,38	4168	15,9	2	6,94	
	99	119	14,68	4168	17,4	2	6,94	
	90	108	16,17	4168	19,2	2	6,94	
	83	100	17,55	5080	20,8	2	6,94	
	76	91	19,13	5080	22,7	2	6,94	
	69	84	20,95	5080	24,8	2	6,72	
	63	76	23,07	5080	27,3	2	6,28	
	55	66	26,53	5080	31,5	2	5,61	
	50	61	28,74	6748	34,1	2	5,22	
	46	55	31,77	6748	37,7	2	4,83	
	39	47	37,06	6748	43,9	2	4,22	
	35	42	41,26	6748	48,9	2	3,83	
	32	39	45,38	8380	53,8	2	3,56	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	28	34	51,28	8380	60,8	2	3,17	
	41	49	35,59	6748	42,2	3	6,94	H_483_I71D
	35	42	41,38	6748	49,1	3	6,94	
	32	38	45,91	8380	54,4	3	6,94	
	29	35	50,00	8380	59,3	3	6,94	
	26	31	55,92	8380	66,3	3	6,78	
	24	29	61,14	8380	72,5	3	6,22	
	22	26	67,10	8380	79,5	3	5,67	
	19,6	24	73,99	8834	87,7	3	5,11	
	17,7	21	82,02	8834	97,2	3	4,61	
	15,6	18,8	92,91	8834	110,1	3	4,11	
	14,1	17,1	102,52	8834	121,5	3	3,72	
	12,5	15,1	115,91	8834	137,4	3	3,28	
	11	13,2	132,34	8834	156,9	3	2,89	
	9,6	11,6	150,48	8834	178,4	3	2,50	
	9	10,9	161,05	8834	190,9	3	2,33	
	7,8	9,4	185,66	8834	220,1	3	2,06	
	6,9	8,4	208,77	8834	247,5	3	1,83	
	24	29	59,91	12300	71,0	3	6,94	H_683_I71D
	22	26	67,14	12300	79,6	3	6,94	
	19,8	24	73,30	13750	86,9	3	6,94	
	18	22	80,46	13750	95,4	3	6,94	
	16,4	19,8	88,59	14100	105,0	3	6,94	
	15,1	18,2	96,16	13500	114,0	3	6,94	
	13,8	16,7	104,80	13500	124,2	3	6,44	
	12,6	15,2	114,78	14100	136,1	3	5,89	
	11,5	13,8	126,41	14100	149,9	3	5,33	
	10	12	145,38	14100	172,4	3	4,67	
	9,2	11,1	157,50	14100	186,7	3	4,28	
	8,3	10,1	174,08	14100	206,4	3	3,89	
	7,1	8,6	203,09	14100	240,8	3	3,33	
	6,4	7,7	226,07	14100	268,0	3	3,00	
	5,8	7	248,68	14100	294,8	3	2,72	
	5,2	6,2	281,01	14100	333,1	3	2,39	
	19,4	23	74,88	21600	88,8	3	6,94	H_883_I71D
	17,3	21	83,58	21600	99,1	3	6,94	
	16	19,3	90,53	21600	107,3	3	6,94	
	14,1	17,1	102,61	21600	121,6	3	6,94	
	13,1	15,8	110,54	21600	131,0	3	6,94	
	12,1	14,6	119,52	21600	141,7	3	6,83	
	11,2	13,5	129,79	21600	153,9	3	6,39	
	10,1	12,2	143,50	21600	170,1	3	5,89	
	9,3	11,3	155,46	21600	184,3	3	5,50	
	8,3	10	175,18	21600	207,7	3	5,00	
	7,6	9,1	191,80	21600	227,4	3	4,61	
	6,8	8,2	213,64	21600	253,3	3	4,22	
	5,9	7,2	244,29	21600	289,6	3	3,78	
	5,4	6,5	270,90	21600	321,2	3	3,44	
	4,8	5,8	300,41	21600	356,1	3	3,11	
0,25 (50 Hz)	**304**	367	4,77	2304	7,9	2	5,00	H_382_I71D
0,30 (60 Hz)	**261**	315	5,55	2304	9,1	2	5,00	
	235	284	6,16	2304	10,1	2	5,00	
	216	261	6,71	2304	11,0	2	5,00	
	193	233	7,50	1241	12,3	2	5,00	
	193	233	7,52	1241	12,4	2	5,00	
	166	200	8,75	1241	14,4	2	5,00	
	149	180	9,70	1241	16,0	2	5,00	
	137	166	10,57	1241	17,4	2	5,00	
	123	148	11,82	1850	19,5	2	5,00	
	112	135	12,92	1850	21,3	2	5,00	
	102	123	14,18	1850	23,3	2	5,00	
	93	112	15,64	1850	25,8	2	4,88	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	84	101	17,33	1850	28,5	2	4,56	
	74	89	19,64	2429	32,3	2	4,12	
	67	81	21,67	2429	35,7	2	3,84	
	59	71	24,50	2429	40,3	2	3,48	
	52	63	27,97	3919	46,1	2	3,12	
	46	55	31,80	3919	52,4	2	2,80	
	43	51	34,04	3919	56,0	2	2,64	
	37	45	39,24	3919	64,6	2	2,36	
	33	40	44,12	4969	72,6	2	2,12	
	47	57	30,74	3919	50,6	3	4,24	H_383_I71D
	43	52	33,82	3919	55,7	3	3,96	
	37	45	39,28	3919	64,7	3	3,40	
	34	41	42,53	3919	70,0	3	3,16	
	30	36	48,10	4969	79,2	3	2,76	
	27	33	52,86	4969	87,0	3	2,52	
	25	30	58,30	4969	96,0	3	2,28	
	22	27	64,58	4969	106,3	3	2,08	
	20,2	24	71,91	4969	118,4	3	1,84	
	17,6	21	82,52	4969	135,9	3	1,60	
	15,9	19,2	91,34	4969	150,4	3	1,48	
	14	16,8	103,89	4969	171,1	3	1,28	
	12,2	14,8	118,55	4969	195,2	3	1,12	
	10,9	13,1	133,57	4969	219,9	3	1,00	
	214	258	6,79	4021	11,2	2	5,00	H_482_I71D
	133	160	10,93	4088	18,0	2	5,00	
	118	143	12,25	4168	20,2	2	5,00	
	108	131	13,38	4168	22,0	2	5,00	
	99	119	14,68	4168	24,2	2	5,00	
	90	108	16,17	4168	26,6	2	5,00	
	83	100	17,55	5080	28,9	2	5,00	
	76	91	19,13	5080	31,5	2	5,00	
	69	84	20,95	5080	34,5	2	4,84	
	63	76	23,07	5080	38,0	2	4,52	
	55	66	26,53	5080	43,7	2	4,04	
	50	61	28,74	6748	47,3	2	3,76	
	46	55	31,77	6748	52,3	2	3,48	
	39	47	37,06	6748	61,0	2	3,04	
	35	42	41,26	6748	67,9	2	2,76	
	32	39	45,38	8380	74,7	2	2,56	
	28	34	51,28	8380	84,4	2	2,28	
	41	49	35,59	6748	58,6	3	5,00	H_483_I71D
	35	42	41,38	6748	68,1	3	5,00	
	32	38	45,91	8380	75,6	3	5,00	
	29	35	50,00	8380	82,3	3	5,00	
	26	31	55,92	8380	92,1	3	4,88	
	24	29	61,14	8380	100,7	3	4,48	
	22	26	67,10	8380	110,5	3	4,08	
	19,6	24	73,99	8834	121,8	3	3,68	
	17,7	21	82,02	8834	135,1	3	3,32	
	15,6	18,8	92,91	8834	153,0	3	2,96	
	14,1	17,1	102,52	8834	168,8	3	2,68	
	12,5	15,1	115,91	8834	190,9	3	2,36	
	11	13,2	132,34	8834	217,9	3	2,08	
	9,6	11,6	150,48	8834	247,8	3	1,80	
	9	10,9	161,05	8834	265,2	3	1,68	
	7,8	9,4	185,66	8834	305,7	3	1,48	
	6,9	8,4	208,77	8834	343,8	3	1,32	
	24	29	59,91	12300	98,6	3	5,00	H_683_I71D
	22	26	67,14	12300	110,5	3	5,00	
	19,8	24	73,30	13750	120,7	3	5,00	
	18	22	80,46	13750	132,5	3	5,00	
	16,4	19,8	88,59	14100	145,9	3	5,00	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	n_2 (50 Hz) [min^{-1}]	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	15,1	18,2	96,16	13500	158,3	3	5,00	
	13,8	16,7	104,80	13500	172,6	3	4,64	
	12,6	15,2	114,78	14100	189,0	3	4,24	
	11,5	13,8	126,41	14100	208,1	3	3,84	
	10	12	145,38	14100	239,4	3	3,36	
	9,2	11,1	157,50	14100	259,3	3	3,08	
	8,3	10,1	174,08	14100	286,6	3	2,80	
	7,1	8,6	203,09	14100	334,4	3	2,40	
	6,4	7,7	226,07	14100	372,2	3	2,16	
	5,8	7	248,68	14100	409,5	3	1,96	
	5,2	6,2	281,01	14100	462,7	3	1,72	
	19,4	23	74,88	21600	123,3	3	5,00	H_883_I71D4
	17,3	21	83,58	21600	137,6	3	5,00	
	16	19,3	90,53	21600	149,1	3	5,00	
	14,1	17,1	102,61	21600	169,0	3	5,00	
	13,1	15,8	110,54	21600	182,0	3	5,00	
	12,1	14,6	119,52	21600	196,8	3	4,92	
	11,2	13,5	129,79	21600	213,7	3	4,60	
	10,1	12,2	143,50	21600	236,3	3	4,24	
	9,3	11,3	155,46	21600	256,0	3	3,96	
	8,3	10	175,18	21600	288,4	3	3,60	
	7,6	9,1	191,80	21600	315,8	3	3,32	
	6,8	8,2	213,64	21600	351,8	3	3,04	
	5,9	7,2	244,29	21600	402,2	3	2,72	
	5,4	6,5	270,90	21600	446,1	3	2,48	
	4,8	5,8	300,41	21600	494,6	3	2,24	
0,37 (50 Hz)	**304**	367	4,77	2304	11,6	2	3,38	H_382_I71D
0,44 (60 Hz)	**261**	315	5,55	2304	13,5	2	3,38	
	235	284	6,16	2304	15,0	2	3,38	
	216	261	6,71	2304	16,4	2	3,38	
	193	233	7,50	1241	18,3	2	3,38	
	193	233	7,52	1241	18,3	2	3,38	
	166	200	8,75	1241	21,3	2	3,38	
	149	180	9,70	1241	23,6	2	3,38	
	137	166	10,57	1241	25,8	2	3,38	
	123	148	11,82	1850	28,8	2	3,38	
	112	135	12,92	1850	31,5	2	3,38	
	102	123	14,18	1850	34,6	2	3,38	
	93	112	15,64	1850	38,1	2	3,30	
	84	101	17,33	1850	42,2	2	3,08	
	74	89	19,64	2429	47,9	2	2,78	
	67	81	21,67	2429	52,8	2	2,59	
	59	71	24,50	2429	59,7	2	2,35	
	52	63	27,97	3919	68,2	2	2,11	
	46	55	31,80	3919	77,5	2	1,89	
	43	51	34,04	3919	83,0	2	1,78	
	37	45	39,24	3919	95,6	2	1,59	
	33	40	44,12	4969	107,5	2	1,43	
	47	57	30,74	3919	74,9	3	2,86	H_383_I71D
	43	52	33,82	3919	82,4	3	2,68	
	37	45	39,28	3919	95,7	3	2,30	
	34	41	42,53	3919	103,6	3	2,14	
	30	36	48,10	4969	117,2	3	1,86	
	27	33	52,86	4969	128,8	3	1,70	
	25	30	58,30	4969	142,1	3	1,54	
	22	27	64,58	4969	157,4	3	1,41	
	20,2	24	71,91	4969	175,2	3	1,24	
	17,6	21	82,52	4969	201,1	3	1,08	
	214	258	6,79	4021	16,5	2	3,38	H_482_I71D
	133	160	10,93	4088	26,6	2	3,38	
	118	143	12,25	4170	29,9	2	3,38	
	108	131	13,38	4170	32,6	2	3,38	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	99	119	14,68	4170	35,8	2	3,38	
	90	108	16,17	4170	39,4	2	3,38	
	83	100	17,55	5080	42,8	2	3,38	
	76	91	19,13	5080	46,6	2	3,38	
	69	84	20,95	5080	51,1	2	3,27	
	63	76	23,07	5080	56,2	2	3,05	
	55	66	26,53	5080	64,7	2	2,73	
	50	61	28,74	6750	70,0	2	2,54	
	46	55	31,77	6750	77,4	2	2,35	
	32	39	45,38	8380	110,6	2	1,73	
	28	34	51,28	8380	125,0	2	1,54	
	41	49	35,59	6750	86,7	3	3,38	H_483_I71D
	35	42	41,38	6750	100,8	3	3,38	
	32	38	45,91	8380	111,9	3	3,38	
	29	35	50,00	8380	121,8	3	3,38	
	26	31	55,92	8380	136,3	3	3,30	
	24	29	61,14	8380	149,0	3	3,03	
	22	26	67,10	8380	163,5	3	2,76	
	19,6	24	73,99	8380	180,3	3	2,49	
	17,7	21	82,02	8833	199,9	3	2,24	
	15,6	18,8	92,91	8833	226,4	3	2,00	
	14,1	17,1	102,52	8833	249,8	3	1,81	
	12,5	15,1	115,91	8833	282,5	3	1,59	
	11	13,2	132,34	8833	322,5	3	1,41	
	9,6	11,6	150,48	8833	366,7	3	1,22	
	9	10,9	161,05	8833	392,5	3	1,14	
	7,8	9,4	185,66	8833	452,4	3	1,00	
	24	29	59,91	12300	146,0	3	3,38	H_683_I71D
	22	26	67,14	12300	163,6	3	3,38	
	19,8	24	73,30	13750	178,6	3	3,38	
	18	22	80,46	13750	196,1	3	3,38	
	16,4	19,8	88,59	14100	215,9	3	3,38	
	15,1	18,2	96,16	13500	234,3	3	3,38	
	13,8	16,7	104,80	13500	255,4	3	3,14	
	12,6	15,2	114,78	14100	279,7	3	2,86	
	11,5	13,8	126,41	14100	308,0	3	2,59	
	10	12	145,38	14100	354,3	3	2,27	
	9,2	11,1	157,50	14100	383,8	3	2,08	
	8,3	10,1	174,08	14100	424,2	3	1,89	
	7,1	8,6	203,09	14100	494,9	3	1,62	
	6,4	7,7	226,07	14100	550,9	3	1,46	
	5,8	7	248,68	14100	606,0	3	1,32	
	5,2	6,2	281,01	14100	684,8	3	1,16	
	19,4	23	74,88	21600	182,5	3	3,38	H_883_I71D
	17,3	21	83,58	21600	203,7	3	3,38	
	16	19,3	90,53	21600	220,6	3	3,38	
	14,1	17,1	102,61	21600	250,0	3	3,38	
	13,1	15,8	110,54	21600	269,4	3	3,38	
	12,1	14,6	119,52	21600	291,3	3	3,32	
	11,2	13,5	129,79	21600	316,3	3	3,11	
	10,1	12,2	143,50	21600	349,7	3	2,86	
	9,3	11,3	155,46	21600	378,8	3	2,68	
	8,3	10	175,18	21600	426,9	3	2,43	
	7,6	9,1	191,80	21600	467,4	3	2,24	
	6,8	8,2	213,64	21600	520,6	3	2,05	
	5,9	7,2	244,29	21600	595,3	3	1,84	
	5,4	6,5	270,90	21600	660,2	3	1,68	
	4,8	5,8	300,41	21600	732,1	3	1,51	
0,55 (50 Hz) 0,66 (60 Hz)	**304**	367	4,77	2304	17,3	2	2,76	H_382_I80D
	261	315	5,55	2304	20,1	2	2,76	
	235	284	6,16	2304	22,3	2	2,76	
	216	261	6,71	2304	24,3	2	2,76	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	193	233	7,50	1240	27,2	2	2,76	
	193	233	7,52	1240	27,2	2	2,76	
	166	200	8,75	1240	31,7	2	2,76	
	149	180	9,70	1240	35,1	2	2,76	
	137	166	10,57	1240	38,3	2	2,76	
	123	148	11,82	1850	42,8	2	2,76	
	112	135	12,92	1850	46,8	2	2,76	
	102	123	14,18	1850	51,4	2	2,76	
	93	112	15,64	1850	56,7	2	2,76	
	84	101	17,33	1850	62,8	2	2,76	
	74	89	19,64	2430	71,1	2	2,76	
	67	81	21,67	2430	78,5	2	2,65	
	59	71	24,50	2430	88,7	2	2,47	
	52	63	27,97	3920	101,3	2	2,16	
	46	55	31,80	3920	115,2	2	1,91	
	43	51	34,04	3920	123,3	2	1,78	
	37	45	39,24	3920	142,1	2	1,55	
	47	57	30,74	3920	111,4	3	1,93	H_383_I80D
	43	52	33,82	3920	122,5	3	1,80	
	37	45	39,28	3920	142,3	3	1,55	
	34	41	42,53	3920	154,1	3	1,44	
	30	36	48,10	4649	174,2	3	1,25	
	27	33	52,86	4649	191,5	3	1,15	
	25	30	58,30	4649	211,2	3	1,04	
	214	258	6,79	4021	24,6	2	2,76	H_482_I80D
	133	160	10,93	4088	39,6	2	2,76	
	118	143	12,25	4170	44,4	2	2,76	
	108	131	13,38	4170	48,5	2	2,76	
	99	119	14,68	4170	53,2	2	2,76	
	90	108	16,17	4170	58,6	2	2,76	
	83	100	17,55	5080	63,6	2	2,76	
	76	91	19,13	5080	69,3	2	2,76	
	69	84	20,95	5080	75,9	2	2,76	
	63	76	23,07	5080	83,6	2	2,76	
	55	66	26,53	5080	96,1	2	2,76	
	50	61	28,74	6750	104,1	2	2,76	
	46	55	31,77	6750	115,1	2	2,69	
	39	47	37,06	6750	134,2	2	2,44	
	35	42	41,26	6750	149,5	2	2,27	
	32	39	45,38	8380	164,4	2	2,15	
	28	34	51,28	8380	185,8	2	2,11	
	41	49	35,59	6750	128,9	3	2,76	H_483_I80D
	35	42	41,38	6750	149,9	3	2,76	
	32	38	45,91	8380	166,3	3	2,71	
	29	35	50,00	8380	181,1	3	2,49	
	26	31	55,92	8380	202,6	3	2,22	
	24	29	61,14	8380	221,5	3	2,04	
	22	26	67,10	8380	243,1	3	1,85	
	19,6	24	73,99	8380	268,0	3	1,67	
	17,7	21	82,02	8833	297,1	3	1,51	
	15,6	18,8	92,91	8833	336,6	3	1,35	
	14,1	17,1	102,52	8833	371,4	3	1,22	
	12,5	15,1	115,91	8833	419,9	3	1,07	
	24	29	59,91	12300	217,0	3	2,76	H_683_I80D
	22	26	67,14	12300	243,2	3	2,76	
	19,8	24	73,30	13750	265,5	3	2,76	
	18	22	80,46	13750	291,5	3	2,75	
	16,4	19,8	88,59	14100	320,9	3	2,49	
	15,1	18,2	96,16	13500	348,3	3	2,29	
	13,8	16,7	104,80	13500	379,6	3	2,11	
	12,6	15,2	114,78	14100	415,8	3	1,93	
	11,5	13,8	126,41	14100	457,9	3	1,75	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	10	12	145,38	14100	526,6	3	1,53	
	9,2	11,1	157,50	14100	570,5	3	1,40	
	8,3	10,1	174,08	14100	630,6	3	1,27	
	7,1	8,6	203,09	14100	735,7	3	1,09	
	19,4	23	74,88	21600	271,2	3	2,76	H_883_I80D
	17,3	21	83,58	21600	302,8	3	2,76	
	16	19,3	90,53	21600	327,9	3	2,76	
	14,1	17,1	102,61	21600	371,7	3	2,76	
	13,1	15,8	110,54	21600	400,4	3	2,76	
	12,1	14,6	119,52	21600	433,0	3	2,76	
	11,2	13,5	129,79	21600	470,2	3	2,76	
	10,1	12,2	143,50	21600	519,8	3	2,76	
	9,3	11,3	155,46	21600	563,1	3	2,76	
	8,3	10	175,18	21600	634,6	3	2,65	
	7,6	9,1	191,80	21600	694,8	3	2,42	
	6,8	8,2	213,64	21600	773,9	3	2,16	
	5,9	7,2	244,29	21600	884,9	3	1,89	
	5,4	6,5	270,90	21600	981,3	3	1,71	
	4,8	5,8	300,41	21600	1088,2	3	1,55	
0,75 (50 Hz)	**304**	367	4,77	2304	23,6	2	2,03	H_382_I80D
0,90 (60 Hz)	**261**	315	5,55	2304	27,4	2	2,03	
	235	284	6,16	2304	30,4	2	2,03	
	216	261	6,71	2304	33,1	2	2,03	
	193	233	7,50	1240	37,0	2	2,03	
	193	233	7,52	1240	37,1	2	2,03	
	166	200	8,75	1240	43,2	2	2,03	
	149	180	9,70	1240	47,9	2	2,03	
	137	166	10,57	1240	52,2	2	2,03	
	123	148	11,82	1850	58,4	2	2,03	
	112	135	12,92	1850	63,8	2	2,03	
	102	123	14,18	1850	70,0	2	2,03	
	93	112	15,64	1850	77,3	2	2,03	
	84	101	17,33	1850	85,6	2	2,03	
	74	89	19,64	2430	97,0	2	2,03	
	67	81	21,67	2430	107,0	2	1,95	
	59	71	24,50	2430	121,0	2	1,81	
	52	63	27,97	3920	138,2	2	1,59	
	46	55	31,80	3920	157,1	2	1,40	
	43	51	34,04	3920	168,1	2	1,31	
	37	45	39,24	3920	193,8	2	1,13	
	47	57	30,74	3920	151,8	3	1,41	H_383_I80D
	43	52	33,82	3920	167,1	3	1,32	
	37	45	39,28	3920	194,0	3	1,13	
	34	41	42,53	3920	210,1	3	1,05	
	339	409	4,28	3985	21,1	2	2,03	H_482_I80D
	282	340	5,15	4021	25,4	2	2,03	
	239	289	6,06	4021	29,9	2	2,03	
	214	258	6,79	4021	33,5	2	2,03	
	210	254	6,90	4021	34,1	2	2,03	
	175	211	8,29	4088	40,9	2	2,03	
	149	179	9,76	4088	48,2	2	2,03	
	133	160	10,93	4088	54,0	2	2,03	
	118	143	12,25	4088	60,5	2	2,03	
	108	131	13,38	4170	66,1	2	2,03	
	99	119	14,68	4170	72,5	2	2,03	
	90	108	16,17	4180	79,9	2	2,03	
	83	100	17,55	5080	86,7	2	2,03	
	76	91	19,13	5080	94,5	2	2,03	
	69	84	20,95	5080	103,5	2	2,03	
	63	76	23,07	5080	114,0	2	2,03	
	55	66	26,53	5080	131,0	2	2,03	
	50	61	28,74	6750	142,0	2	2,03	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	46	55	31,77	6750	156,9	2	1,97	
	39	47	37,06	6750	183,1	2	1,79	
	35	42	41,26	6750	203,8	2	1,67	
	32	39	45,38	8380	224,2	2	1,57	
	28	34	51,28	8380	253,3	2	1,55	
	41	49	35,59	6750	175,8	3	2,03	H_483_I80D
	35	42	41,38	6750	204,4	3	2,03	
	32	38	45,91	8380	226,8	3	1,99	
	29	35	50,00	8380	247,0	3	1,83	
	26	31	55,92	8380	276,2	3	1,63	
	24	29	61,14	8380	302,0	3	1,49	
	22	26	67,10	8380	331,5	3	1,36	
	19,6	24	73,99	8380	365,5	3	1,23	
	32	39	45,41	12300	224,3	3	2,03	H_683_I80D
	27	33	53,47	12300	264,1	3	2,03	
	24	29	59,91	12300	295,9	3	2,03	
	22	26	67,14	12300	331,6	3	2,03	
	19,8	24	73,30	13750	362,1	3	2,03	
	18	22	80,46	13750	397,4	3	2,01	
	16,4	19,8	88,59	13750	437,6	3	1,83	
	15,1	18,2	96,16	13500	475,0	3	1,68	
	13,8	16,7	104,80	13500	517,7	3	1,55	
	12,6	15,2	114,78	14100	567,0	3	1,41	
	11,5	13,8	126,41	14100	624,4	3	1,28	
	10	12	145,38	14100	718,1	3	1,12	
	9,2	11,1	157,50	14100	778,0	3	1,03	
	29	35	49,42	21600	244,1	3	2,03	H_883_I80D
	25	30	57,93	21600	286,2	3	2,03	
	21	25	69,05	21600	341,1	3	2,03	
	19,4	23	74,88	21600	369,9	3	2,03	
	17,3	21	83,58	21600	412,9	3	2,03	
	16	19,3	90,53	21600	447,2	3	2,03	
	14,1	17,1	102,61	21600	506,9	3	2,03	
	13,1	15,8	110,54	21600	546,0	3	2,03	
	12,1	14,6	119,52	21600	590,4	3	2,03	
	11,2	13,5	129,79	21600	641,1	3	2,03	
	10,1	12,2	143,50	21600	708,8	3	2,03	
	9,3	11,3	155,46	21600	767,9	3	2,03	
	8,3	10	175,18	21600	865,3	3	1,95	
	7,6	9,1	191,80	21600	947,4	3	1,77	
	6,8	8,2	213,64	21600	1055,3	3	1,59	
	5,9	7,2	244,29	21600	1206,7	3	1,39	
	5,4	6,5	270,90	21600	1338,2	3	1,25	
	4,8	5,8	300,41	21600	1483,9	3	1,13	
	20,3	24	71,59	32667	353,6	3	2,03	H_1083_I80D
	17,7	21	82,14	32667	405,7	3	2,03	
	15	18,1	96,94	32667	478,9	3	2,03	
	13,8	16,7	105,08	32667	519,1	3	2,03	
	12,4	15	116,83	32667	577,1	3	2,03	
	11,4	13,8	126,90	32667	626,8	3	2,03	
	10,3	12,5	140,37	32667	693,4	3	2,03	
	9,6	11,6	150,70	32667	744,4	3	2,03	
	8,9	10,8	162,40	32667	802,2	3	2,03	
	8,2	10	175,78	32667	868,3	3	2,03	
	7,6	9,2	191,21	32667	944,5	3	2,03	
	6,9	8,4	209,21	32667	1033,4	3	2,03	
	6,2	7,4	235,19	32667	1161,8	3	2,03	
	5,6	6,8	256,86	32667	1268,8	3	2,03	
	5,1	6,1	284,73	32667	1406,5	3	1,95	
	4,5	5,4	325,21	32667	1606,4	3	1,79	
1,1 (50 Hz)	**304**	367	4,77	2304	34,6	2	2,81	H_382_I90D
1,3 (60 Hz)	**261**	315	5,55	2304	40,2	2	2,81	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	235	284	6,16	2304	44,6	2	2,81	
	216	261	6,71	2304	48,6	2	2,80	
	193	233	7,50	1241	54,3	2	2,67	
	193	233	7,52	1241	54,5	2	2,81	
	166	200	8,75	1241	63,4	2	2,81	
	149	180	9,70	1241	70,3	2	2,73	
	137	166	10,57	1241	76,6	2	2,58	
	123	148	11,82	1850	85,6	2	2,39	
	112	135	12,92	1850	93,6	2	2,25	
	102	123	14,18	1850	102,7	2	2,12	
	93	112	15,64	1850	113,3	2	1,95	
	84	101	17,33	1850	125,6	2	1,75	
	74	89	19,64	2429	142,3	2	1,55	
	59	71	24,50	2429	177,5	2	1,24	
	52	63	27,97	3919	202,6	2	1,08	
	339	409	4,28	3986	31,0	2	2,81	H_482_I90D
	282	340	5,15	4021	37,3	2	2,81	
	239	289	6,06	4021	43,9	2	2,81	
	214	258	6,79	4021	49,2	2	2,81	
	210	254	6,90	4021	50,0	2	2,81	
	175	211	8,29	4088	60,1	2	2,81	
	149	179	9,76	4088	70,7	2	2,81	
	133	160	10,93	4088	79,2	2	2,81	
	118	143	12,25	4168	88,7	2	2,81	
	108	131	13,38	4168	96,9	2	2,81	
	99	119	14,68	4168	106,4	2	2,81	
	90	108	16,17	4168	117,1	2	2,81	
	83	100	17,55	5080	127,1	2	2,73	
	76	91	19,13	5080	138,6	2	2,62	
	69	84	20,95	5080	151,8	2	2,50	
	63	76	23,07	5080	167,1	2	2,37	
	55	66	26,53	5080	192,2	2	2,20	
	50	61	28,74	6748	208,2	2	2,12	
	46	55	31,77	6748	230,2	2	1,95	
	39	47	37,06	6748	268,5	2	1,67	
	35	42	41,26	6748	298,9	2	1,51	
	32	39	45,38	8380	328,8	2	1,37	
	41	49	35,59	6748	257,8	3	1,75	H_483_I90D
	35	42	41,38	6748	299,8	3	1,50	
	32	38	45,91	8380	332,6	3	1,35	
	29	35	50,00	8380	362,2	3	1,25	
	26	31	55,92	8380	405,1	3	1,11	
	24	29	61,14	8380	442,9	3	1,02	
	287	346	5,06	6521	36,7	2	2,81	H_682_I90D
	245	295	5,93	6521	43,0	2	2,81	
	149	180	9,73	4700	70,5	2	2,81	
	127	154	11,40	4101	82,6	2	2,82	
	107	129	13,59	4280	98,5	2	2,81	
	98	119	14,74	4280	106,8	2	2,81	
	88	106	16,45	4280	119,2	2	2,81	
	81	98	17,82	5810	129,1	2	2,81	
	72	87	20,20	5810	146,3	2	2,78	
	67	80	21,76	5810	157,6	2	2,67	
	62	74	23,53	5810	170,5	2	2,56	
	57	68	25,55	5810	185,1	2	2,45	
	51	62	28,25	8630	204,7	2	2,32	
	47	57	30,60	8630	221,7	2	2,21	
	42	51	34,49	8630	249,9	2	2,07	
	38	46	37,76	8630	273,6	2	1,97	
	34	42	42,06	8630	304,7	2	1,85	
	30	36	48,09	12300	348,4	2	1,71	
	38	46	37,80	8630	273,9	3	2,81	H_683_I90D

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	n_2 (50 Hz) [min^{-1}]	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	32	39	45,41	12300	329,0	3	2,43	
	27	33	53,47	12300	387,4	3	2,07	
	24	29	59,91	12300	434,0	3	1,84	
	22	26	67,14	12300	486,4	3	1,65	
	19,8	24	73,30	13750	531,0	3	1,51	
	18	22	80,46	13750	582,9	3	1,37	
	16,4	19,8	88,59	13750	641,8	3	1,25	
	15,1	18,2	96,16	13500	696,7	3	1,15	
	13,8	16,7	104,80	13500	759,3	3	1,06	
	29	35	49,42	21600	358,0	3	2,81	H_883_I90D
	25	30	57,93	21600	419,7	3	2,81	
	21	25	69,05	21600	500,3	3	2,81	
	19,4	23	74,88	21600	542,5	3	2,81	
	17,3	21	83,58	21600	605,5	3	2,78	
	16	19,3	90,53	21600	655,9	3	2,56	
	14,1	17,1	102,61	21600	743,4	3	2,26	
	13,1	15,8	110,54	21600	800,8	3	2,10	
	12,1	14,6	119,52	21600	865,9	3	1,94	
	11,2	13,5	129,79	21600	940,3	3	1,79	
	10,1	12,2	143,50	21600	1039,6	3	1,62	
	9,3	11,3	155,46	21600	1126,3	3	1,49	
	8,3	10	175,18	21600	1269,1	3	1,33	
	7,6	9,1	191,80	21600	1389,6	3	1,21	
	6,8	8,2	213,64	21600	1547,8	3	1,08	
	20,3	24	71,59	32667	518,7	3	2,81	H_1083_I90D
	17,7	21	82,14	32667	595,1	3	2,81	
	15	18,1	96,94	32667	702,3	3	2,81	
	13,8	16,7	105,08	32667	761,3	3	2,81	
	12,4	15	116,83	32667	846,4	3	2,81	
	11,4	13,8	126,90	32667	919,4	3	2,81	
	10,3	12,5	140,37	32667	1017,0	3	2,81	
	9,6	11,6	150,70	32667	1091,8	3	2,81	
	8,9	10,8	162,40	32667	1176,6	3	2,64	
	8,2	10	175,78	32667	1273,5	3	2,43	
	7,6	9,2	191,21	32667	1385,3	3	2,24	
	6,9	8,4	209,21	32667	1515,7	3	2,05	
	6,2	7,4	235,19	32667	1703,9	3	1,82	
	5,6	6,8	256,86	32667	1860,9	3	1,67	
	5,1	6,1	284,73	32667	2062,8	3	1,51	
	4,5	5,4	325,21	32667	2356,1	3	1,33	
	4	4,9	359,30	32667	2603,1	3	1,19	
	18,6	22	78,06	40000	565,5	3	2,81	H_1283_I90D
	16,4	19,8	88,46	40000	640,9	3	2,81	
	14	16,9	103,80	40000	752,0	3	2,81	
	12,8	15,5	113,24	40000	820,4	3	2,81	
	11,7	14,2	123,53	40000	895,0	3	2,81	
	10,9	13,1	133,30	40000	965,7	3	2,81	
	9,7	11,7	148,99	40000	1079,4	3	2,81	
	9,1	11	159,60	40000	1156,3	3	2,81	
	8,4	10,2	171,62	40000	1243,4	3	2,70	
	7,8	9,4	185,36	40000	1342,9	3	2,59	
	7,2	8,7	201,22	40000	1457,8	3	2,47	
	6,6	8	219,72	40000	1591,8	3	2,35	
	5,9	7,1	245,93	40000	1781,7	3	2,20	
	5,4	6,5	268,16	40000	1942,8	3	2,10	
1,5 (50 Hz)	**304**	367	4,77	2304	47,1	2	2,06	H_382_I90D
1,8 (60 Hz)	**261**	315	5,55	2304	54,8	2	2,06	
	235	284	6,16	2304	60,9	2	2,06	
	216	261	6,71	2304	66,3	2	2,05	
	193	233	7,50	1241	74,1	2	1,96	
	193	233	7,52	1241	74,3	2	2,06	
	166	200	8,75	1241	86,4	2	2,06	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	149	180	9,70	1241	95,8	2	2,00	
	137	166	10,57	1241	104,4	2	1,89	
	123	148	11,82	1850	116,8	2	1,75	
	112	135	12,92	1850	127,6	2	1,65	
	102	123	14,18	1850	140,1	2	1,55	
	93	112	15,64	1850	154,5	2	1,43	
	84	101	17,33	1850	171,2	2	1,29	
	74	89	19,64	2429	194,0	2	1,13	
	67	81	21,67	2429	214,1	2	1,03	
	339	409	4,28	3986	42,3	2	2,06	H_482_I90D
	282	340	5,15	4021	50,9	2	2,06	
	239	289	6,06	4021	59,9	2	2,06	
	214	258	6,79	4021	67,1	2	2,06	
	210	254	6,90	4021	68,2	2	2,06	
	175	211	8,29	4088	81,9	2	2,06	
	149	179	9,76	4088	96,4	2	2,06	
	133	160	10,93	4088	108,0	2	2,06	
	118	143	12,25	4168	121,0	2	2,06	
	108	131	13,38	4168	132,2	2	2,06	
	99	119	14,68	4168	145,0	2	2,06	
	90	108	16,17	4168	159,7	2	2,06	
	83	100	17,55	5080	173,4	2	2,00	
	76	91	19,13	5080	189,0	2	1,92	
	69	84	20,95	5080	207,0	2	1,83	
	63	76	23,07	5080	227,9	2	1,74	
	55	66	26,53	5080	262,1	2	1,61	
	50	61	28,74	6748	283,9	2	1,55	
	46	55	31,77	6748	313,9	2	1,43	
	39	47	37,06	6748	366,1	2	1,23	
	35	42	41,26	6748	407,6	2	1,11	
	32	39	45,38	8380	448,3	2	1,01	
	41	49	35,59	6748	351,6	3	1,28	H_483_I90D
	35	42	41,38	6748	408,8	3	1,10	
	287	346	5,06	6521	50,0	2	2,06	H_682_I90D
	245	295	5,93	6521	58,6	2	2,06	
	149	180	9,73	4700	96,1	2	2,06	
	127	154	11,40	4101	112,6	2	2,06	
	107	129	13,59	4280	134,3	2	2,06	
	98	119	14,74	4280	145,6	2	2,06	
	88	106	16,45	4280	162,5	2	2,06	
	81	98	17,82	5810	176,0	2	2,06	
	72	87	20,20	5810	199,6	2	2,04	
	67	80	21,76	5810	215,0	2	1,96	
	62	74	23,53	5810	232,5	2	1,88	
	57	68	25,55	5810	252,4	2	1,80	
	51	62	28,25	8630	279,1	2	1,70	
	47	57	30,60	8630	302,3	2	1,62	
	42	51	34,49	8630	340,7	2	1,52	
	38	46	37,76	8630	373,0	2	1,45	
	34	42	42,06	8630	415,5	2	1,36	
	30	36	48,09	12300	475,1	2	1,25	
	38	46	37,80	8630	373,4	3	2,06	H_683_I90D
	32	39	45,41	12300	448,6	3	1,78	
	27	33	53,47	12300	528,2	3	1,52	
	24	29	59,91	12300	591,9	3	1,35	
	22	26	67,14	12300	663,3	3	1,21	
	19,8	24	73,30	13750	724,2	3	1,10	
	18	22	80,46	13750	794,9	3	1,01	
	29	35	49,42	21600	488,2	3	2,06	H_883_I90D
	25	30	57,93	21600	572,3	3	2,06	
	21	25	69,05	21600	682,2	3	2,06	
	19,4	23	74,88	21600	739,8	3	2,06	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	n_2 (50 Hz) [min^{-1}]	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	17,3	21	83,58	21600	825,7	3	2,04	
	16	19,3	90,53	21600	894,4	3	1,88	
	14,1	17,1	102,61	21600	1013,7	3	1,66	
	13,1	15,8	110,54	21600	1092,1	3	1,54	
	12,1	14,6	119,52	21600	1180,8	3	1,42	
	11,2	13,5	129,79	21600	1282,2	3	1,31	
	10,1	12,2	143,50	21600	1417,7	3	1,19	
	9,3	11,3	155,46	21600	1535,8	3	1,10	
	20,3	24	71,59	32667	707,3	3	2,06	H_1083_I90D
	17,7	21	82,14	32667	811,5	3	2,06	
	15	18,1	96,94	32667	957,7	3	2,06	
	13,8	16,7	105,08	32667	1038,1	3	2,06	
	12,4	15	116,83	32667	1154,2	3	2,06	
	11,4	13,8	126,90	32667	1253,7	3	2,06	
	10,3	12,5	140,37	32667	1386,8	3	2,06	
	9,6	11,6	150,70	32667	1488,8	3	2,06	
	8,9	10,8	162,40	32667	1604,4	3	1,93	
	8,2	10	175,78	32667	1736,6	3	1,78	
	7,6	9,2	191,21	32667	1889,0	3	1,64	
	6,9	8,4	209,21	32667	2066,9	3	1,50	
	6,2	7,4	235,19	32667	2323,5	3	1,33	
	5,6	6,8	256,86	32667	2537,6	3	1,22	
	5,1	6,1	284,73	32667	2812,9	3	1,10	
	18,6	22	78,06	40000	771,2	3	2,06	H_1283_I90D
	16,4	19,8	88,46	40000	873,9	3	2,06	
	14	16,9	103,80	40000	1025,5	3	2,06	
	12,8	15,5	113,24	40000	1118,7	3	2,06	
	11,7	14,2	123,53	40000	1220,4	3	2,06	
	10,9	13,1	133,30	40000	1316,9	3	2,06	
	9,7	11,7	148,99	40000	1471,9	3	2,06	
	9,1	11	159,60	40000	1576,7	3	2,06	
	8,4	10,2	171,62	40000	1695,5	3	1,98	
	7,8	9,4	185,36	40000	1831,2	3	1,90	
	7,2	8,7	201,22	40000	1987,9	3	1,81	
	6,6	8	219,72	40000	2170,7	3	1,72	
	5,9	7,1	245,93	40000	2429,6	3	1,62	
	5,4	6,5	268,16	40000	2649,2	3	1,54	
2,2 (50 Hz)	**304**	367	4,77	2304	69,1	2	2,02	H_382_I100D
2,6 (60 Hz)	**261**	315	5,55	1240	80,4	2	1,92	
	235	284	6,16	1240	89,3	2	1,79	
	216	261	6,71	1240	97,2	2	1,69	
	193	233	7,50	1240	108,7	2	1,56	
	193	233	7,52	1240	109,0	2	1,61	
	166	200	8,75	1240	126,8	2	1,46	
	149	180	9,70	1850	140,5	2	1,36	
	137	166	10,57	1850	153,2	2	1,29	
	123	148	11,82	1850	171,3	2	1,20	
	112	135	12,92	1850	187,2	2	1,13	
	102	123	14,18	1850	205,5	2	1,06	
	339	409	4,28	3985	62,0	2	2,91	H_482_I100D
	282	340	5,15	4021	74,6	2	2,89	
	239	289	6,06	4021	87,8	2	2,90	
	214	258	6,79	4021	98,4	2	2,76	
	210	254	6,90	4021	100,0	2	2,91	
	175	211	8,29	4088	120,1	2	2,75	
	149	179	9,76	4088	141,4	2	2,48	
	133	160	10,93	4088	158,4	2	2,29	
	118	143	12,25	4168	177,5	2	2,13	
	108	131	13,38	4168	193,9	2	2,00	
	99	119	14,68	4168	212,7	2	1,87	
	90	108	16,17	4168	234,3	2	1,76	
	83	100	17,55	5080	254,3	2	1,66	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	76	91	19,13	5080	277,2	2	1,57	
	69	84	20,95	5080	303,6	2	1,47	
	63	76	23,07	5080	334,3	2	1,35	
	55	66	26,53	5080	384,4	2	1,17	
	50	61	28,74	6750	416,4	2	1,08	
	415	501	3,49	6552	50,6	2	2,91	H_682_I100D
	344	415	4,22	6552	61,1	2	2,91	
	287	346	5,06	6521	73,3	2	2,91	
	245	295	5,93	6521	85,9	2	2,91	
	216	260	6,72	6521	97,4	2	2,91	
	179	216	8,11	4700	117,5	2	2,91	
	149	180	9,73	4700	141,0	2	2,91	
	127	154	11,40	4101	165,2	2	2,91	
	107	129	13,59	4280	196,9	2	2,91	
	98	119	14,74	4280	213,6	2	2,91	
	88	106	16,45	4280	238,4	2	2,80	
	81	98	17,82	5810	258,2	2	2,69	
	72	87	20,20	5810	292,7	2	2,52	
	67	80	21,76	5810	315,3	2	2,43	
	51	62	28,25	8630	409,3	2	1,96	
	47	57	30,60	8630	443,4	2	1,81	
	42	51	34,49	8630	499,7	2	1,60	
	38	46	37,76	8630	547,1	2	1,46	
	34	42	42,06	8630	609,4	2	1,31	
	38	46	37,80	8630	547,7	3	1,46	H_683_I100D
	32	39	45,41	12300	658,0	3	1,22	
	27	33	53,47	12300	774,8	3	1,03	
	244	295	5,94	11814	86,1	2	2,91	H_882_I100D
	208	251	6,96	11814	100,8	2	2,91	
	157	189	9,26	10017	134,2	2	2,91	
	134	161	10,85	10017	157,2	2	2,91	
	114	137	12,75	13140	184,7	2	2,91	
	99	120	14,63	13140	212,0	2	2,91	
	84	101	17,27	13140	250,2	2	2,91	
	77	93	18,72	15290	271,2	2	2,91	
	70	84	20,81	15290	301,5	2	2,91	
	64	77	22,61	15290	327,6	2	2,91	
	58	70	25,01	15290	362,4	2	2,85	
	54	65	26,85	15290	389,0	2	2,69	
	50	60	28,93	19890	419,2	2	2,53	
	46	56	31,32	19890	453,8	2	2,37	
	43	51	34,07	19890	493,7	2	2,21	
	39	47	37,27	19890	540,0	2	2,05	
	35	42	41,90	19890	607,1	2	1,85	
	32	38	45,76	21600	663,0	2	1,72	
	29	34	50,73	21600	735,1	2	1,57	
	42	51	34,14	19890	494,7	3	2,91	H_883_I100D
	35	42	41,19	19890	596,8	3	2,82	
	29	35	49,42	21600	716,1	3	2,35	
	25	30	57,93	21600	839,4	3	2,00	
	21	25	69,05	21600	1000,5	3	1,68	
	19,4	23	74,88	21600	1085,0	3	1,55	
	17,3	21	83,58	21600	1211,0	3	1,39	
	16	19,3	90,53	21600	1311,7	3	1,28	
	14,1	17,1	102,61	21600	1486,8	3	1,13	
	13,1	15,8	110,54	21600	1601,7	3	1,05	
	28	34	51,97	27853	753,0	3	2,91	H_1083_I100D
	24	29	60,90	27850	882,4	3	2,91	
	20,3	24	71,59	32667	1037,3	3	2,91	
	17,7	21	82,14	32667	1190,2	3	2,61	
	15	18,1	96,94	32667	1404,6	3	2,21	
	13,8	16,7	105,08	32667	1522,6	3	2,04	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	12,4	15	116,83	32667	1692,8	3	1,83	
	11,4	13,8	126,90	32667	1838,7	3	1,69	
	10,3	12,5	140,37	32667	2033,9	3	1,53	
	9,6	11,6	150,70	32667	2183,6	3	1,42	
	8,9	10,8	162,40	32667	2353,1	3	1,32	
	8,2	10	175,78	32667	2547,0	3	1,22	
	7,6	9,2	191,21	32667	2770,6	3	1,12	
	6,9	8,4	209,21	32667	3031,4	3	1,02	
	25	30	57,56	35473	834,0	3	2,91	H_1283_I100D
	22	26	66,43	40000	962,5	3	2,91	
	18,6	22	78,06	40000	1131,1	3	2,91	
	16,4	19,8	88,46	40000	1281,8	3	2,91	
	14	16,9	103,80	40000	1504,0	3	2,91	
	12,8	15,5	113,24	40000	1640,8	3	2,91	
	11,7	14,2	123,53	40000	1789,9	3	2,85	
	10,9	13,1	133,30	40000	1931,5	3	2,64	
	9,7	11,7	148,99	40000	2158,8	3	2,36	
	9,1	11	159,60	40000	2312,5	3	2,21	
	8,4	10,2	171,62	40000	2486,7	3	2,05	
	7,8	9,4	185,36	40000	2685,8	3	1,90	
	7,2	8,7	201,22	40000	2915,6	3	1,75	
	6,6	8	219,72	40000	3183,7	3	1,60	
	5,9	7,1	245,93	40000	3563,4	3	1,43	
	5,4	6,5	268,16	40000	3885,5	3	1,31	
	17,9	22	81,04	52611	1174,2	3	2,91	H_1483_I100D
	15,6	18,8	92,91	52611	1346,2	3	2,91	
	13	15,7	111,50	56604	1615,6	3	2,91	
	11,8	14,2	123,37	56604	1787,6	3	2,91	
	10	12,1	144,39	56604	2092,2	3	2,91	
	9,3	11,2	156,38	56604	2265,9	3	2,91	
	8,3	10	174,53	56604	2528,9	3	2,91	
	7,8	9,5	185,03	56604	2681,0	3	2,82	
	6,9	8,3	209,76	56604	3039,4	3	2,54	
	6,5	7,8	224,43	56604	3251,9	3	2,40	
	6,1	7,4	236,05	56604	3420,3	3	2,30	
	5,7	6,9	254,70	56604	3690,5	3	2,15	
	5,2	6,3	276,23	56604	4002,5	3	2,00	
	4,8	5,8	301,34	56604	4366,3	3	1,83	
	4,3	5,2	336,11	56604	4870,1	3	1,64	
3 (50 Hz)	**304**	367	4,77	2304	94,2	2	1,48	H_382_I100D
3,6 (60 Hz)	**261**	315	5,55	2304	109,7	2	1,40	
	235	284	6,16	2304	121,7	2	1,31	
	216	261	6,71	2304	132,6	2	1,24	
	193	233	7,50	1241	148,2	2	1,15	
	193	233	7,52	1241	148,6	2	1,18	
	166	200	8,75	1241	172,9	2	1,07	
	149	180	9,70	1241	191,7	2	1,00	
	339	409	4,28	3986	84,6	2	2,14	H_482_I100D
	282	340	5,15	4021	101,8	2	2,13	
	239	289	6,06	4021	119,7	2	2,13	
	214	258	6,79	4021	134,2	2	2,01	
	210	254	6,90	4021	136,3	2	2,13	
	175	211	8,29	4088	163,8	2	2,02	
	149	179	9,76	4088	192,8	2	1,81	
	133	160	10,93	4088	216,0	2	1,68	
	118	143	12,25	4168	242,0	2	1,56	
	108	131	13,38	4168	264,4	2	1,46	
	99	119	14,68	4168	290,1	2	1,38	
	90	108	16,17	4168	319,5	2	1,29	
	83	100	17,55	5080	346,8	2	1,22	
	76	91	19,13	5080	378,0	2	1,15	
	69	84	20,95	5080	413,9	2	1,08	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	n_2 (50 Hz) [min^{-1}]	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	415	501	3,49	6552	69,0	2	2,14	H_682_I100D
	344	415	4,22	6552	83,4	2	2,13	
	287	346	5,06	6521	100,0	2	2,13	
	245	295	5,93	6521	117,2	2	2,13	
	216	260	6,72	6521	132,8	2	2,13	
	179	216	8,11	4700	160,2	2	2,13	
	149	180	9,73	4700	192,3	2	2,13	
	127	154	11,40	4101	225,2	2	2,13	
	107	129	13,59	4280	268,5	2	2,13	
	98	119	14,74	4280	291,2	2	2,13	
	88	106	16,45	4280	325,0	2	2,05	
	81	98	17,82	5810	352,1	2	1,97	
	72	87	20,20	5810	399,1	2	1,85	
	67	80	21,76	5810	429,9	2	1,78	
	62	74	23,53	5810	464,9	2	1,71	
	57	68	25,55	5810	504,8	2	1,59	
	51	62	28,25	8630	558,2	2	1,43	
	47	57	30,60	8630	604,6	2	1,32	
	42	51	34,49	8630	681,5	2	1,17	
	38	46	37,76	8630	746,1	2	1,07	
	38	46	37,80	8630	746,9	3	1,07	H_683_I100D
	244	295	5,94	11814	117,4	2	2,13	H_882_I100D
	208	251	6,96	11814	137,5	2	2,13	
	157	189	9,26	10017	183,0	2	2,13	
	134	161	10,85	10017	214,4	2	2,13	
	114	137	12,75	13140	251,9	2	2,13	
	99	120	14,63	13140	289,1	2	2,13	
	84	101	17,27	13140	341,2	2	2,13	
	77	93	18,72	15290	369,9	2	2,13	
	70	84	20,81	15290	411,2	2	2,13	
	64	77	22,61	15290	446,7	2	2,13	
	58	70	25,01	15290	494,2	2	2,09	
	54	65	26,85	15290	530,5	2	1,97	
	50	60	28,93	19890	571,6	2	1,86	
	46	56	31,32	19890	618,8	2	1,74	
	43	51	34,07	19890	673,2	2	1,62	
	39	47	37,27	19890	736,4	2	1,50	
	35	42	41,90	19890	827,9	2	1,36	
	32	38	45,76	21600	904,2	2	1,26	
	29	34	50,73	21600	1002,4	2	1,15	
	42	51	34,14	19890	674,6	3	2,13	H_883_I100D
	35	42	41,19	19890	813,9	3	2,06	
	29	35	49,42	21600	976,5	3	1,72	
	25	30	57,93	21600	1144,6	3	1,47	
	21	25	69,05	21600	1364,3	3	1,23	
	19,4	23	74,88	21600	1479,5	3	1,14	
	17,3	21	83,58	21600	1651,4	3	1,02	
	28	34	51,97	27853	1026,9	3	2,13	H_1083_I100D
	24	29	60,90	27850	1203,3	3	2,13	
	20,3	24	71,59	32667	1414,5	3	2,13	
	17,7	21	82,14	32667	1623,0	3	1,91	
	15	18,1	96,94	32667	1915,4	3	1,62	
	13,8	16,7	105,08	32667	2076,2	3	1,49	
	12,4	15	116,83	32667	2308,4	3	1,34	
	11,4	13,8	126,90	32667	2507,4	3	1,24	
	10,3	12,5	140,37	32667	2773,5	3	1,12	
	9,6	11,6	150,70	32667	2977,6	3	1,04	
	25	30	57,56	35473	1137,3	3	2,13	H_1283_I100D
	22	26	66,43	40000	1312,6	3	2,13	
	18,6	22	78,06	40000	1542,4	3	2,13	
	16,4	19,8	88,46	40000	1747,8	3	2,13	
	14	16,9	103,80	40000	2050,9	3	2,13	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

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P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	12,8	15,5	113,24	40000	2237,5	3	2,13	
	11,7	14,2	123,53	40000	2440,8	3	2,09	
	10,9	13,1	133,30	40000	2633,8	3	1,94	
	9,7	11,7	148,99	40000	2943,8	3	1,73	
	9,1	11	159,60	40000	3153,5	3	1,62	
	8,4	10,2	171,62	40000	3391,0	3	1,50	
	7,8	9,4	185,36	40000	3662,5	3	1,39	
	7,2	8,7	201,22	40000	3975,8	3	1,28	
	6,6	8	219,72	40000	4341,4	3	1,17	
	5,9	7,1	245,93	40000	4859,2	3	1,05	
	17,9	22	81,04	52611	1601,2	3	2,13	H_1483_I100D
	15,6	18,8	92,91	52611	1835,8	3	2,13	
	13	15,7	111,50	56604	2203,1	3	2,13	
	11,8	14,2	123,37	56604	2437,6	3	2,13	
	10	12,1	144,39	56604	2852,9	3	2,13	
	9,3	11,2	156,38	56604	3089,9	3	2,13	
	8,3	10	174,53	56604	3448,5	3	2,13	
	7,8	9,5	185,03	56604	3655,9	3	2,07	
	6,9	8,3	209,76	56604	4144,6	3	1,86	
	6,5	7,8	224,43	56604	4434,4	3	1,76	
	6,1	7,4	236,05	56604	4664,0	3	1,69	
	5,7	6,9	254,70	56604	5032,5	3	1,58	
	5,2	6,3	276,23	56604	5457,9	3	1,47	
	4,8	5,8	301,34	56604	5954,1	3	1,34	
	4,3	5,2	336,11	56604	6641,1	3	1,21	
4 (50 Hz)	**339**	409	4,28	3986	112,8	2	2,14	H_482_I112D
4,8 (60 Hz)	**282**	340	5,15	4021	135,7	2	1,99	
	239	289	6,06	4021	159,6	2	1,69	
	214	258	6,79	4021	178,9	2	1,51	
	210	254	6,90	4021	181,8	2	1,71	
	175	211	8,29	4088	218,4	2	1,51	
	149	179	9,76	4088	257,1	2	1,36	
	133	160	10,93	4088	287,9	2	1,26	
	118	143	12,25	4168	322,7	2	1,17	
	108	131	13,38	4168	352,5	2	1,10	
	99	119	14,68	4168	386,7	2	1,03	
	415	501	3,49	6552	91,9	2	2,15	H_682_I112D
	344	415	4,22	6552	111,2	2	2,14	
	287	346	5,06	6521	133,3	2	2,14	
	245	295	5,93	6521	156,2	2	2,14	
	216	260	6,72	6521	177,0	2	2,14	
	179	216	8,11	4700	213,7	2	2,14	
	149	180	9,73	4700	256,3	2	2,14	
	127	154	11,40	4101	300,3	2	2,14	
	107	129	13,59	4280	358,0	2	2,12	
	98	119	14,74	4280	388,3	2	2,05	
	88	106	16,45	4280	433,4	2	1,85	
	81	98	17,82	5810	469,5	2	1,70	
	72	87	20,20	5810	532,2	2	1,50	
	67	80	21,76	5810	573,3	2	1,40	
	62	74	23,53	5810	619,9	2	1,29	
	57	68	25,55	5810	673,1	2	1,19	
	51	62	28,25	8630	744,2	2	1,08	
	298	359	4,87	11814	128,3	2	2,14	H_882_I112D
	244	295	5,94	11814	156,5	2	2,14	
	208	251	6,96	11814	183,4	2	2,14	
	191	231	7,59	10017	200,0	2	2,14	
	157	189	9,26	10017	244,0	2	2,14	
	134	161	10,85	10017	285,8	2	2,14	
	114	137	12,75	13140	335,9	2	2,14	
	99	120	14,63	13140	385,4	2	2,14	
	84	101	17,27	13140	455,0	2	2,14	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	77	93	18,72	15290	493,2	2	2,14	
	70	84	20,81	15290	548,2	2	2,14	
	64	77	22,61	15290	595,7	2	2,07	
	58	70	25,01	15290	658,9	2	1,97	
	54	65	26,85	15290	707,4	2	1,91	
	50	60	28,93	19890	762,2	2	1,85	
	46	56	31,32	19890	825,1	2	1,78	
	43	51	34,07	19890	897,6	2	1,69	
	39	47	37,27	19890	981,9	2	1,57	
	35	42	41,90	19890	1103,8	2	1,42	
	32	38	45,76	21600	1205,5	2	1,31	
	42	51	34,14	19890	899,4	3	1,87	H_883_I112D
	35	42	41,19	19890	1085,1	3	1,55	
	29	35	49,42	21600	1302,0	3	1,29	
	25	30	57,93	21600	1526,2	3	1,10	
	204	246	7,10	16480	187,0	2	2,14	H_1082_I112D
	136	164	10,67	16480	281,1	2	2,14	
	114	138	12,68	17957	334,1	2	2,14	
	99	120	14,63	17957	385,4	2	2,14	
	84	102	17,19	17957	452,9	2	2,14	
	74	90	19,48	19073	513,2	2	2,14	
	63	77	22,86	19073	602,2	2	2,14	
	58	70	24,94	19073	657,0	2	2,14	
	53	64	27,20	19073	716,6	2	2,14	
	44	53	32,81	22854	864,4	2	1,96	
	41	50	35,14	22854	925,8	2	1,90	
	38	46	37,79	27853	995,6	2	1,84	
	36	43	40,82	27853	1075,4	2	1,78	
	33	39	44,31	27853	1167,3	2	1,72	
	30	36	48,38	27853	1274,6	2	1,60	
	34	41	42,61	27853	1122,6	3	2,14	H_1083_I112D
	28	34	51,97	27853	1369,1	3	2,14	
	24	29	60,90	27850	1604,4	3	1,93	
	20,3	24	71,59	32667	1886,0	3	1,64	
	17,7	21	82,14	32667	2164,0	3	1,43	
	15	18,1	96,94	32667	2553,9	3	1,21	
	13,8	16,7	105,08	32667	2768,3	3	1,12	
	12,4	15	116,83	32667	3077,9	3	1,01	
	30	36	48,44	35473	1276,1	3	2,14	H_1283_I112D
	25	30	57,56	35473	1516,4	3	2,14	
	22	26	66,43	40000	1750,1	3	2,14	
	18,6	22	78,06	40000	2056,5	3	2,14	
	16,4	19,8	88,46	40000	2330,5	3	2,14	
	14	16,9	103,80	40000	2734,6	3	1,87	
	12,8	15,5	113,24	40000	2983,3	3	1,71	
	11,7	14,2	123,53	40000	3254,4	3	1,57	
	10,9	13,1	133,30	40000	3511,8	3	1,45	
	9,7	11,7	148,99	40000	3925,1	3	1,30	
	9,1	11	159,60	40000	4204,6	3	1,21	
	8,4	10,2	171,62	40000	4521,3	3	1,13	
	7,8	9,4	185,36	40000	4883,3	3	1,04	
	21	25	69,36	52611	1827,3	3	2,14	H_1483_I112D
	17,9	22	81,04	52611	2135,0	3	2,14	
	15,6	18,8	92,91	52611	2447,7	3	2,14	
	13,5	16,3	107,42	56604	2830,0	3	2,14	
	13	15,7	111,50	56604	2937,4	3	2,14	
	11,8	14,2	123,37	56604	3250,2	3	2,14	
	10	12,1	144,39	56604	3803,9	3	2,10	
	9,3	11,2	156,38	56604	4119,8	3	1,94	
	8,3	10	174,53	56604	4598,0	3	1,74	
	7,8	9,5	185,03	56604	4874,6	3	1,64	
	6,9	8,3	209,76	56604	5526,1	3	1,45	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	n_2 (50 Hz) [min^{-1}]	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	6,5	7,8	224,43	56604	5912,6	3	1,35	
	6,1	7,4	236,05	56604	6218,7	3	1,29	
	5,7	6,9	254,70	56604	6710,0	3	1,19	
	5,2	6,3	276,23	56604	7277,2	3	1,10	
	4,8	5,8	301,34	56604	7938,8	3	1,01	
5,5 (50 Hz)	**415**	501	3,49	6552	126,4	2	2,99	H_682_I132D
6,6 (60 Hz)	**344**	415	4,22	6552	152,9	2	2,81	
	287	346	5,06	6521	183,3	2	2,62	
	245	295	5,93	6521	214,8	2	2,28	
	216	260	6,72	6521	243,4	2	2,77	
	179	216	8,11	4700	293,8	2	2,53	
	149	180	9,73	4700	352,5	2	2,27	
	127	154	11,40	4101	413,0	2	1,94	
	107	129	13,59	4280	492,3	2	1,63	
	98	119	14,74	4280	533,9	2	1,50	
	88	106	16,45	4280	595,9	2	1,34	
	81	98	17,82	5810	645,5	2	1,24	
	72	87	20,20	5810	731,7	2	1,09	
	67	80	21,76	5810	788,2	2	1,02	
	298	359	4,87	11814	176,4	2	3,39	H_882_I132D
	244	295	5,94	11814	215,2	2	3,22	
	208	251	6,96	11814	252,1	2	3,05	
	191	231	7,59	10017	274,9	2	3,39	
	157	189	9,26	10017	335,4	2	3,22	
	134	161	10,85	10017	393,0	2	3,05	
	114	137	12,75	13140	461,9	2	2,87	
	99	120	14,63	13140	530,0	2	2,71	
	84	101	17,27	13140	625,6	2	2,51	
	77	93	18,72	15290	678,1	2	2,41	
	70	84	20,81	15290	753,8	2	2,23	
	64	77	22,61	15290	819,0	2	2,05	
	58	70	25,01	15290	906,0	2	1,85	
	54	65	26,85	15290	972,6	2	1,73	
	50	60	28,93	19890	1048,0	2	1,60	
	46	56	31,32	19890	1134,5	2	1,48	
	43	51	34,07	19890	1234,2	2	1,36	
	39	47	37,27	19890	1350,1	2	1,24	
	42	51	34,14	19890	1236,7	3	1,36	H_883_I132D
	35	42	41,19	19890	1492,1	3	1,13	
	263	318	5,51	14732	199,6	2	3,68	H_1082_I132D
	226	273	6,41	14733	232,2	2	3,68	
	204	246	7,10	16480	257,2	2	3,68	
	175	212	8,27	16480	299,6	2	3,68	
	151	182	9,62	16480	348,5	2	3,68	
	136	164	10,67	16480	386,5	2	3,68	
	114	138	12,68	17957	459,3	2	3,68	
	99	120	14,63	17957	530,0	2	3,68	
	84	102	17,19	17957	622,7	2	3,58	
	74	90	19,48	19073	705,6	2	3,43	
	63	77	22,86	19073	828,1	2	3,23	
	58	70	24,94	19073	903,4	2	3,13	
	53	64	27,20	19073	985,3	2	3,03	
	49	60	29,35	22854	1063,2	2	2,88	
	44	53	32,81	22854	1188,5	2	2,61	
	41	50	35,14	22854	1272,9	2	2,44	
	38	46	37,79	27853	1368,9	2	2,26	
	36	43	40,82	27853	1478,7	2	2,10	
	33	39	44,31	27853	1605,1	2	1,93	
	30	36	48,38	27853	1752,5	2	1,77	
	34	41	42,61	27853	1543,5	3	2,01	H_1083_I132D
	28	34	51,97	27853	1882,6	3	1,65	
	24	29	60,90	27850	2206,1	3	1,41	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	20,3	24	71,59	32667	2593,3	3	1,20	
	17,7	21	82,14	32667	2975,5	3	1,04	
	259	313	5,59	19536	202,5	2	3,60	H_1282_I132D
	159	192	9,13	21733	330,7	2	3,61	
	135	162	10,78	21733	390,5	2	3,48	
	121	145	12,03	23602	435,8	2	3,38	
	103	124	14,06	23602	509,3	2	3,22	
	90	109	16,12	23602	583,9	2	3,07	
	78	94	18,64	23602	675,2	2	2,89	
	75	90	19,35	24815	700,9	2	2,84	
	68	82	21,41	24815	775,6	2	2,71	
	58	70	25,05	24815	907,4	2	2,50	
	53	65	27,13	24815	982,8	2	2,40	
	48	58	30,28	28756	1096,9	2	2,27	
	45	55	32,11	28756	1163,2	2	2,21	
	40	48	36,39	28756	1318,2	2	2,08	
	37	45	38,94	28756	1410,6	2	2,04	
	35	43	40,96	28756	1483,7	2	2,02	
	39	47	37,57	28756	1360,9	3	3,65	H_1283_I132D
	33	40	43,71	28756	1583,4	3	3,22	
	30	36	48,44	35473	1754,7	3	2,91	
	25	30	57,56	35473	2085,1	3	2,45	
	22	26	66,43	40000	2406,4	3	2,12	
	18,6	22	78,06	40000	2827,7	3	1,80	
	16,4	19,8	88,46	40000	3204,4	3	1,59	
	14	16,9	103,80	40000	3760,1	3	1,36	
	12,8	15,5	113,24	40000	4102,0	3	1,24	
	11,7	14,2	123,53	40000	4474,8	3	1,14	
	10,9	13,1	133,30	40000	4828,7	3	1,06	
	28	33	52,61	43054	1905,8	3	3,68	H_1483_I132D
	23	28	62,12	52611	2250,2	3	3,56	
	21	25	69,36	52611	2512,5	3	3,19	
	17,9	22	81,04	52611	2935,6	3	2,73	
	15,6	18,8	92,91	52611	3365,6	3	2,38	
	13,5	16,3	107,42	56604	3891,2	3	2,06	
	13	15,7	111,50	56604	4039,0	3	1,98	
	11,8	14,2	123,37	56604	4469,0	3	1,79	
	10	12,1	144,39	56604	5230,4	3	1,53	
	9,3	11,2	156,38	56604	5664,7	3	1,41	
	8,3	10	174,53	56604	6322,2	3	1,27	
	7,8	9,5	185,03	56604	6702,6	3	1,19	
	6,9	8,3	209,76	56604	7598,4	3	1,05	
	23	28	63,08	79048	2285,0	3	3,67	H_1683_I132D
	20	24	72,36	79048	2621,2	3	3,56	
	18,2	22	79,75	79048	2888,9	3	3,48	
	15,4	18,6	94,30	79048	3415,9	3	3,31	
	13,5	16,3	107,48	79048	3893,4	3	3,15	
	11,7	14,2	123,59	79048	4476,9	3	2,98	
	10,3	12,4	141,28	79048	5117,7	3	2,74	
	8,9	10,7	163,72	79048	5930,6	3	2,36	
	8,1	9,8	178,38	79048	6461,7	3	2,17	
	7,3	8,8	198,71	79048	7198,1	3	1,95	
	6,9	8,3	210,49	79048	7624,8	3	1,84	
	6,1	7,4	236,72	79048	8575,0	3	1,63	
	5,7	6,9	253,08	79048	9167,6	3	1,53	
	5,4	6,5	268,29	79048	9718,6	3	1,44	
	5	6,1	289,23	79048	10477,1	3	1,34	
	4,6	5,6	313,41	79048	11353,0	3	1,23	
	4,2	5,1	341,61	79048	12374,5	3	1,13	
7,5 (50 Hz) 9 (60 Hz)	**415**	501	3,49	6552	172,4	2	2,20	H_682_I132D
	344	415	4,22	6552	208,5	2	2,06	
	287	346	5,06	6521	249,9	2	1,92	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	n_2 (50 Hz) [min^{-1}]	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	245	295	5,93	6521	292,9	2	1,67	
	216	260	6,72	6521	331,9	2	2,03	
	179	216	8,11	4700	400,6	2	1,85	
	149	180	9,73	4700	480,6	2	1,66	
	127	154	11,40	4101	563,1	2	1,42	
	107	129	13,59	4280	671,3	2	1,19	
	98	119	14,74	4280	728,1	2	1,10	
	298	359	4,87	11814	240,6	2	2,49	H_882_I132D
	244	295	5,94	11814	293,4	2	2,36	
	208	251	6,96	11814	343,8	2	2,24	
	191	231	7,59	10017	374,9	2	2,49	
	157	189	9,26	10017	457,4	2	2,36	
	134	161	10,85	10017	536,0	2	2,24	
	114	137	12,75	13140	629,8	2	2,11	
	99	120	14,63	13140	722,7	2	1,99	
	84	101	17,27	13140	853,1	2	1,84	
	77	93	18,72	15290	924,7	2	1,77	
	70	84	20,81	15290	1027,9	2	1,64	
	64	77	22,61	15290	1116,9	2	1,50	
	58	70	25,01	15290	1235,4	2	1,36	
	54	65	26,85	15290	1326,3	2	1,27	
	50	60	28,93	19890	1429,0	2	1,18	
	46	56	31,32	19890	1547,1	2	1,09	
	43	51	34,07	19890	1682,9	2	1,00	
	42	51	34,14	19890	1686,4	3	1,00	H_883_I132D
	263	318	5,51	14732	272,2	2	2,70	H_1082_I132D
	226	273	6,41	14733	316,6	2	2,70	
	204	246	7,10	16480	350,7	2	2,70	
	175	212	8,27	16480	408,5	2	2,70	
	151	182	9,62	16480	475,2	2	2,70	
	136	164	10,67	16480	527,1	2	2,70	
	114	138	12,68	17957	626,3	2	2,70	
	99	120	14,63	17957	722,7	2	2,70	
	84	102	17,19	17957	849,1	2	2,62	
	74	90	19,48	19073	962,2	2	2,52	
	63	77	22,86	19073	1129,2	2	2,37	
	58	70	24,94	19073	1232,0	2	2,29	
	53	64	27,20	19073	1343,6	2	2,22	
	49	60	29,35	22854	1449,8	2	2,11	
	44	53	32,81	22854	1620,7	2	2,66	
	41	50	35,14	22854	1735,8	2	1,79	
	38	46	37,79	27853	1866,7	2	1,66	
	36	43	40,82	27853	2016,4	2	1,54	
	33	39	44,31	27853	2188,8	2	1,42	
	30	36	48,38	27853	2389,8	2	1,30	
	34	41	42,61	27853	2104,8	3	1,47	H_1083_I132D
	28	34	51,97	27853	2567,1	3	1,21	
	24	29	60,90	27850	3008,3	3	1,03	
	259	313	5,59	19536	276,1	2	2,64	H_1282_I132D
	159	192	9,13	21733	451,0	2	2,64	
	135	162	10,78	21733	532,5	2	2,55	
	121	145	12,03	23602	594,2	2	2,48	
	103	124	14,06	23602	694,5	2	2,36	
	90	109	16,12	23602	796,3	2	2,25	
	78	94	18,64	23602	920,8	2	2,12	
	75	90	19,35	24815	955,8	2	2,08	
	68	82	21,41	24815	1057,6	2	1,98	
	58	70	25,05	24815	1237,4	2	1,83	
	53	65	27,13	24815	1340,1	2	1,76	
	48	58	30,28	28756	1495,7	2	1,66	
	45	55	32,11	28756	1586,1	2	1,62	
	40	48	36,39	28756	1797,5	2	1,53	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	37	45	38,94	28756	1923,5	2	1,49	
	35	43	40,96	28756	2023,3	2	1,48	
	39	47	37,57	28756	1855,8	3	2,68	H_1283_I132D
	33	40	43,71	28756	2159,1	3	2,36	
	30	36	48,44	35473	2392,8	3	2,13	
	25	30	57,56	35473	2843,3	3	1,80	
	22	26	66,43	40000	3281,4	3	1,56	
	18,6	22	78,06	40000	3855,9	3	1,32	
	16,4	19,8	88,46	40000	4369,6	3	1,17	
	28	33	52,61	43054	2598,8	3	2,70	H_1483_I132D
	23	28	62,12	52611	3068,5	3	2,61	
	21	25	69,36	52611	3426,1	3	2,34	
	17,9	22	81,04	52611	4003,1	3	2,00	
	15,6	18,8	92,91	52611	4589,4	3	1,74	
	13,5	16,3	107,42	56604	5306,2	3	1,51	
	13	15,7	111,50	56604	5507,7	3	1,45	
	11,8	14,2	123,37	56604	6094,1	3	1,31	
	10	12,1	144,39	56604	7132,4	3	1,12	
	9,3	11,2	156,38	56604	7724,6	3	1,04	
	23	28	63,08	79048	3115,9	3	2,69	H_1683_I132D
	20	24	72,36	79048	3574,3	3	2,61	
	18,2	22	79,75	79048	3939,4	3	2,55	
	15,4	18,6	94,30	79048	4658,1	3	2,43	
	13,5	16,3	107,48	79048	5309,1	3	2,31	
	11,7	14,2	123,59	79048	6104,9	3	2,18	
	10,3	12,4	141,28	79048	6978,7	3	2,01	
	8,9	10,7	163,72	79048	8087,2	3	1,73	
	8,1	9,8	178,38	79048	8811,4	3	1,59	
	7,3	8,8	198,71	79048	9815,6	3	1,43	
	6,9	8,3	210,49	79048	10397,5	3	1,35	
	6,1	7,4	236,72	79048	11693,2	3	1,20	
	5,7	6,9	253,08	79048	12501,3	3	1,12	
	5,4	6,5	268,29	79048	13252,6	3	1,06	
9,2 (50 Hz) 11 (60 Hz)	**415**	501	3,49	6552	211,5	2	1,79	H_682_I132D
	344	415	4,22	6552	255,7	2	1,68	
	287	346	5,06	6521	306,6	2	1,56	
	245	295	5,93	6521	359,3	2	1,36	
	216	260	6,72	6521	407,2	2	1,66	
	179	216	8,11	4700	491,4	2	1,51	
	149	180	9,73	4700	589,6	2	1,36	
	127	154	11,40	4101	690,8	2	1,16	
	298	359	4,87	11814	295,1	2	2,03	H_882_I132D
	244	295	5,94	11814	359,9	2	1,92	
	208	251	6,96	11814	421,7	2	1,82	
	191	231	7,59	10017	459,9	2	2,03	
	157	189	9,26	10017	561,1	2	1,92	
	134	161	10,85	10017	657,4	2	1,82	
	114	137	12,75	13140	772,6	2	1,72	
	99	120	14,63	13140	886,5	2	1,62	
	84	101	17,27	13140	1046,4	2	1,50	
	77	93	18,72	15290	1134,3	2	1,44	
	70	84	20,81	15290	1260,9	2	1,33	
	64	77	22,61	15290	1370,0	2	1,23	
	58	70	25,01	15290	1515,4	2	1,11	
	54	65	26,85	15290	1626,9	2	1,03	
	263	318	5,51	14732	333,9	2	2,20	H_1082_I132D
	226	273	6,41	14733	388,4	2	2,20	
	204	246	7,10	16480	430,2	2	2,20	
	175	212	8,27	16480	501,1	2	2,20	
	151	182	9,62	16480	582,9	2	2,20	
	136	164	10,67	16480	646,5	2	2,20	
	114	138	12,68	17957	768,3	2	2,20	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	99	120	14,63	17957	886,5	2	2,20	
	84	102	17,19	17957	1041,6	2	2,14	
	74	90	19,48	19073	1180,4	2	2,05	
	63	77	22,86	19073	1385,2	2	1,93	
	58	70	24,94	19073	1511,2	2	1,87	
	53	64	27,20	19073	1648,1	2	1,81	
	49	60	29,35	22854	1778,4	2	1,72	
	44	53	32,81	22854	1988,1	2	2,16	
	41	50	35,14	22854	2129,2	2	1,46	
	38	46	37,79	27853	2289,8	2	1,35	
	36	43	40,82	27853	2473,4	2	1,25	
	33	39	44,31	27853	2684,9	2	1,15	
	30	36	48,38	27853	2931,5	2	1,06	
	34	41	42,61	27853	2581,9	3	1,20	H_1083_I132D
	259	313	5,59	19536	338,7	2	2,16	H_1282_I132D
	159	192	9,13	21733	553,2	2	2,16	
	135	162	10,78	21733	653,2	2	2,08	
	121	145	12,03	23602	728,9	2	2,02	
	103	124	14,06	23602	851,9	2	1,93	
	90	109	16,12	23602	976,8	2	1,83	
	78	94	18,64	23602	1129,5	2	1,73	
	75	90	19,35	24815	1172,5	2	1,70	
	68	82	21,41	24815	1297,3	2	1,62	
	58	70	25,05	24815	1517,9	2	1,50	
	53	65	27,13	24815	1643,9	2	1,44	
	48	58	30,28	28756	1834,8	2	1,36	
	45	55	32,11	28756	1945,6	2	1,32	
	40	48	36,39	28756	2205,0	2	1,24	
	37	45	38,94	28756	2359,5	2	1,22	
	35	43	40,96	28756	2481,9	2	1,21	
	39	47	37,57	28756	2276,5	3	2,18	H_1283_I132D
	33	40	43,71	28756	2648,5	3	1,93	
	30	36	48,44	35473	2935,1	3	1,74	
	25	30	57,56	35473	3487,7	3	1,46	
	22	26	66,43	40000	4025,2	3	1,27	
	18,6	22	78,06	40000	4729,9	3	1,08	
	28	33	52,61	43054	3187,8	3	2,20	H_1483_I132D
	23	28	62,12	52611	3764,0	3	2,13	
	21	25	69,36	52611	4202,7	3	1,90	
	17,9	22	81,04	52611	4910,5	3	1,63	
	15,6	18,8	92,91	52611	5629,7	3	1,42	
	13,5	16,3	107,42	56604	6508,9	3	1,23	
	13	15,7	111,50	56604	6756,1	3	1,18	
	11,8	14,2	123,37	56604	7475,4	3	1,07	
	23	28	63,08	79048	3822,2	3	2,19	H_1683_I132D
	20	24	72,36	79048	4384,5	3	2,13	
	18,2	22	79,75	79048	4832,3	3	2,08	
	15,4	18,6	94,30	79048	5713,9	3	1,98	
	13,5	16,3	107,48	79048	6512,5	3	1,89	
	11,7	14,2	123,59	79048	7488,7	3	1,78	
	10,3	12,4	141,28	79048	8560,6	3	1,64	
	8,9	10,7	163,72	79048	9920,3	3	1,41	
	8,1	9,8	178,38	79048	10808,6	3	1,30	
	7,3	8,8	198,71	79048	12040,5	3	1,16	
	6,9	8,3	210,49	79048	12754,2	3	1,10	
11 (50 Hz)	**298**	359	4,87	11814	352,8	2	2,55	H_882_I160D
13 (60 Hz)	**244**	295	5,94	11814	430,3	2	2,55	
	208	251	6,96	11814	504,2	2	2,50	
	191	231	7,59	10017	549,9	2	2,42	
	157	189	9,26	10017	670,9	2	2,10	
	134	161	10,85	10017	786,1	2	1,88	
	114	137	12,75	13140	923,7	2	1,69	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	99	120	14,63	13140	1059,9	2	1,55	
	84	101	17,27	13140	1251,2	2	1,34	
	77	93	18,72	15290	1356,2	2	1,24	
	70	84	20,81	15290	1507,6	2	1,11	
	64	77	22,61	15290	1638,1	2	1,03	
	263	318	5,51	14732	399,2	2	2,55	H_1082_I160D
	226	273	6,41	14733	464,4	2	2,55	
	204	246	7,10	16480	514,4	2	2,56	
	175	212	8,27	16480	599,1	2	2,56	
	151	182	9,62	16480	697,0	2	2,56	
	136	164	10,67	16480	773,0	2	2,55	
	114	138	12,68	17957	918,6	2	2,55	
	99	120	14,63	17957	1059,9	2	2,45	
	84	102	17,19	17957	1245,4	2	2,27	
	74	90	19,48	19073	1411,3	2	2,14	
	63	77	22,86	19073	1656,2	2	1,87	
	58	70	24,94	19073	1806,9	2	1,72	
	53	64	27,20	19073	1970,6	2	1,57	
	49	60	29,35	22854	2126,4	2	1,46	
	44	53	32,81	22854	2377,0	2	1,30	
	41	50	35,14	22854	2545,8	2	1,22	
	34	41	42,61	27853	3087,0	3	1,00	H_1083_I160D
	399	482	3,63	18038	263,0	2	2,55	H_1282_I160D
	300	362	4,83	19536	349,9	2	2,55	
	259	313	5,59	19536	405,0	2	2,55	
	245	295	5,93	19536	429,6	2	2,55	
	184	222	7,88	21733	570,9	2	2,56	
	159	192	9,13	21733	661,5	2	2,55	
	135	162	10,78	21733	781,0	2	2,55	
	121	145	12,03	23602	871,6	2	2,56	
	103	124	14,06	23602	1018,6	2	2,56	
	90	109	16,12	23602	1167,9	2	2,56	
	78	94	18,64	23602	1350,4	2	2,55	
	75	90	19,35	24815	1401,9	2	2,55	
	68	82	21,41	24815	1551,1	2	2,44	
	58	70	25,05	24815	1814,8	2	2,16	
	53	65	27,13	24815	1965,5	2	2,03	
	48	58	30,28	28756	2193,7	2	1,86	
	45	55	32,11	28756	2326,3	2	1,77	
	40	48	36,39	35473	2636,4	2	1,60	
	37	45	38,94	35473	2821,1	2	1,51	
	39	47	37,57	28756	2721,9	3	1,82	H_1283_I160D
	33	40	43,71	28756	3166,7	3	1,61	
	30	36	48,44	35473	3509,4	3	1,45	
	25	30	57,56	35473	4170,1	3	1,22	
	22	26	66,43	40000	4812,7	3	1,06	
	295	356	4,92	23939	356,4	2	2,56	H_1482_I160D
	226	272	6,43	23939	465,8	2	2,55	
	192	231	7,57	27079	548,4	2	2,56	
	165	199	8,79	30033	636,8	2	2,55	
	126	152	11,48	30033	831,7	2	2,55	
	107	129	13,52	30033	979,5	2	2,56	
	93	113	15,51	30033	1123,7	2	2,55	
	85	102	17,09	30033	1238,1	2	2,56	
	72	87	20,21	32795	1464,2	2	2,56	
	63	76	23,04	32795	1669,2	2	2,55	
	55	66	26,49	32795	1919,2	2	2,55	
	48	58	30,28	35193	2193,7	2	2,53	
	41	50	35,09	35193	2542,2	2	2,28	
	38	46	38,23	35193	2769,7	2	2,13	
	34	41	42,59	35193	3085,6	2	1,95	
	32	39	45,11	43057	3268,1	2	1,86	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	42	51	34,15	35193	2474,1	3	2,56	H_1483_I160D
	32	39	45,44	43057	3292,0	3	2,43	
	28	33	52,61	43054	3811,5	3	2,10	
	23	28	62,12	52611	4500,5	3	1,78	
	21	25	69,36	52611	5025,0	3	1,59	
	17,9	22	81,04	52611	5871,2	3	1,36	
	15,6	18,8	92,91	52611	6731,2	3	1,19	
	13,5	16,3	107,42	56604	7782,4	3	1,03	
	35	43	40,99	79048	2969,7	3	2,56	H_1683_I160D
	27	33	53,56	79048	3880,3	3	2,56	
	23	28	63,08	79048	4570,0	3	2,55	
	20	24	72,36	79048	5242,4	3	2,55	
	18,2	22	79,75	79048	5777,8	3	2,42	
	15,4	18,6	94,30	79048	6831,9	3	2,05	
	13,5	16,3	107,48	79048	7786,7	3	1,80	
	11,7	14,2	123,59	79048	8953,9	3	1,56	
	10,3	12,4	141,28	79048	10235,5	3	1,37	
	8,9	10,7	163,72	79048	11861,2	3	1,18	
	8,1	9,8	178,38	79048	12923,3	3	1,08	
15 (50 Hz)	**298**	359	4,87	11814	481,1	2	1,87	H_882_I160D
18 (60 Hz)	**244**	295	5,94	11814	586,8	2	1,87	
	208	251	6,96	11814	687,6	2	1,83	
	191	231	7,59	10017	749,8	2	1,78	
	157	189	9,26	10017	914,8	2	1,54	
	134	161	10,85	10017	1071,9	2	1,38	
	114	137	12,75	13140	1259,6	2	1,24	
	99	120	14,63	13140	1445,3	2	1,14	
	263	318	5,51	14732	544,4	2	1,87	H_1082_I160D
	226	273	6,41	14733	633,3	2	1,87	
	204	246	7,10	16480	701,4	2	1,87	
	175	212	8,27	16480	817,0	2	1,87	
	151	182	9,62	16480	950,4	2	1,87	
	136	164	10,67	16480	1054,1	2	1,87	
	114	138	12,68	17957	1252,7	2	1,87	
	84	102	17,19	17957	1698,3	2	1,67	
	74	90	19,48	19073	1924,5	2	1,57	
	63	77	22,86	19073	2258,4	2	1,37	
	58	70	24,94	19073	2463,9	2	1,26	
	53	64	27,20	19073	2687,2	2	1,15	
	49	60	29,35	22854	2899,6	2	1,07	
	399	482	3,63	18038	358,6	2	1,87	H_1282_I160D
	300	362	4,83	19536	477,2	2	1,87	
	259	313	5,59	19536	552,3	2	1,87	
	245	295	5,93	19536	585,8	2	1,87	
	184	222	7,88	21733	778,5	2	1,87	
	159	192	9,13	21733	902,0	2	1,87	
	135	162	10,78	21733	1065,0	2	1,87	
	121	145	12,03	23602	1188,5	2	1,87	
	103	124	14,06	23602	1389,0	2	1,87	
	90	109	16,12	23602	1592,5	2	1,87	
	78	94	18,64	23602	1841,5	2	1,87	
	75	90	19,35	24815	1911,6	2	1,87	
	68	82	21,41	24815	2115,2	2	1,79	
	58	70	25,05	24815	2474,8	2	1,59	
	53	65	27,13	24815	2680,3	2	1,49	
	48	58	30,28	28756	2991,5	2	1,36	
	45	55	32,11	28756	3172,2	2	1,30	
	40	48	36,39	28756	3595,1	2	1,17	
	37	45	38,94	28756	3847,0	2	1,11	
	39	47	37,57	28756	3711,7	3	1,34	H_1283_I160D
	33	40	43,71	28756	4318,2	3	1,18	
	30	36	48,44	35473	4785,5	3	1,07	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	295	356	4,92	23939	486,1	2	1,87	H_1482_I160D
	226	272	6,43	23939	635,2	2	1,87	
	192	231	7,57	27079	747,9	2	1,87	
	165	199	8,79	30033	868,4	2	1,87	
	126	152	11,48	30033	1134,1	2	1,87	
	107	129	13,52	30033	1335,7	2	1,87	
	93	113	15,51	30033	1532,3	2	1,87	
	85	102	17,09	30033	1688,4	2	1,87	
	72	87	20,21	32795	1996,6	2	1,87	
	63	76	23,04	32795	2276,2	2	1,87	
	55	66	26,49	32795	2617,0	2	1,87	
	48	58	30,28	35193	2991,5	2	1,86	
	41	50	35,09	35193	3466,7	2	1,67	
	38	46	38,23	35193	3776,9	2	1,56	
	34	41	42,59	35193	4207,6	2	1,43	
	32	39	45,11	43057	4456,6	2	1,36	
	42	51	34,15	35193	3373,8	3	1,87	H_1483_I160D
	32	39	45,44	43057	4489,2	3	1,78	
	28	33	52,61	43054	5197,5	3	1,54	
	23	28	62,12	52611	6137,0	3	1,30	
	21	25	69,36	52611	6852,3	3	1,17	
	17,9	22	81,04	52611	8006,2	3	1,00	
	35	43	40,99	79048	4049,5	3	1,87	H_1683_I160D
	27	33	53,56	79048	5291,4	3	1,87	
	23	28	63,08	79048	6231,9	3	1,87	
	20	24	72,36	79048	7148,7	3	1,87	
	18,2	22	79,75	79048	7878,8	3	1,78	
	15,4	18,6	94,30	79048	9316,2	3	1,50	
	13,5	16,3	107,48	79048	10618,3	3	1,32	
	11,7	14,2	123,59	79048	12209,8	3	1,15	
	10,3	12,4	141,28	79048	13957,5	3	1,00	
18,5 (50 Hz) 22 (60 Hz)	**263**	318	5,51	14732	671,4	2	2,52	H_1082_I180D
	226	273	6,41	14733	781,0	2	2,25	
	204	246	7,10	16480	865,1	2	2,08	
	175	212	8,27	16480	1007,7	2	3,08	
	99	120	14,63	17957	1782,6	2	1,74	
	84	102	17,19	17957	2094,5	2	1,48	
	74	90	19,48	19073	2373,5	2	1,31	
	63	77	22,86	19073	2785,4	2	1,11	
	58	70	24,94	19073	3038,8	2	1,02	
	399	482	3,63	18038	442,3	2	3,09	H_1282_I180D
	300	362	4,83	19536	588,5	2	3,09	
	259	313	5,59	19536	681,1	2	3,09	
	245	295	5,93	19536	722,5	2	3,09	
	184	222	7,88	21733	960,1	2	3,10	
	159	192	9,13	21733	1112,4	2	3,09	
	135	162	10,78	21733	1313,5	2	3,09	
	121	145	12,03	23602	1465,8	2	3,09	
	103	124	14,06	23602	1713,1	2	2,84	
	90	109	16,12	23602	1964,1	2	2,54	
	78	94	18,64	23602	2271,2	2	2,25	
	75	90	19,35	24815	2357,7	2	2,16	
	68	82	21,41	24815	2608,7	2	1,96	
	58	70	25,05	24815	3052,2	2	1,67	
	53	65	27,13	24815	3305,7	2	1,54	
	48	58	30,28	28756	3689,5	2	1,38	
	45	55	32,11	28756	3912,4	2	1,30	
	39	47	37,57	28756	4577,7	3	1,08	H_1283_I180D
	295	356	4,92	23939	599,5	2	3,09	H_1482_I180D
	226	272	6,43	23939	783,5	2	3,09	
	192	231	7,57	27079	922,4	2	3,09	
	165	199	8,79	30033	1071,0	2	3,09	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	126	152	11,48	30033	1398,8	2	3,09	
	107	129	13,52	30033	1647,3	2	3,09	
	93	113	15,51	30033	1889,8	2	3,09	
	85	102	17,09	30033	2082,3	2	3,09	
	72	87	20,21	32795	2462,5	2	2,83	
	63	76	23,04	32795	2807,3	2	2,48	
	55	66	26,49	32795	3227,7	2	2,17	
	48	58	30,28	35193	3689,5	2	1,87	
	41	50	35,09	35193	4275,5	2	1,72	
	38	46	38,23	35193	4658,1	2	1,54	
	34	41	42,59	35193	5189,4	2	1,46	
	32	39	45,11	43057	5496,4	2	1,10	
	42	51	34,15	35193	4161,0	3	1,92	H_1483_I180D
	32	39	45,44	43057	5536,6	3	1,45	
	28	33	52,61	43054	6410,3	3	1,25	
	23	28	62,12	52611	7569,0	3	1,06	
	294	355	4,93	79048	600,7	2	3,09	H_1682_I180D
	234	282	6,20	79048	755,4	2	3,09	
	177	213	8,21	79048	1000,3	2	3,09	
	140	169	10,34	79048	1259,9	2	3,09	
	109	132	13,27	79048	1616,9	2	3,09	
	94	113	15,44	79048	1881,3	2	3,09	
	82	99	17,60	79048	2144,5	2	3,09	
	75	91	19,30	79048	2351,6	2	3,09	
	62	75	23,26	79048	2834,1	2	2,99	
	56	68	25,84	79048	3148,5	2	2,77	
	50	60	29,27	79048	3566,4	2	2,52	
	43	52	33,88	79048	4128,1	2	2,24	
	37	44	39,45	79048	4806,8	2	1,98	
	34	42	42,09	79048	5128,4	2	1,88	
	31	38	46,61	79048	5679,2	2	1,72	
	35	43	40,99	79048	4994,4	3	2,80	H_1683_I180D
	27	33	53,56	79048	6526,0	3	2,15	
	23	28	63,08	79048	7686,0	3	1,82	
	20	24	72,36	79048	8816,7	3	1,59	
	18,2	22	79,75	79048	9717,1	3	1,44	
	15,4	18,6	94,30	79048	11490,0	3	1,22	
	13,5	16,3	107,48	79048	13095,9	3	1,07	
22 (50 Hz) 26 (60 Hz)	**263**	318	5,51	14732	798,4	2	2,12	H_1082_I180D
	226	273	6,41	14733	928,8	2	1,90	
	204	246	7,10	16480	1028,8	2	1,75	
	175	212	8,27	16480	1198,3	2	2,59	
	151	182	9,62	16480	1393,9	2	2,23	
	136	164	10,67	16480	1546,0	2	2,01	
	114	138	12,68	17957	1837,3	2	1,69	
	99	120	14,63	17957	2119,8	2	1,46	
	84	102	17,19	17957	2490,8	2	1,25	
	74	90	19,48	19073	2822,6	2	1,10	
	399	482	3,63	18038	526,0	2	2,60	H_1282_I180D
	300	362	4,83	19536	699,9	2	2,60	
	259	313	5,59	19536	810,0	2	2,60	
	245	295	5,93	19536	859,2	2	2,60	
	184	222	7,88	21733	1141,8	2	2,60	
	159	192	9,13	21733	1322,9	2	2,60	
	135	162	10,78	21733	1562,0	2	2,60	
	121	145	12,03	23602	1743,1	2	2,60	
	103	124	14,06	23602	2037,2	2	2,39	
	90	109	16,12	23602	2335,7	2	2,14	
	78	94	18,64	23602	2700,9	2	1,89	
	75	90	19,35	24815	2803,7	2	1,82	
	68	82	21,41	24815	3102,2	2	1,64	
	58	70	25,05	24815	3629,7	2	1,41	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	53	65	27,13	24815	3931,0	2	1,30	
	48	58	30,28	28756	4387,5	2	1,16	
	45	55	32,11	28756	4652,6	2	1,10	
	295	356	4,92	23939	712,9	2	2,60	H_1482_I180D
	226	272	6,43	23939	931,7	2	2,60	
	192	231	7,57	27079	1096,9	2	2,60	
	165	199	8,79	30033	1273,6	2	2,60	
	126	152	11,48	30033	1663,4	2	2,60	
	107	129	13,52	30033	1959,0	2	2,60	
	93	113	15,51	30033	2247,3	2	2,60	
	85	102	17,09	30033	2476,3	2	2,60	
	72	87	20,21	32795	2928,4	2	2,60	
	63	76	23,04	32795	3338,4	2	2,38	
	55	66	26,49	32795	3838,3	2	2,09	
	48	58	30,28	35193	4387,5	2	1,82	
	41	50	35,09	35193	5084,4	2	1,57	
	38	46	38,23	35193	5539,4	2	1,44	
	34	41	42,59	35193	6171,1	2	1,30	
	32	39	45,11	43057	6536,3	2	1,22	
	42	51	34,15	35193	4948,2	3	1,62	H_1483_I180D
	32	39	45,44	43057	6584,1	3	1,22	
	28	33	52,61	43054	7623,0	3	1,05	
	294	355	4,93	79048	714,3	2	2,60	H_1682_I180D
	234	282	6,20	79048	898,4	2	2,60	
	177	213	8,21	79048	1189,6	2	2,60	
	140	169	10,34	79048	1498,2	2	2,60	
	109	132	13,27	79048	1922,8	2	2,60	
	94	113	15,44	79048	2237,2	2	2,60	
	82	99	17,60	79048	2550,2	2	2,60	
	75	91	19,30	79048	2796,5	2	2,60	
	62	75	23,26	79048	3370,3	2	2,52	
	56	68	25,84	79048	3744,1	2	2,33	
	50	60	29,27	79048	4241,1	2	2,12	
	43	52	33,88	79048	4909,1	2	1,89	
	37	44	39,45	79048	5716,2	2	1,67	
	34	42	42,09	79048	6098,7	2	1,58	
	31	38	46,61	79048	6753,6	2	1,45	
	35	43	40,99	79048	5939,3	3	2,36	H 1683_I180D
	27	33	53,56	79048	7760,7	3	1,80	
	23	28	63,08	79048	9140,1	3	1,53	
	20	24	72,36	14732	10484,7	3	1,34	
30 (50 Hz) 36 (60 Hz)	**263**	318	5,51	14733	1088,7	2	1,56	H 1082_I200D
	226	273	6,41	14733	1266,5	2	1,39	
	204	246	7,10	16480	1402,9	2	1,29	
	175	212	8,27	16480	1634,0	2	1,90	
	151	182	9,62	16480	1900,8	2	1,63	
	136	164	10,67	16480	2108,2	2	1,47	
	114	138	12,68	17957	2505,4	2	1,24	
	99	120	14,63	17957	2890,7	2	1,07	
	399	482	3,63	18038	717,2	2	1,91	H 1282_I200D
	300	362	4,83	19536	954,3	2	1,91	
	259	313	5,59	19536	1104,5	2	1,91	
	245	295	5,93	19536	1171,7	2	1,91	
	184	222	7,88	21733	1557,0	2	1,91	
	159	192	9,13	21733	1804,0	2	1,91	
	135	162	10,78	21733	2130,0	2	1,91	
	121	145	12,03	23602	2377,0	2	1,91	
	103	124	14,06	23602	2778,1	2	1,75	
	90	109	16,12	23602	3185,1	2	1,57	
	78	94	18,64	23602	3683,0	2	1,39	
	75	90	19,35	24815	3823,3	2	1,33	
	68	82	21,41	24815	4230,3	2	1,21	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	58	70	25,05	24815	4949,5	2	1,03	
	295	356	4,92	23939	972,1	2	1,91	H 1482_I200D
	226	272	6,43	23939	1270,5	2	1,91	
	192	231	7,57	27079	1495,7	2	1,91	
	165	199	8,79	30033	1736,8	2	1,91	
	126	152	11,48	30033	2268,3	2	1,91	
	107	129	13,52	30033	2671,4	2	1,91	
	93	113	15,51	30033	3064,6	2	1,91	
	85	102	17,09	30033	3376,7	2	1,91	
	72	87	20,21	32795	3993,2	2	1,91	
	63	76	23,04	32795	4552,4	2	1,74	
	55	66	26,49	32795	5234,1	2	1,53	
	48	58	30,28	35193	5982,9	2	1,34	
	41	50	35,09	35193	6933,3	2	1,15	
	38	46	38,23	35193	7553,7	2	1,06	
	42	51	34,15	35193	6747,6	3	1,19	H 1483_I200D
	294	355	4,93	79048	974,1	2	1,91	H 1682_I200D
	234	282	6,20	79048	1225,0	2	1,91	
	177	213	8,21	79048	1622,2	2	1,91	
	140	169	10,34	79048	2043,0	2	1,91	
	109	132	13,27	79048	2622,0	2	1,91	
	94	113	15,44	79048	3050,7	2	1,91	
	82	99	17,60	79048	3477,5	2	1,91	
	75	91	19,30	79048	3813,4	2	1,91	
	62	75	23,26	79048	4595,9	2	1,85	
	56	68	25,84	79048	5105,6	2	1,71	
	50	60	29,27	79048	5783,3	2	1,55	
	43	52	33,88	79048	6694,2	2	1,38	
	37	44	39,45	79048	7794,8	2	1,22	
	34	42	42,09	79048	8316,4	2	1,16	
	31	38	46,61	79048	9209,5	2	1,06	
	35	43	40,99	79048	8099,1	3	1,73	H 1683_I200D
	27	33	53,56	79048	10582,7	3	1,32	
	23	28	63,08	79048	12463,7	3	1,12	
37 (50 Hz) 44 (60 Hz)	**399**	482	3,63	18038	884,6	2	2,27	H_1282_I225D
	300	362	4,83	19536	1177,0	2	2,11	
	259	313	5,59	19536	1362,2	2	1,91	
	245	295	5,93	19536	1445,1	2	2,27	
	184	222	7,88	21733	1920,3	2	2,11	
	159	192	9,13	21733	2224,9	2	1,95	
	135	162	10,78	21733	2627,0	2	1,75	
	121	145	12,03	23602	2931,6	2	1,61	
	103	124	14,06	23602	3426,3	2	1,42	
	90	109	16,12	23602	3928,3	2	1,27	
	78	94	18,64	23602	4542,4	2	1,12	
	75	90	19,35	24815	4715,4	2	1,08	
	295	356	4,92	23939	1199,0	2	2,30	H 1482_I225D
	226	272	6,43	23939	1566,9	2	2,13	
	192	231	7,57	27079	1844,7	2	1,94	
	165	199	8,79	30033	2142,0	2	2,30	
	126	152	11,48	30033	2797,6	2	2,13	
	107	129	13,52	30033	3294,7	2	1,94	
	93	113	15,51	30033	3779,6	2	1,78	
	85	102	17,09	30033	4164,7	2	1,67	
	72	87	20,21	32795	4925,0	2	1,49	
	63	76	23,04	32795	5614,6	2	1,36	
	55	66	26,49	32795	6455,3	2	1,22	
	48	58	30,28	35193	7378,9	2	1,08	
	294	355	4,93	79048	1201,4	2	2,29	H 1682_I225D
	234	282	6,20	79048	1510,9	2	2,24	
	177	213	8,21	79048	2000,7	2	2,29	
	140	169	10,34	79048	2519,8	2	2,24	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers
ILH B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**n_2 (50 Hz) [min^{-1}]**	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	T_2 (50 Hz) [Nm] *	ST [-]	f_{B1} [-]	Unit designation
	109	132	13,27	79048	3233,8	2	2,09	
	94	113	15,44	79048	3762,6	2	1,91	
	82	99	17,60	79048	4288,9	2	1,75	
	75	91	19,30	79048	4703,2	2	1,64	
	62	75	23,26	79048	5668,2	2	1,44	
	56	68	25,84	79048	6296,9	2	1,33	
	50	60	29,27	79048	7132,8	2	1,21	
	43	52	33,88	79048	8256,2	2	1,08	
	35	43	40,99	79048	9988,8	3	1,40	H 1683_I225D
	27	33	53,56	79048	13052,0	3	1,07	
45 (50 Hz 54 (60 Hz)	**399**	482	3,63	18038	1075,9	2	1,87	H 1282_I225D
	300	362	4,83	19536	1431,5	2	1,74	
	259	313	5,59	19536	1656,8	2	1,57	
	245	295	5,93	19536	1757,5	2	1,87	
	184	222	7,88	21733	2335,5	2	1,74	
	159	192	9,13	21733	2705,9	2	1,60	
	135	162	10,78	21733	3195,0	2	1,44	
	121	145	12,03	23602	3565,4	2	1,32	
	103	124	14,06	23602	4167,1	2	1,17	
	90	109	16,12	23602	4777,6	2	1,05	
	295	356	4,92	23939	1458,2	2	1,89	H 1482_I225D
	226	272	6,43	23939	1905,7	2	1,75	
	192	231	7,57	27079	2243,6	2	1,60	
	165	199	8,79	30033	2605,2	2	1,89	
	126	152	11,48	30033	3402,4	2	1,75	
	107	129	13,52	30033	4007,0	2	1,59	
	93	113	15,51	30033	4596,8	2	1,46	
	85	102	17,09	30033	5065,1	2	1,37	
	72	87	20,21	32795	5989,8	2	1,23	
	63	76	23,04	32795	6828,6	2	1,12	
	55	66	26,49	32795	7851,1	2	1,01	
	294	355	4,93	79048	1461,2	2	1,88	H 1682_I225D
	234	282	6,20	79048	1837,6	2	1,85	
	177	213	8,21	79048	2433,3	2	1,88	
	140	169	10,34	79048	3064,6	2	1,84	
	109	132	13,27	79048	3933,0	2	1,72	
	94	113	15,44	79048	4576,1	2	1,57	
	82	99	17,60	79048	5216,3	2	1,44	
	75	91	19,30	79048	5720,1	2	1,35	
	62	75	23,26	79048	6893,8	2	1,18	
	56	68	25,84	79048	7658,4	2	1,09	
	35	43	40,99	79048	12148,6	3	1,15	H 1683_I225D
55 (50 Hz) 66 (60 Hz)	**295**	356	4,92	23939	1782,2	2	1,63	H 1482_I250D
	226	272	6,43	23939	2329,2	2	1,41	
	192	231	7,57	27079	2742,2	2	1,28	
	165	199	8,79	30033	3184,1	2	1,63	
	126	152	11,48	30033	4158,5	2	1,41	
	107	129	13,52	30033	4897,5	2	1,28	
	93	113	15,51	30033	5618,4	2	1,18	
	85	102	17,09	30033	6190,7	2	1,11	
	294	355	4,93	79048	1785,9	2	1,78	H 1682_I250D
	234	282	6,20	79048	2245,9	2	1,63	
	177	213	8,21	79048	2974,0	2	1,78	
	140	169	10,34	79048	3745,6	2	1,63	
	109	132	13,27	79048	4806,9	2	1,42	
	94	113	15,44	79048	5593,0	2	1,29	
	82	99	17,60	79048	6375,4	2	1,18	
	75	91	19,30	79048	6991,3	2	1,11	

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged reducer selection

H_38-IEC

Clamp Collar – 3 Pc Coupled – Free Input

P_{Mot} = Rated power of gear reducer (max) *
$n_{2\,(50\,Hz)}$ = Output speed at 1450 RPM (50Hz)
$n_{2\,(60\,Hz)}$ = Output speed at 1750 RPM (60Hz)
(i) = Ratio of gear

F_R = Overhung load *
$T_{2\,(50\,Hz)}$ = Output torque
ST = Gear stage
f_B = Service factor

* For standard shaft diameters; for optional shaft diameters see page 22.

Output rating					IEC motor adapter (all ratings are 50 Hz)							
					71		80		90		100	
n_2 (50 Hz) [min^{-1}]	n_2 (60 Hz) [min^{-1}]	(i) [-]	F_R [N]	ST [-]	P_{Mot} [kW]	T_2 [Nm]	P_{Mot} [kW]	T_2 [Nm]	P_{Mot} [kW]	T_2 [Nm]	P_{Mot} [kW]	T_2 [Nm]
304	367	4,77	2304	2	1,25	39	1,52	48	3,09	97	4,45	140
261	315	5,55	2304	2	1,25	46	1,52	56	3,09	113	4,20	154
235	284	6,16	2304	2	1,25	51	1,52	62	3,09	125	3,93	159
216	261	6,71	2304	2	1,25	55	1,52	67	3,08	136	3,71	164
193	233	7,50	1241	2	1,25	62	1,52	75	2,94	145	3,45	170
193	233	7,52	1241	2	1,25	62	1,52	75	3,09	153	3,55	176
166	200	8,75	1241	2	1,25	72	1,52	87	3,09	178	3,21	185
149	180	9,70	1241	2	1,25	80	1,52	97	3,00	192	3,00	192
137	166	10,57	1241	2	1,25	87	1,52	106	2,84	197	2,84	197
123	148	11,82	1850	2	1,25	97	1,52	118	2,63	205	2,63	205
112	135	12,92	1850	2	1,25	106	1,52	129	2,48	211	2,48	211
102	123	14,18	1850	2	1,25	116	1,52	142	2,33	217	2,33	217
93	112	15,64	1850	2	1,22	126	1,52	156	2,14	220	2,14	220
84	101	17,33	1850	2	1,14	130	1,52	173	1,93	220	1,93	220
74	89	19,64	2429	2	1,03	134	1,52	196	1,70	220	–	–
67	81	21,67	2429	2	0,96	137	1,46	209	1,54	220	–	–
59	71	24,50	2429	2	0,87	140	1,36	220	1,36	220	–	–
52	63	27,97	3919	2	0,78	144	1,19	220	1,19	220	–	–
46	55	31,80	3919	2	0,70	147	1,05	220	1,05	220	–	–
43	51	34,04	3919	2	0,66	148	0,98	220	0,98	220	–	–
37	45	39,24	3919	2	0,59	151	0,85	220	–	–	–	–
33	40	44,12	4969	2	0,53	154	–	–	–	–	–	–
47	57	30,74	3919	3	1,06	215	1,06	215	–	–	–	–
43	52	33,82	3919	3	0,99	220	0,99	220	–	–	–	–
37	45	39,28	3919	3	0,85	220	0,85	220	–	–	–	–
34	41	42,53	3919	3	0,79	220	0,79	220	–	–	–	–
30	36	48,10	4969	3	0,69	220	0,69	220	–	–	–	–
27	33	52,86	4969	3	0,63	220	0,63	220	–	–	–	–
25	30	58,30	4969	3	0,57	220	0,57	220	–	–	–	–
22	27	64,58	4969	3	0,52	220	0,52	220	–	–	–	–
20	24	71,91	4969	3	0,46	220	0,46	220	–	–	–	–
17,6	21	82,52	4969	3	0,40	220	0,66	220	–	–	–	–
15,9	19,2	91,34	4969	3	0,37	220	0,59	220	–	–	–	–
14	16,8	103,89	4969	3	0,32	220	0,52	220	–	–	–	–
12,2	14,8	118,55	4969	3	0,28	220	0,46	220	–	–	–	–
10,9	13,1	133,57	4969	3	0,25	220	0,40	220	–	–	–	–
9,7	11,7	149,26	4969	3	0,22	220	0,36	220	–	–	–	–
8,5	10,3	170,24	4969	3	0,20	220	0,32	220	–	–	–	–
7,6	9,1	191,75	4969	3	0,17	220	–	–	–	–	–	–

f_s = 1,0

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged reducer selection

H_48-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter									
					71		80		90		100		112	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
339	409	4,28	3986	2	–	–	1,52	43	3,09	87	6,40	181	8,57	242
282	340	5,15	4021	2	–	–	1,52	51	3,09	105	6,39	217	7,96	270
239	289	6,06	4021	2	–	–	1,52	61	3,09	123	6,40	255	6,76	270
214	258	6,79	4021	2	1,25	68	1,52	68	3,09	138	6,04	270	6,04	270
210	254	6,90	4021	2	–	–	1,52	69	3,09	140	6,40	291	6,83	310
175	211	8,29	4088	2	–	–	1,52	83	3,09	169	6,05	330	6,05	330
149	179	9,76	4088	2	–	–	1,52	98	3,09	199	5,43	349	5,43	349
133	160	10,93	4088	2	1,25	90	1,52	109	3,09	223	5,04	362	5,04	362
118	143	12,25	4168	2	1,25	101	1,52	123	3,09	249	4,66	376	4,66	376
108	131	13,38	4168	2	1,25	110	1,52	134	3,09	299	4,39	387	4,39	387
99	119	14,68	4168	2	1,25	121	1,52	147	3,09	329	4,13	399	4,13	399
90	108	16,17	4168	2	1,25	133	1,52	162	3,09	347	3,87	412	3,87	412
83	100	17,55	5080	2	1,25	144	1,52	175	3,00	362	3,65	434	3,65	422
76	91	19,13	5080	2	1,25	157	1,52	191	2,88	379	3,45	447	3,45	434
69	84	20,95	5080	2	1,21	167	1,52	209	2,75	397	3,24	450	3,24	447
63	76	23,07	5080	2	1,13	171	1,52	231	2,61	424	2,96	450	–	–
55	66	26,53	5080	2	1,01	176	1,52	265	2,42	441	2,58	450	–	–
50	61	28,74	6748	2	0,94	179	1,52	287	2,33	450	2,38	450	–	–
46	55	31,77	6748	2	0,87	182	1,48	310	2,15	450	2,15	450	–	–
39	47	37,06	6748	2	0,76	186	1,34	328	1,84	450	–	–	–	–
35	42	41,26	6748	2	0,69	189	1,25	340	1,66	450	–	–	–	–
32	39	45,38	8380	2	0,64	191	1,18	352	1,51	450	–	–	–	–
28	34	51,28	8380	2	0,57	194	1,16	390	–	–	–	–	–	–
41	49	35,59	6748	3	1,25	292	1,52	356	1,92	450	–	–	–	–
35	42	41,38	6748	3	1,25	340	1,52	414	1,65	450	1,92	450	–	–
32	38	45,91	8380	3	1,25	377	1,49	450	1,49	450	1,65	450	–	–
29	35	50,00	8380	3	1,25	411	1,37	450	1,37	450	2,41	450	–	–
26	31	55,92	8380	3	1,22	450	1,22	450	1,22	450	–	–	–	–
24	29	61,14	8380	3	1,12	450	1,12	450	1,12	450	–	–	–	–
22	26	67,10	8380	3	1,02	450	1,02	450	1,02	450	–	–	–	–
20	24	73,99	8834	3	0,92	450	0,92	450	0,92	450	–	–	–	–
17,7	21	82,02	8834	3	0,83	450	0,83	450	0,83	450	–	–	–	–
15,6	18,8	92,91	8834	3	0,74	450	0,74	450	0,74	450	–	–	–	–
14,1	17,1	102,52	8834	3	0,67	450	0,67	450	0,67	450	–	–	–	–
12,5	15,1	115,91	8834	3	0,59	450	0,59	450	0,59	450	–	–	–	–
11	13,2	132,34	8834	3	0,52	450	0,52	450	0,52	450	–	–	–	–
9,6	11,6	150,48	8834	3	0,45	450	0,45	450	–	–	–	–	–	–
9	10,9	161,05	8834	3	0,42	450	–	–	–	–	–	–	–	–
7,8	9,4	185,66	8834	3	0,37	450	–	–	–	–	–	–	–	–
6,9	8,4	208,77	8834	3	0,33	450	–	–	–	–	–	–	–	–

f_s = 1,0

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged reducer selection

H_68-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter											
					71		80		90		100		112		132	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
415	501	3,49	6552	2	–	–	–	–	–	–	6,41	147	8,58	197	16,46	378
344	415	4,22	6552	2	–	–	–	–	–	–	6,39	178	8,56	238	15,42	429
287	346	5,06	6521	2	–	–	1,52	51	3,09	103	6,40	213	8,57	285	14,38	479
245	295	5,93	6521	2	–	–	1,52	59	3,09	121	6,40	250	8,57	335	12,55	490
216	260	6,72	6521	2	–	–	–	–	–	–	6,40	283	8,57	379	15,25	675
179	216	8,11	4700	2	–	–	–	–	–	–	6,40	342	8,57	458	13,89	742
149	180	9,73	4700	2	–	–	1,52	97	3,09	198	6,40	410	8,57	549	12,46	798
127	154	11,40	4101	2	–	–	1,52	114	3,09	232	6,40	481	8,57	644	10,65	800
107	129	13,59	4280	2	–	–	1,52	136	3,09	277	6,40	573	8,49	760	8,94	800
98	119	14,74	4280	2	1,25	121	1,52	147	3,09	300	6,40	621	8,18	794	8,24	800
88	106	16,45	4280	2	1,25	135	1,52	165	3,09	335	6,14	666	7,38	800	7,38	800
81	98	17,82	5810	2	1,25	146	1,52	178	3,09	363	5,91	693	6,82	800	6,82	800
72	87	20,20	5810	2	1,25	166	1,52	202	3,05	406	5,54	737	6,01	800	6,01	800
67	80	21,76	5810	2	1,25	179	1,52	218	2,94	421	5,33	764	5,58	800	5,58	800
62	74	23,53	5810	2	1,25	193	1,52	235	2,82	437	5,12	794	5,16	800	5,16	800
57	68	25,55	5810	2	1,25	210	1,52	255	2,70	454	4,75	800	4,75	800	4,75	800
51	62	28,25	8630	2	1,24	230	1,52	282	2,55	474	4,30	800	4,30	800	4,30	800
47	57	30,60	8630	2	1,16	234	1,52	306	2,44	491	3,97	800	3,97	800	3,97	800
42	51	34,49	8630	2	1,05	239	1,52	345	2,28	518	3,52	800	3,52	800	–	–
38	46	37,76	8630	2	0,98	243	1,52	378	2,17	539	3,22	800	3,22	800	–	–
34	42	42,06	8630	2	0,89	246	1,46	404	2,03	562	2,89	800	–	–	–	–
30	36	48,09	12300	2	0,79	251	1,34	423	1,88	596	–	–	–	–	–	–
38	46	37,80	8630	3	–	–	1,52	378	3,09	769	3,21	800	–	–	–	–
32	39	45,41	12300	3	–	–	1,52	454	2,67	800	2,67	800	–	–	–	–
27	33	53,47	12300	3	–	–	1,52	535	2,27	800	2,27	800	–	–	–	–
24	29	59,91	12300	3	1,25	492	1,52	599	2,03	800	2,03	800	–	–	–	–
22	26	67,14	12300	3	1,25	552	1,52	671	1,81	800	1,81	800	–	–	–	–
20	24	73,30	13750	3	1,25	602	1,52	733	1,66	800	1,66	800	–	–	–	–
18	22	80,46	13750	3	1,25	661	1,51	800	1,51	800	1,51	800	–	–	–	–
16,4	20	88,59	13750	3	1,25	728	1,37	800	1,37	800	–	–	–	–	–	–
15,1	18,2	96,16	13500	3	1,25	790	1,26	800	1,26	800	–	–	–	–	–	–
13,8	16,7	104,80	13500	3	1,16	800	1,16	800	1,16	800	–	–	–	–	–	–
12,6	15,2	114,78	14100	3	1,06	800	1,06	800	1,06	800	–	–	–	–	–	–
11,5	13,8	126,41	14100	3	0,96	800	0,96	800	0,96	800	–	–	–	–	–	–
10	12	145,38	14100	3	0,84	800	0,84	800	0,84	800	–	–	–	–	–	–
9,2	11,1	157,50	14100	3	0,77	800	0,77	800	0,77	800	–	–	–	–	–	–
8,3	10,1	174,08	14100	3	0,70	800	0,70	800	0,70	800	–	–	–	–	–	–
7,1	8,6	203,09	14100	3	0,60	800	0,60	800	0,60	800	–	–	–	–	–	–
6,4	7,7	226,07	14100	3	0,54	800	0,54	800	0,54	800	–	–	–	–	–	–
5,8	7	248,68	14100	3	0,49	800	0,49	800	0,49	800	–	–	–	–	–	–
5,2	6,2	281,01	14100	3	0,43	800	0,43	800	0,43	800	–	–	–	–	–	–

f_s = 1,0

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged reducer selection

H_88-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter													
					71		80		90		100		112		132		160	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
298	359	4,87	11814	2	–	–	–	–	–	–	–	–	8,57	275	18,64	598	28,08	901
244	295	5,94	11814	2	–	–	–	–	–	–	6,40	250	8,57	335	17,68	692	28,08	1099
208	251	6,96	11814	2	–	–	–	–	–	–	6,40	293	8,57	393	16,77	769	27,49	1260
191	231	7,59	10017	2	–	–	–	–	–	–	–	–	8,57	428	18,65	932	26,66	1333
157	189	9,26	10017	2	–	–	–	–	–	–	6,40	390	8,57	523	17,68	1078	23,09	1408
134	161	10,85	10017	2	–	–	–	–	–	–	6,40	457	8,57	612	16,78	1199	20,70	1479
114	137	12,75	13140	2	–	–	–	–	3,09	260	6,40	538	8,57	720	15,79	1326	18,61	1563
99	120	14,63	13140	2	–	–	–	–	3,09	298	6,40	617	8,57	826	14,88	1434	17,05	1643
84	101	17,27	13140	2	–	–	–	–	3,09	352	6,40	728	8,57	975	13,77	1566	14,77	1680
77	93	18,72	15290	2	–	–	–	–	3,09	381	6,40	789	8,57	1056	13,26	1635	13,63	1680
70	84	20,81	15290	2	–	–	–	–	3,09	424	6,40	877	8,57	1175	12,26	1680	12,26	1680
64	77	22,61	15290	2	–	–	–	–	3,09	460	6,40	953	8,27	1232	11,28	1680	11,28	1680
58	70	25,01	15290	2	–	–	–	–	3,09	509	6,26	1031	7,88	1298	10,20	1680	10,20	1680
54	65	26,85	15290	2	–	–	–	–	3,09	547	5,91	1046	7,63	1349	9,50	1680	9,50	1680
50	60	28,93	19890	2	–	–	–	–	2,99	569	5,57	1061	7,37	1405	8,82	1680	–	–
46	56	31,32	19890	2	–	–	–	–	2,86	590	5,22	1076	7,13	1472	8,14	1680	–	–
43	51	34,07	19890	2	–	–	–	–	2,73	612	4,86	1092	6,77	1520	7,49	1680	–	–
39	47	37,27	19890	2	–	–	–	–	2,60	637	4,51	1107	6,28	1541	6,84	1680	–	–
35	42	41,90	19890	2	–	–	–	–	2,44	671	4,08	1126	5,68	1566	–	–	–	–
32	38	45,76	21600	2	–	–	–	–	2,32	699	3,78	1138	5,25	1583	–	–	–	–
29	34	50,73	21600	2	–	–	–	–	2,18	728	3,45	1152	–	–	–	–	–	–
42	51	34,14	19890	3	–	–	–	–	–	–	6,40	1439	7,47	1680	7,47	1680	–	–
35	42	41,19	19890	3	–	–	–	–	–	–	6,19	1680	6,19	1680	6,19	1680	–	–
29	35	49,42	21600	3	–	–	1,52	494	3,09	1006	5,16	1680	5,16	1680	5,16	1680	–	–
25	30	57,93	21600	3	–	–	1,52	579	3,09	1179	4,40	1680	4,40	1680	4,40	1680	–	–
21	25	69,05	21600	3	–	–	1,52	690	3,09	1406	3,69	1680	3,69	1680	3,70	1680	–	–
19,4	23	74,88	21600	3	1,25	615	1,52	749	3,09	1524	3,41	1680	3,41	1680	–	–	–	–
17,3	21	83,58	21600	3	1,25	687	1,52	836	3,05	1680	3,05	1680	3,05	1680	–	–	–	–
16	19,3	90,53	21600	3	1,25	744	1,52	905	2,82	1680	2,82	1680	–	–	–	–	–	–
14,1	17,1	102,61	21600	3	1,25	843	1,52	1026	2,49	1680	2,49	1680	–	–	–	–	–	–
13,1	15,8	110,54	21600	3	1,25	908	1,52	1105	2,31	1680	2,31	1680	–	–	–	–	–	–
12,1	14,6	119,52	21600	3	1,23	966	1,52	1195	2,13	1680	2,13	1680	–	–	–	–	–	–
11,2	13,5	129,79	21600	3	1,15	983	1,52	1298	1,97	1680	1,97	1680	–	–	–	–	–	–
10,1	12,2	143,50	21600	3	1,06	1003	1,52	1435	1,78	1680	1,78	1680	–	–	–	–	–	–
9,3	11,3	155,46	21600	3	0,99	1018	1,52	1555	1,64	1680	1,64	1680	–	–	–	–	–	–
8,3	10	175,18	21600	3	0,90	1038	1,46	1680	1,46	1680	1,46	1680	–	–	–	–	–	–
7,6	9,1	191,80	21600	3	0,83	1053	1,33	1680	1,33	1680	–	–	–	–	–	–	–	–
6,8	8,2	213,64	21600	3	0,76	1069	1,19	1680	1,19	1680	–	–	–	–	–	–	–	–
5,9	7,2	244,29	21600	3	0,68	1087	1,04	1680	1,04	1680	–	–	–	–	–	–	–	–
5,4	6,5	270,90	21600	3	0,62	1100	0,94	1680	0,94	1680	–	–	–	–	–	–	–	–
4,8	5,8	300,41	21600	3	0,56	1112	0,85	1680	0,85	1680	–	–	–	–	–	–	–	–

f_s = 1,0

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged reducer selection

H_108-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter													
					80		90		100		112		132		160		180/200	
$n_{2(60)}$	$n_{2(60)}$	(i)	F_R	ST	P^{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	PMot	T2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
263	318	5,51	14732	2	–	–	–	–	–	–	–	–	20,22	734	28,07	1019	46,66	1693
226	273	6,41	14733	2	–	–	–	–	–	–	–	–	20,22	854	28,08	1185	41,67	1759
204	246	7,10	16480	2	–	–	–	–	–	–	8,57	401	20,23	946	28,09	1314	38,54	1802
175	212	8,27	16480	2	–	–	–	–	–	–	–	–	20,23	1102	28,10	1530	56,91	3100
151	182	9,62	16480	2	–	–	–	–	–	–	–	–	20,23	12 82	28,10	1780	48,93	3100
136	164	10,67	16480	2	–	–	–	–	–	–	8,57	602	20,22	1421	28,08	1973	44,11	3100
114	138	12,68	17957	2	–	–	–	–	–	–	8,57	715	20,22	1689	28,08	2345	37,12	3100
99	120	14,63	17957	2	–	–	–	–	–	–	8,57	825	20,22	1949	26,90	2592	32,17	3100
84	102	17,19	17957	2	–	–	–	–	–	–	8,57	970	19,68	2228	24,96	2826	27,38	3100
74	90	19,48	19073	2	–	–	–	–	–	–	8,57	1099	18,87	2421	23,52	3018	24,16	3100
63	77	22,86	19073	2	–	–	–	–	–	–	8,57	1290	17,78	2677	20,59	3100	20,59	3100
58	70	24,94	19073	2	–	–	–	–	–	–	8,57	1407	17,19	2824	18,87	3100	18,87	3100
53	64	2 7,2 0	19073	2	–	–	–	–	–	–	8,57	1535	16,67	2986	17,28	3095	17,28	3095
49	60	29,35	22854	2	–	–	–	–	–	–	8,30	1605	15,84	3063	16,04	3100	16,04	3100
44	53	32,81	22854	2	–	–	–	–	–	–	7,84	1695	14,35	3100	14,35	3100	–	–
41	50	35,14	22854	2	–	–	–	–	–	–	7,60	1758	13,39	3100	13,39	3100	–	–
38	46	37,79	27853	2	–	–	–	–	–	–	7,34	1827	12,46	3100	–	–	–	–
36	43	40,82	27853	2	–	–	–	–	–	–	7,10	1909	11,53	3100	–	–	–	–
33	39	44,31	27853	2	–	–	–	–	–	–	6,87	2005	10,62	3100	–	–	–	–
30	36	48,38	27853	2	–	–	–	–	–	–	6,40	2040	9,73	3100	–	–	–	–
34	41	42,61	27853	3	–	–	–	–	–	–	8,57	2405	11,05	3100	–	–	–	–
28	34	51,97	27853	3	–	–	–	–	6,40	2190	8,57	2933	9,06	3100	–	–	–	–
24	29	60,90	27850	3	–	–	–	–	6,40	2567	7,73	3100	7,73	3100	–	–	–	–
20	24	71,59	32667	3	1,52	716	3,09	1457	6,40	3017	6,57	3100	6,57	3100	–	–	–	–
17,7	21	82,14	32667	3	1,52	821	3,09	1672	5,73	3100	5,73	3100	5,73	3100	–	–	–	–
15	18,1	96,94	32667	3	1,52	969	3,09	1973	4,86	3100	4,86	3100	4,86	3100	–	–	–	–
13,8	16,7	105,08	32667	3	1,52	1051	3,09	2139	4,48	3100	4,48	3100	4,48	3100	–	–	–	–
12,4	15	116,83	32667	3	1,52	1168	3,09	2378	4,03	3100	4,03	3100	4,03	3100	–	–	–	–
11,4	13,8	126,90	32667	3	1,52	1269	3,09	2583	3,71	3100	3,71	3100	3,71	3100	–	–	–	–
10,3	12,5	140,37	32667	3	1,52	1404	3,09	2858	3,35	3100	3,35	3100	–	–	–	–	–	–
9,6	11,6	150,70	32667	3	1,52	1507	3,09	3068	3,12	3100	–	–	–	–	–	–	–	–
8,9	10,8	162,40	32667	3	1,52	1624	2,90	3100	2,90	3100	–	–	–	–	–	–	–	–
8,2	10	175,78	32667	3	1,52	1758	2,68	3100	2,68	3100	–	–	–	–	–	–	–	–
7,6	9,2	191,21	32667	3	1,52	1912	2,46	3100	2,46	3100	–	–	–	–	–	–	–	–
6,9	8,4	209,21	32667	3	1,52	2092	2,25	3100	2,25	3100	–	–	–	–	–	–	–	–
6,2	7,4	235,19	32667	3	1,52	2352	2,00	3100	2,00	3100	–	–	–	–	–	–	–	–
5,6	6,8	256,86	32667	3	1,52	2569	1,83	3100	1,83	3100	–	–	–	–	–	–	–	–
5,1	6,1	284,73	32667	3	1,46	2747	1,65	3100	–	–	–	–	–	–	–	–	–	–
4,5	5,4	325,21	32667	3	1,34	2874	1,45	3100	–	–	–	–	–	–	–	–	–	–
4	4,9	359,30	32667	3	1,25	2962	1,31	3100	–	–	–	–	–	–	–	–	–	–

f_s = 1,0

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged reducer selection

H_128-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter													
					90		100		112		132		160		180/200		225	
$n_{2(60)}$	$n_{2(60)}$	(i)	F_R	ST	P^{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
399	482	3,63	18038	2	–	–	–	–	–	–	–	–	28,06	671	57,16	1366	83,99	2008
300	362	4,83	19536	2	–	–	–	–	–	–	–	–	28,06	893	57,15	1818	78,05	2483
259	313	5,59	19536	2	–	–	–	–	–	–	19,82	729	28,08	1034	57,18	2105	70,81	2607
245	295	5,93	19536	2	–	–	–	–	–	–	–	–	28,07	1096	57,17	2233	84,01	3281
184	222	7,88	21733	2	–	–	–	–	–	–	–	–	28,10	1459	57,24	2971	78,17	4057
159	192	9,13	21733	2	–	–	–	–	–	–	19,82	1192	28,09	1689	57,20	3440	72,05	4332
135	162	10,78	21733	2	–	–	–	–	–	–	19,11	1357	28,08	1994	57,20	4061	64,83	4603
121	145	12,03	23602	2	–	–	–	–	–	–	18,57	1471	28,10	2226	57,23	4534	59,52	4716
103	124	14,06	23602	2	–	–	–	–	–	–	17,72	1641	28,09	2601	52,57	4868	52,57	4868
90	109	16,12	23602	2	–	–	–	–	–	–	16,86	1790	28,09	2982	47,03	4993	47,03	4993
78	94	18,64	23602	2	–	–	–	–	–	–	15,87	1948	28,09	3448	41,54	5100	41,54	5100
75	90	19,35	24815	2	–	–	–	–	–	–	15,59	1986	28,08	3579	40,02	5100	40,02	5100
68	82	21,41	24815	2	–	–	–	–	–	–	14,87	2097	26,79	3778	36,17	5100	36,17	5100
58	70	25,05	24815	2	–	–	–	–	–	–	13,75	2268	23,77	3921	30,91	5100	30,91	5100
53	65	27,13	24815	2	–	–	–	–	–	–	13,20	2359	22,32	3988	28,54	5100	28,56	5100
48	58	30,28	28756	2	–	–	–	–	–	–	12,47	2488	20,44	4077	25,57	5100	–	–
45	55	32,11	28756	2	–	–	–	–	–	–	12,16	2571	19,48	4120	24,12	5100	–	–
40	48	36,39	28756	2	–	–	–	–	–	–	11,44	2742	17,56	4209	–	–	–	–
37	45	38,94	28756	2	–	–	–	–	–	–	11,19	2870	16,58	4253	–	–	–	–
35	43	40,96	28756	2	–	–	–	–	–	–	11,09	2992	–	–	–	–	–	–
39	47	37,57	28756	3	–	–	–	–	–	–	20,06	4963	20,06	4963	20,06	4963	–	–
33	40	43,71	28756	3	–	–	–	–	–	–	17,72	5100	17,72	5100	17,72	5100	–	–
30	36	48,44	35473	3	–	–	–	–	8,57	2733	16,00	5100	15,99	5100	15,99	5100	–	–
25	30	57,56	35473	3	–	–	6,40	2426	8,57	3248	13,46	5100	13,45	5100	13,46	5100	–	–
22	26	66,43	40000	3	–	–	6,40	2800	8,57	3749	11,66	5100	11,66	5100	–	–	–	–
18,6	22	78,06	40000	3	3,09	1589	6,40	3290	8,57	4405	9,93	5100	9,92	5100	–	–	–	–
16,4	20	88,46	40000	3	3,09	1801	6,40	3728	8,57	4992	8,76	5100	8,76	5100	–	–	–	–
14	16,9	103,80	40000	3	3,09	2113	6,40	4375	7,46	5100	7,47	5100	7,47	5100	–	–	–	–
12,8	15,5	113,24	40000	3	3,09	2305	6,40	4772	6,84	5100	6,84	5100	–	–	–	–	–	–
11,7	14,2	123,53	40000	3	3,09	2515	6,27	5100	6,27	5100	6,27	5100	–	–	–	–	–	–
10,9	13,1	133,30	40000	3	3,09	2714	5,81	5100	5,81	5100	5,81	5100	–	–	–	–	–	–
9,7	11,7	148,99	40000	3	3,09	3033	5,20	5100	5,20	5100	5,20	5100	–	–	–	–	–	–
9,1	11	159,60	40000	3	3,09	3249	4,85	5100	4,85	5100	4,85	5100	–	–	–	–	–	–
8,4	10,2	171,62	40000	3	2,97	3361	4,51	5100	4,51	5100	4,51	5100	–	–	–	–	–	–
7,8	9,4	185,36	40000	3	2,85	3477	4,18	5100	4,18	5100	4,18	5100	–	–	–	–	–	–
7,2	8,7	201,22	40000	3	2,72	3602	3,85	5100	3,85	5100	3,85	5100	–	–	–	–	–	–
6,6	8	219,72	40000	3	2,58	3739	3,52	5100	–	–	–	–	–	–	–	–	–	–
5,9	7,1	245,93	40000	3	2,42	3926	3,15	5100	–	–	–	–	–	–	–	–	–	–
5,4	7	268,16	40000	3	2,31	4080	2,89	5100	–	–	–	–	–	–	–	–	–	–

f_8 = 1,0

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged reducer selection

H_148-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter													
					100		112		132		160		180/200		225		250	
$n_{2(60)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
295	356	4,92	23939	2	–	–	–	–	–	–	28,09	910	57,21	1854	85,00	2753	89,42	2898
226	272	6,43	23939	2	–	–	–	–	–	–	28,08	1189	57,20	2422	78,89	3341	77,64	3288
192	231	7,57	27079	2	–	–	–	–	20,17	1005	28,09	1401	57,22	2853	71,74	3577	70,58	3519
165	199	8,79	30033	2	–	–	–	–	–	–	28,08	1625	57,18	3310	84,91	4915	89,38	5174
126	152	11,48	30033	2	–	–	–	–	20,23	1529	28,09	2124	57,21	4325	78,90	5966	77,66	5872
107	129	13,52	30033	2	–	–	–	–	20,15	1795	28,09	2501	57,21	5094	71,73	6387	70,57	6284
93	113	15,51	30033	2	–	–	–	–	19,59	2002	28,08	2869	57,20	5843	65,85	6727	64,76	6615
85	102	17,09	30033	2	–	–	–	–	19,13	2153	28,09	3162	57,21	6440	61,82	6958	60,78	6842
72	87	20,21	32795	2	–	–	–	–	18,18	2420	28,09	3739	57,21	7615	55,12	7337	54,17	7211
63	76	23,04	32795	2	–	–	–	–	17,34	2631	28,08	4262	52,27	7931	50,17	7613	49,30	7481
55	66	26,49	32795	2	–	–	–	–	16,37	2855	28,09	4900	45,85	8000	45,20	7887	44,41	7748
48	58	30,28	35193	2	–	–	–	–	15,39	3069	27,81	5547	40,11	8000	40,11	8000	40,06	7985
41	50	35,09	35193	2	–	–	–	–	14,30	3306	25,02	5782	34,61	8000	34,61	8000	–	–
38	46	38,23	35193	2	–	–	–	–	13,69	3448	23,37	5884	31,77	8000	31,77	8000	–	–
34	41	42,59	35193	2	–	–	–	–	12,96	3635	21,41	6005	28,52	8000	–	–	–	–
32	39	45,11	43057	2	–	–	–	–	12,64	3757	20,41	6065	26,93	8000	–	–	–	–
42	51	34,15	35193	3	–	–	–	–	–	–	28,09	6318	35,57	8000	–	–	–	–
32	39	45,44	43057	3	–	–	–	–	–	–	26,73	8000	26,73	8000	–	–	–	–
28	33	52,61	43054	3	–	–	–	–	20,23	7009	23,09	8000	23,09	8000	–	–	–	–
23	28	62,12	52611	3	–	–	–	–	19,55	8000	19,55	8000	19,55	8000	–	–	–	–
21	25	69,36	52611	3	–	–	8,57	3914	17,51	8000	17,51	8000	17,51	8000	–	–	–	–
17,9	22	81,04	52611	3	–	–	8,57	4573	14,99	8000	14,99	8000	14,99	8000	–	–	–	–
15,6	18,8	92,91	52611	3	–	–	8,57	5243	13,07	8000	13,07	8000	13,08	8000	–	–	–	–
13,5	16,3	107,42	56604	3	–	–	8,57	6062	11,31	8000	11,31	8000	–	–	–	–	–	–
13	15,7	111,50	56604	3	6,40	4699	8,57	6292	10,89	8000	10,89	8000	–	–	–	–	–	–
11,8	14,2	123,37	56604	3	6,40	5199	8,57	6962	9,85	8000	9,85	8000	–	–	–	–	–	–
10	12,1	144,39	56604	3	6,40	6085	8,41	8000	8,41	8000	8,42	8000	–	–	–	–	–	–
9,3	11,2	156,38	56604	3	6,40	6590	7,77	8000	7,77	8000	7,77	8000	–	–	–	–	–	–
8,3	10	174,53	56604	3	6,40	7355	6,96	8000	6,96	8000	–	–	–	–	–	–	–	–
7,8	9,5	185,03	56604	3	6,20	7553	6,56	8000	6,56	8000	–	–	–	–	–	–	–	–
6,9	8,3	209,79	56604	3	5,58	7715	5,79	8000	5,79	8000	–	–	–	–	–	–	–	–
6,5	7,8	224,43	56604	3	5,27	7796	5,41	8000	5,41	8000	–	–	–	–	–	–	–	–
6,1	7,4	236,05	56604	3	5,06	7860	5,15	8000	5,15	8000	–	–	–	–	–	–	–	–
5,7	6,9	254,70	56604	3	4,73	7940	4,77	8000	4,77	8000	–	–	–	–	–	–	–	–
5,2	6,3	276,23	56604	3	4,40	8000	4,40	8000	4,40	8000	–	–	–	–	–	–	–	–
4,8	5,8	301,34	56604	3	4,03	8000	4,03	8000	4,03	8000	–	–	–	–	–	–	–	–
4,3	5,2	336,11	56604	3	3,61	8000	3,61	8000	–	–	–	–	–	–	–	–	–	–

f_s = 1,0

* Output torque values assume reducer is 100% efficient.

Quantis® reducers

ILH B5 flanged reducer selection

H_168-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter									
					132		160		180/200		225		250	
$n_{2(60)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
294	355	4,93	79048	2	–	–	–	–	57,17	1856	84,50	2744	98,03	3183
234	282	6,20	79048	2	–	–	28,11	1147	57,22	2337	82,99	3389	89,65	3661
177	213	8,21	79048	2	–	–	–	–	57,22	3094	84,57	4573	98,11	5305
140	169	10,34	79048	2	–	–	28,08	1912	57,19	3894	82,93	5648	89,59	6101
109	132	13,27	79048	2	–	–	28,09	2455	57,21	5000	77,45	6769	77,84	6804
94	113	15,44	79048	2	20,12	2047	28,09	2857	57,21	5818	70,53	7172	70,87	7207
82	99	17,60	79048	2	19,56	2267	28,09	3256	57,21	6631	64,73	7503	65,08	7544
75	91	19,30	79048	2	19,10	2428	28,09	3571	57,21	7273	60,78	7727	61,12	7770
62	75	23,26	79048	2	17,96	2751	28,09	4303	55,37	8482	53,20	8150	53,50	8196
56	68	25,84	79048	2	17,29	2942	28,09	4780	51,21	8716	49,18	8369	49,45	8416
50	60	29,27	79048	2	16,40	3161	28,09	5416	46,56	8976	44,68	8614	44,93	8661
43	52	33,88	79048	2	–	–	–	–	41,49	9258	39,80	8881	40,01	8927
37	44	39,45	79048	2	–	–	–	–	36,64	9519	35,12	9126	–	–
34	42	42,09	79048	2	–	–	–	–	34,72	9625	33,28	9225	–	–
31	38	46,61	79048	2	–	–	–	–	31,85	9776	–	–	–	–
35	43	40,99	79048	3	–	–	28,09	7584	51,86	14000	51,86	14000	51,88	14000
27	33	53,56	79048	3	–	–	28,09	9909	39,69	14000	39,69	14000	39,71	14000
23	28	63,08	79048	3	20,16	8374	28,09	11671	33,70	14000	33,70	14000	39,71	14000
20	24	72,36	79048	3	19,60	9339	28,09	13386	29,38	14000	29,39	14000	–	–
18,2	22	79,75	79048	3	19,13	10046	26,65	14000	26,65	14000	26,67	14000	–	–
15,4	18,6	94,30	79048	3	18,18	11292	22,54	14000	22,54	14000	22,55	14000	–	–
13,5	16,3	107,48	79048	3	17,34	12277	19,78	14000	19,78	14000	19,79	14000	–	–
11,7	14,2	123,59	79048	3	16,37	13323	17,20	14000	17,20	14000	–	–	–	–
10,3	12,4	141,28	79048	3	15,05	14000	15,05	14000	15,05	14000	–	–	–	–
8,9	10,7	163,72	79048	3	12,98	14000	12,98	14000	12,99	14000	–	–	–	–
8,1	9,8	178,38	79048	3	11,92	14000	11,92	14000	–	–	–	–	–	–
7,3	8,8	198,71	79048	3	10,70	14000	10,70	14000	–	–	–	–	–	–
6,9	8,3	210,49	79048	3	10,10	14000	10,10	14000	–	–	–	–	–	–
6,1	7,4	236,72	79048	3	8,98	14000	8,98	14000	–	–	–	–	–	–
5,7	6,9	253,08	79048	3	8,40	14000	8,41	14000	–	–	–	–	–	–
5,4	6,5	268,29	79048	3	7,92	14000	–	–	–	–	–	–	–	–
5	6,1	289,23	79048	3	7,35	14000	–	–	–	–	–	–	–	–
4,6	5,6	313,41	79048	3	6,78	14000	–	–	–	–	–	–	–	–
4,2	5,1	341,61	79048	3	6,22	14000	–	–	–	–	–	–	–	–

f_s = 1,0

* Output torque values assume reducer is 100% efficient.

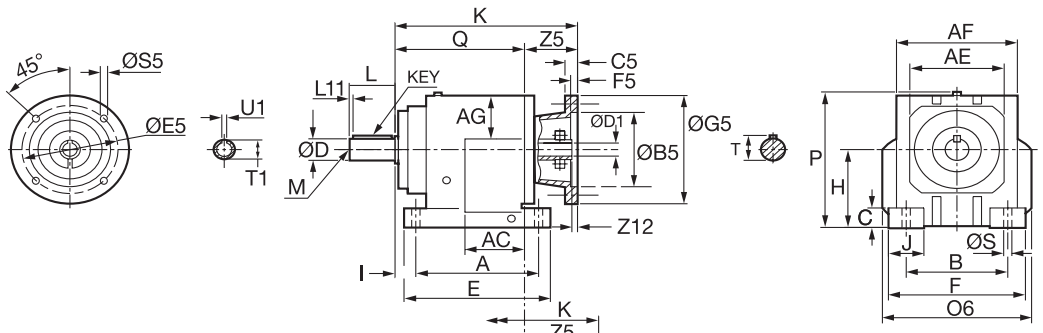
Quantis® reducers

ILH reducer dimensions

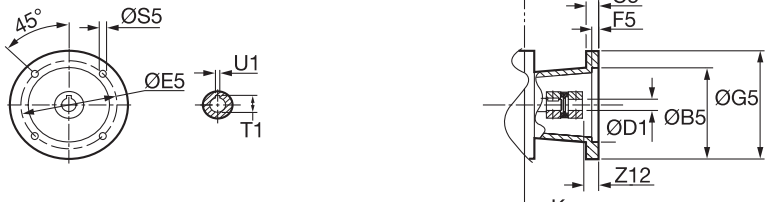
Foot Mounted

HB38

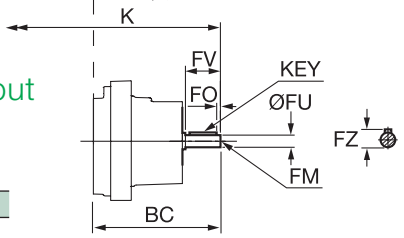
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
25	k6	28	50	7	8 x 7 x 40	M10 x 22

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
30	k6	33	60	7	8 x 7 x 50	M10 x 22

Gearcase

F	AC	O6	AE	AF	AG	E	I	H	B	A	C	Ø S	J	P	Q
147	59	163	96	129	47	160	25	90	110	130	20	10	34	158	140

IEC motor adapter-clamp collar

	HB38 2 ST		HB38 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	210	70	225	85	110	H7	130	160	M8	14	F7	16	5	17	5	4	14	14
80D (1)	234	94	249	109	130		165	200	M10	19		22	6	17	5	15	17	15
90D (1)	234	94	249	109	130		165	200	M10	24		27	8	17	5	16	17	17
100D (1)	242	102	-	-	180		215	250	M12	28		31	8	22	5	7	19	-

IEC motor adapter-3-pc coupled

	HB38 2 ST		HB38 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D (1)	342	202	357	217	130	H8	165	200	M10	19	H7	22	6	17	5	15	24	24
90D (1)	342	202	357	217	130		165	200	M10	24		27	8	17	5	26	24	24
100D (1)	364	224	-	-	180		215	250	M12	28		31	8	19	5	30	29	-

Free input

	HB38 2 ST		HB38 3ST		2 stage-3 stage								Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key		2 St [kg]	3 St [kg]
71	291	151	306	166	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32		17	18
80	326	186	341	201	4	M6 x 16	19		40	22	6 x 6 x 32		21	22
90	336	196	351	211	5	M8 x 19	24		50	27	8 x 7 x 40		21	22
100	352	212	-	-	5	M10 x 22	28		60	31	8 x 7 x 50		21	-

* Weights are without oil.
Refer to page 18-20 for oil quantities.
3 Piece coupled weights are without backstop
Note (1) - Riser block required

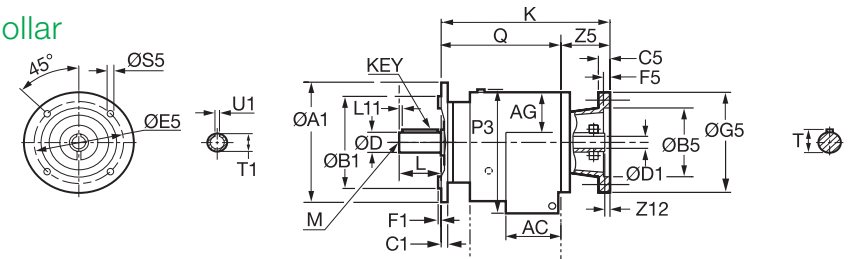
Quantis® reducers

ILH reducer dimensions

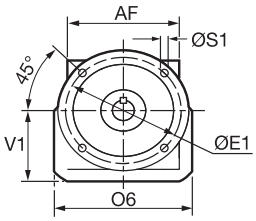
Flange Mounted (B5 - B14)

HF38

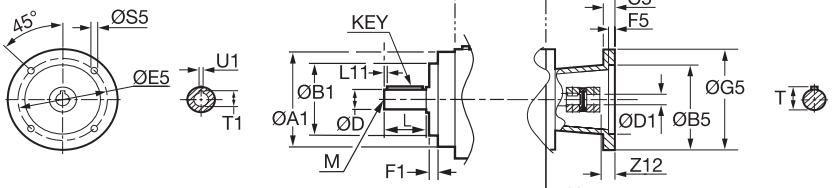
Clamp Collar



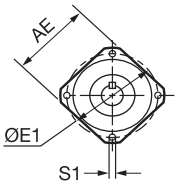
OUTPUT FLANGE TYPE: B5



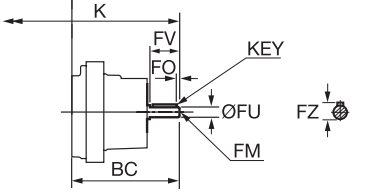
Three-Piece Coupled



OUTPUT FLANGE TYPE: B14



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
25	k6	28	50	7	8 x 7 x 40	M10 x 22

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
30	k6	33	60	7	8 x 7 x 50	M10 x 22

Gearcase

Q	AC	O6	AE	AF	AG	P3	V1
140	59	164	101	129	47	160	92

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
120	80	j6	101	M8 X 11	10

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
160	110	j6	130	9	4	10
200	130	j6	165	11	4	12

IEC motor adapter-clamp collar

	HF38 2 ST		HF38 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	210	70	225	85	110	H8	130	160	M8	14	F7	16	5	17	5	4	13	14
80D	234	94	249	109	130		165	200	M10	19		22	6	17	5	16	15	15
90D	234	94	249	109	130		165	200	M10	24		27	8	17	5	16	15	15
100D	242	102	-	-	180		215	250	M12	28		31	8	22	5	7	17	–

IEC motor adapter-3-pc coupled

	HF38 2 ST		HF38 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	342	201	357	217	130	H8	165	200	M10	19	H7	22	6	17	5	15	22	23
90D	342	201	357	217	130		165	200	M10	24		27	8	17	5	26	22	23
100D	364	224	-	-	180		215	250	M12	28		31	8	19	5	30	27	–

Free input

	HF38 2 ST		HF38 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
71	291	151	306	166	4	M5 X 12,5	16	k6	40	18	5 x 5 x 32	15	17
80	326	186	341	201	4	M6 X 16	19		40	22	6 x 6 x 32	19	20
90	336	196	351	211	5	M8 X 19	24		50	27	8 x 7 x 40	19	20
100	352	212	-	-	5	M10 X 22	28		60	31	8 x 7 x 50	20	-

‡ Consult Application Engineering.
* Weights are without oil.
Refer to page 18-20 for oil quantities.
3-Piece coupled weights are without backstop.
Weights are for B14 flange.
B5 flange: 160mm = +1 kg, 200mm = +2 kg.

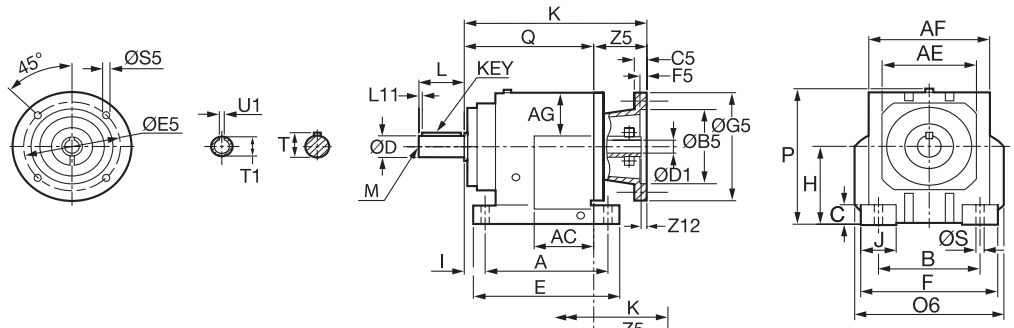
Quantis® reducers

ILH reducer dimensions

Foot Mounted

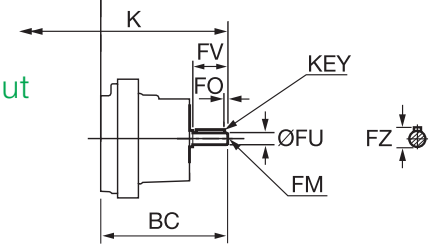
HB48

Clamp Collar



Three-Piece Coupled

Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
30	k6	33	60	7	8 x 7 x 50	M10 X 22

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
40	k6	43	80	5	12 x 8 x 70	M16 X 36

Gearcase

F	AC	O6	AE	AF	AG	E	I	H	B	A	C	Ø S	J	P	Q
195	70	220	125	168	58	200	30	115	135	165	25	14	55	222	173

IEC motor adapter-clamp collar

	HB48 2 ST		HB48 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	238	65	255	82	110		130	160	M8	14		16	5	17	5	4	24	24
80D	262	89	279	106	130		165	200	M10	19		22	6	17	5	16	27	27
90D	262	89	279	106	130	H7	165	200	M10	24	F7	27	8	17	5	16	26	27
100D (1)	269	96	286	113	180		215	250	M12	28		31	8	22	5	7	28	29
112D (1)	278	105	-	-	180		215	250	M12	28		31	8	21	5	7	30	-

IEC motor adapter-3-pc coupled

	HB48 2 ST		HB48 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	364	196	386	213	130		165	200	M10	19		22	6	17	5	15	34	34
90D	369	196	386	213	130		165	200	M10	24		27	8	17	5	26	34	34
100D (1)	391	219	409	236	180	H8	215	250	M12	28	H7	31	8	19	5	30	39	39
112D (1)	390	218	-	-	180		215	250	M12	28		31	8	19	5	30	40	-

Free input

	HB48 2 ST		HB48 3ST		2 stage-3 stage								Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key		2 St [kg]	3 St [kg]
71	319	146	336	163	4	M5 X 12,5	16		40	18	5 x 5 x 32		28	29
80	354	181	371	198	4	M6 X 16	19		40	22	6 x 6 x 32		31	32
90	364	191	381	208	5	M8 X 19	24	k6	50	27	8 x 7 x 40		31	32
100	380	207	397	224	5	M10 X 22	28		60	31	8 x 7 x 50		35	36
112	381	208	-	-	5	M10 X 22	28		60	31	8 x 7 x 50		36	-

* Weights are without oil.
Refer to page 18-20 for oil quantities.
3 Piece coupled weights are without backstop
Note (1) - Riser block required

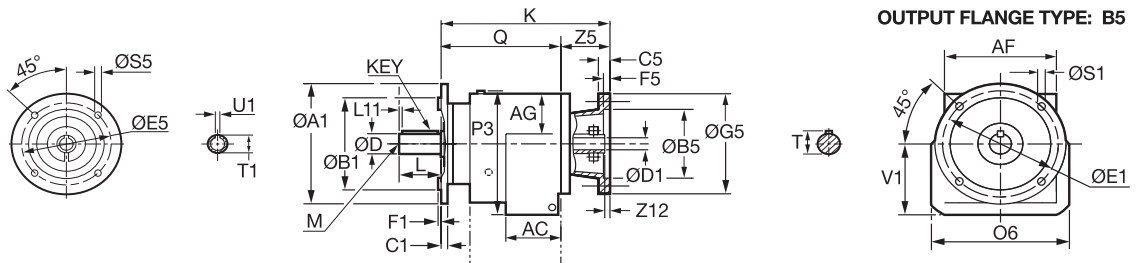
Quantis® reducers

ILH reducer dimensions

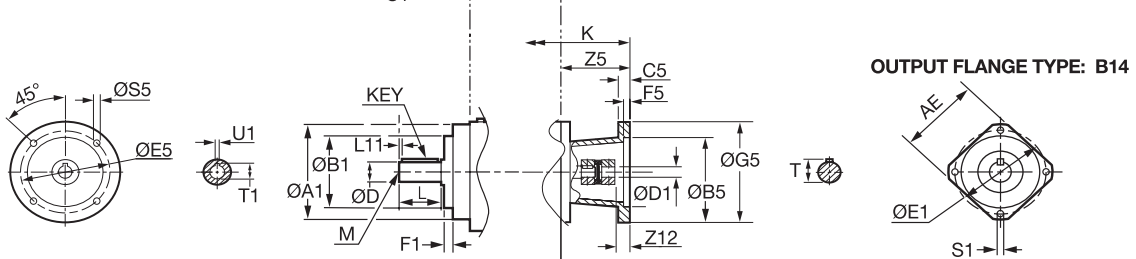
Flange Mounted (B5 - B14)

HF48

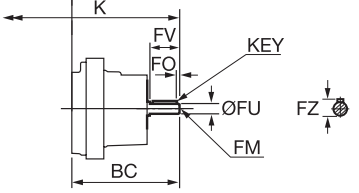
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
30	k6	33	60	7	8 x 7 x 50	M10 x 22

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
40	k6	43	80	5	12 x 8 x 70	M16 x 36

Gearcase

Q	AC	O6	AE	AF	AG	P3	V1	H1
173	70	220	125	168	59	225	117	42

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
160	110	j6	130	M10 x 16	15

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
200	130	j6	165	11	4	12
250	180	j6	215	14	4	15

IEC motor adapter-clamp collar

	HF48 2 ST		HF48 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	238	65	255	82	110		130	160	M8	14		16	5	17	5	4	23	23
80D	262	89	279	106	130		165	200	M10	19		22	6	17	5	16	24	25
90D	262	89	279	106	130	H7	165	200	M10	24	F7	27	8	17	5	16	24	25
100D	269	96	286	113	180		215	250	M12	28		31	8	22	5	7	26	27
112D	278	105	-	-	180		215	250	M12	28		31	8	21	5	7	28	-

IEC motor adapter-3-pc coupled

	HF48 2 ST		HF48 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	369	196	386	213	130		165	200	M10	19		22	6	17	5	15	32	32
90D	369	196	386	213	130		165	200	M10	24		27	8	17	5	26	32	32
100D	391	218	408	236	180	H8	215	250	M12	28	H7	31	8	19	5	30	37	37
112D	390	217	-	-	180		215	250	M12	28		31	8	19	5	30	38	-

Free input

	HF48 2 ST		HF48 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
71	319	146	336	163	4	M5 X 12,5	16		40	-	5 x 5 x 32	26	27
80	354	181	371	198	4	M6 X 16	19		40	22	6 x 6 x 32	29	30
90	364	191	381	208	5	M8 X 19	24	k6	50	27	8 x 7 x 40	29	30
100	380	207	397	224	5	M10	28		60	31	8 x 7 x 50	33	34
112	381	208	-	-	5	M10 X 22	28		60	-	8 x 7 x 50	35	-

‡ Consult Application Engineering.
* Weights are without oil.
Refer to page 18-20 for oil quantities.

3-Piece coupled weights are without backstop.
Weights are for B14 flange.
B5 flange: 200mm = +2 kg, 250mm = +3 kg.

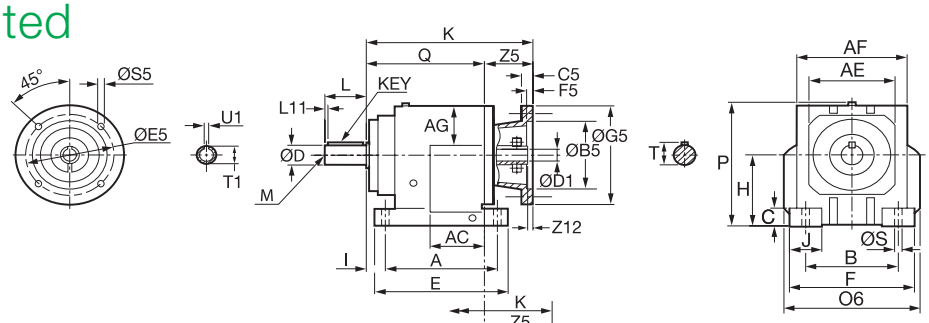
Quantis® reducers

ILH reducer dimensions

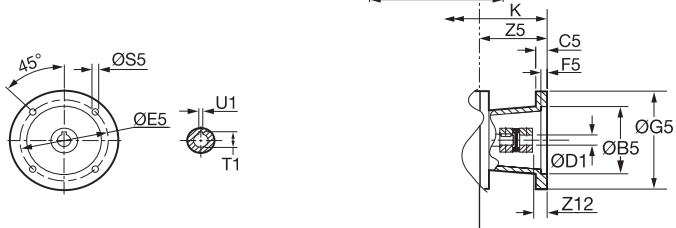
HB68

Foot mounted

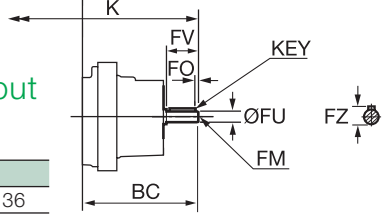
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
40	k6	43	80	5	12 x 8 x 70	M16 X 36

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
50	k6	54	100	10	14 x 9 x 80	M16 X 36

Gearcase

F	AC	O6	AE	AF	AG	E	I	H	B	A	C	Ø S	J	P	Q
235	83	263	161	207	77	245	35	140	170	205	30	18	60	269	209

IEC motor adapter-clamp collar

	HB68 2 ST		HB68 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	268	59	286	77	110	H7	130	160	M8	14	F7	16	5	17	5	4	39	42
80D	292	83	310	101	130		165	200	M10	19		22	6	17	5	16	43	45
90D	292	83	310	101	130		165	200	M10	24		27	8	17	5	16	43	44
100D	299	90	318	109	180		215	250	M12	28		31	8	22	5	7	45	47
112D	306	97	-	-	180		215	250	M12	28		31	8	21	5	7	46	-
132D (1)	347	138	-	-	230		265	300	M12	38		41	10	21	5	22	52	-

IEC motor adapter-3-pc coupled

	HB68 2 ST		HB68 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	399	190	418	209	130	H8	165	200	M10	19	H7	22	6	20	5	15	51	52
90D	399	190	418	209	130		165	200	M10	24		27	8	20	5	26	51	52
100D	422	213	440	231	180		215	250	M12	28		31	8	14	5	30	56	57
112D	419	210	-	-	180		215	250	M12	28		31	8	14	5	30	57	-
132D (1)	480	271	-	-	230		265	300	M12	38		41	10	19	5	45	66	-

Free input

	HB68 2 ST		HB68 3ST		2 stage-3 stage								Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key		2 St [kg]	3 St [kg]
71	349	140	367	158	4	M5 X 12,5	16	k6	40	18	5 x 5 x 32		45	48
80	384	175	402	193	4	M6 X 16	19		40	22	6 x 6 x 32		50	51
90	394	185	412	203	5	M8 X 19	24		50	27	8 x 7 x 40		49	52
100	410	201	428	219	5	M10 X 22	28		60	31	8 x 7 x 50		53	55
112	409	200	-	-	5	M10 X 22	28		60	31	8 x 7 x 50		54	-
132	493	284	-	-	5	M12 x 28	38		80	41	10 x 8 x 70		64	-

* Weights are without oil.

Refer to page 18-20 for oil quantities.,3 Piece coupled weights are without backstop

Note (1) - Riser Block Required

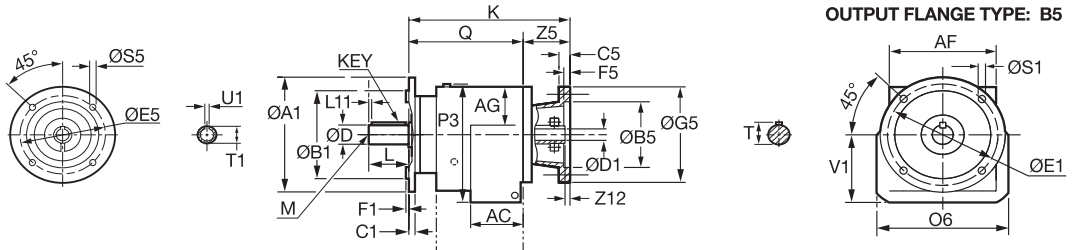
Quantis® reducers

ILH reducer dimensions

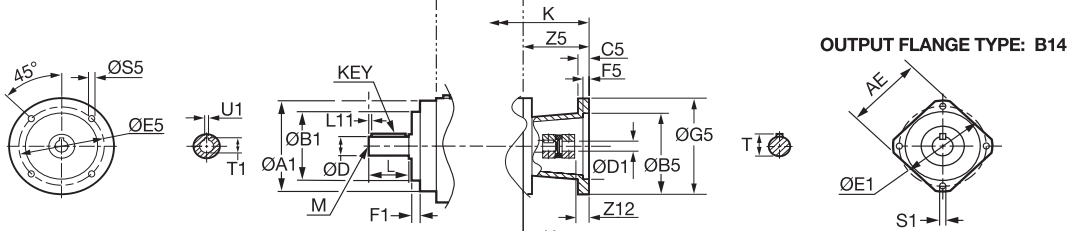
Flange mounted (B5 - B14)

HF68

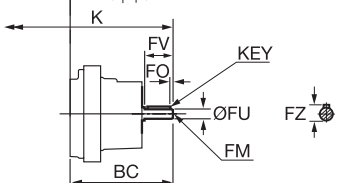
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
40	k6	43	80	5	12 x 8 x 70	M16 x 36

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
50	k6	54	100	10	14 x 9 x 80	M16 x 36

Gearcase

Q	AC	O6	AE	AF	AG	P3	V1
209	83	264	155	207	76	271	144

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
190	130	j6	165	M12 x 17	14

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
250	180	j6	215	13,5	4	15
300	230	j6	265	13.5	4	16

IEC motor adapter-clamp collar

	HF68 2 ST		HF68 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	268	58	286	77	110		130	160	M8	14		16	5	17	5	4	38	39
80D	292	83	310	101	130		165	200	M10	19		22	6	17	5	16	39	41
90D	292	83	310	101	130	H7	165	200	M10	24	F7	27	8	17	5	16	39	41
100D	299	90	318	109	180		215	250	M12	28		31	8	22	5	7	42	43
112D	306	97	-	-	180		215	250	M12	28		31	8	21	5	7	43	-
132D	347	138	-	-	230		265	300	M12	38		41	10	21	5	22	49	-

IEC motor adapter-3-pc coupled

	HF68 2 ST		HF68 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	399	190	418	209	130		165	200	M10	19		22	6	17	5	15	-	49
90D	399	190	418	209	130		165	200	M10	24		27	8	17	5	26	47	49
100D	422	213	440	231	180	H8	215	250	M12	28	H7	31	8	19	5	30	52	54
112D	419	210	-	-	180		215	250	M12	28		31	8	19	5	30	54	-
132D	480	271	-	-	230		265	300	M12	38		41	10	19	5	45	62	-

Free input

	HF68 2 ST		HF68 3ST		2 stage-3 stage							Weight *	
Frame	C	BC	C	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
71	349	140	367	158	4	M5 X 12,5	16		40	18	5 x 5 x 32	42	48
80	384	175	402	193	4	M6 X 16	19		40	22	6 x 6 x 32	45	48
90	394	185	412	203	5	M8 X 19	24		50	27	8 x 7 x 40	45	48
100	410	201	428	219	5	M10 X 22	28	k6	60	31	8 x 7 x 50	49	52
112	409	200	-	-	5	M10 X 22	28		60	31	8 x 7 x 50	51	-
132	493	284	-	-	5	M12 x 28	38		80	41	10 x 8 x 70	60	-

‡ Consult Application Engineering.
* Weights are without oil.
Refer to page 18-20 for oil quantities.

3-Piece coupled weights are without backstop.
Weights are for B14 flange.
B5 flange: 250mm = +3 kg, 300mm = +5 kg.

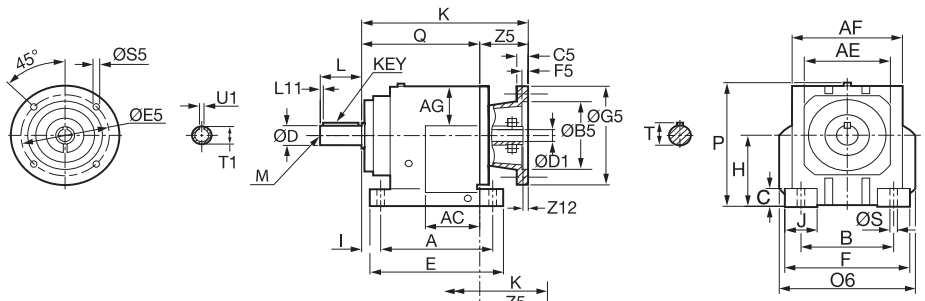
Quantis® reducers

ILH reducer dimensions

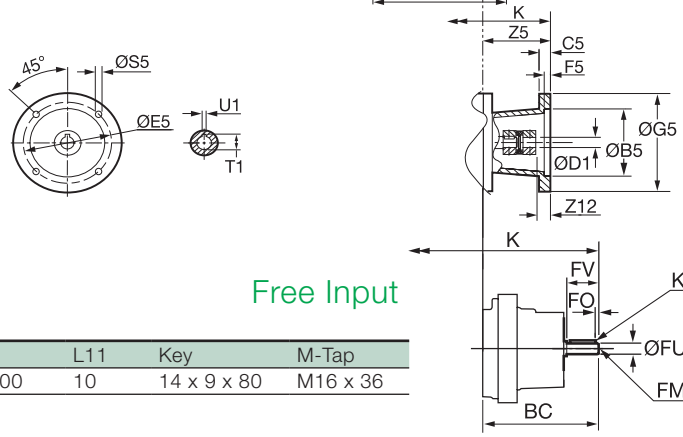
Foot mounted

HB88

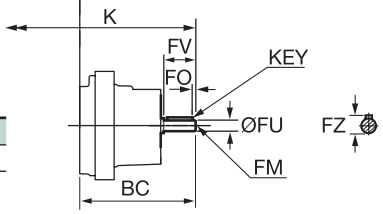
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
50	k6	54	100	10	14 x 9 x 80	M16 x 36

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
60	m6	64	120	10	18 x 11 x 100	M20 x 42

Gearcase

F	AC	O6	AE	AF	AG	E	I	H	B	A	C	Ø S	J	P	Q
290	108	332	200	260	94	310	40	180	215	260	45	18	75	335	266

IEC motor adapter-clamp collar

	HB88 2 ST		HB88 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	-	-	335	69	110		130	160	M8	14		16	5	17	5	4	-	74
80D	-	-	359	93	130		165	200	M10	19		22	6	17	5	16	-	77
90D	334	68	359	93	130		165	200	M10	24		27	8	17	5	16	-	77
100D	339	73	366	100	180	H7	215	250	M12	28	F7	31	8	22	5	7	78	79
112D	344	78	373	107	180		215	250	M12	28		31	8	21	5	7	79	80
132D	385	119	413	147	230		265	300	M12	38		41	10	21	5	22	85	86
160D	428	162	-	-	250		300	350	M16	42		45	12	27	6	20	101	-

IEC motor adapter-3-pc coupled

	HB88 2 ST		HB88 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	466	200	130		165	200	M10	19		22	6	17	5	15	-	84
90D	441	175	466	200	130		165	200	M10	24		27	8	17	5	26	-	84
100D	461	195	489	223	180	H8	215	250	M12	28	H7	31	8	19	5	30	88	89
112D	457	191	486	220	180		215	250	M12	28		31	8	19	5	30	90	91
132D	518	253	547	281	230		265	300	M12	38		41	10	19	5	45	98	99
160D	585	319	-	-	250		300	350	M16	42		45	12	30	6	66	122	-

Free input

	HB88 2 ST		HB88 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
71	-	-	416	150	4	M5 X 12,5	16		40	18	5 x 5 x 32	-	83
80	-	-	451	185	4	M6 X 16	19		40	22	6 x 6 x 32	-	86
90	436	170	461	195	5	M8 X 19	24		50	27	8 x 7 x 40	86	86
100	449	183	477	211	5	M10 X 22	28	k6	60	31	8 x 7 x 50	89	90
112	447	181	476	210	5	M10 X 22	28		60	31	8 x 7 x 50	91	92
132	532	266	560	294	5	M12 x 28	38		80	41	10 x 8 x 70	100	102
160	575	309	-	-	10	M16 X 36	42		110	45	12 x 8 x 90	111	-

* Weights are without oil.

Refer to page 18-20 for oil quantities.

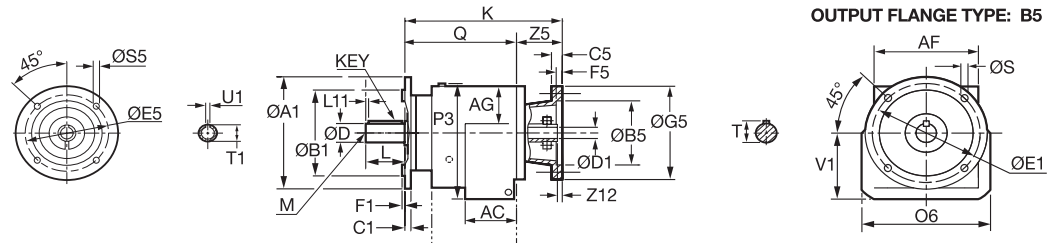
3 Piece coupled weights are without backstop

Quantis® reducers

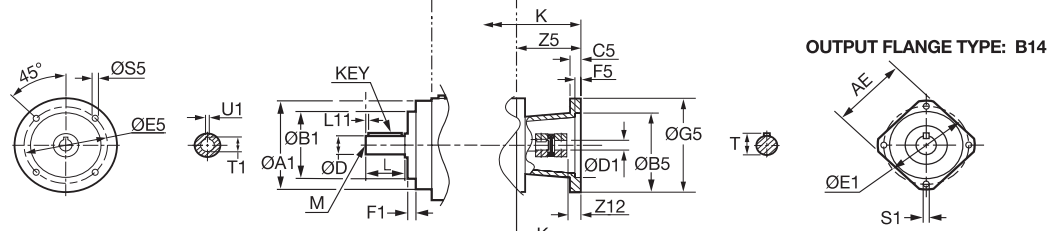
ILH reducer dimensions HF88

Flange mounted (B5 - B14)

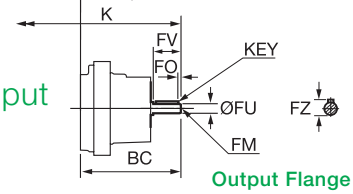
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
50	k6	54	100	10	14 x 9 x 80	M16 x36

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
60	m6	64	120	10	18 x 11 x 100	M20 x 42

Gearcase

Q	AC	O6	AE	AF	AG	P3	V1
266	129	332	200	260	94	337	182

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
245	180	j6	215	M16 x 22	18

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
300	230	j6	265	13,5	4	16
350	250	j6	300	17.5	5	18

IEC motor adapter-clamp collar

	HF88 2 ST		HF88 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	-	-	335	69	110		130	160	M8	14		16	5	17	5	4	-	68
80D	-	-	359	93	130		165	200	M10	19		22	6	17	5	16	-	70
90D	334	68	359	93	130		165	200	M10	24		27	8	17	5	16	69	70
100D	339	73	366	100	180	H7	215	250	M12	28	F7	31	8	22	5	7	71	72
112D	344	78	373	107	180		215	250	M12	28		31	8	21	5	7	73	73
132D	385	119	413	147	230		265	300	M12	38		41	10	21	5	22	79	80
160D	428	162	-	-	250		300	350	M16	42		27	12	27	6	20	91	-

IEC motor adapter-3-pc coupled

	HF88 2 ST		HF88 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	466	200	130		165	200	M10	19		22	6	17	5	15	-	78
90D	441	175	466	200	130		165	200	M10	24		27	8	17	5	26	74	78
100D	461	195	488	223	180		215	250	M12	28		31	8	19	5	30	82	83
112D	457	191	486	218	180	H8	215	250	M12	28	H7	31	8	19	5	30	83	84
132D	518	253	547	281	230		265	300	M12	38		41	10	19	5	45	92	93
160D	585	319	-	-	250		300	350	M16	42		45	12	30	6	66	115	-

Free input

	HF88 2 ST		HF88 3ST		2 stage-3 stage								Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]	
71	-	-	416	150	4	M5 X 12,5	16		40	18	5 x 5 x 32	-	76	
80	-	-	451	185	4	M6 X 16	19		40	22	6 x 6 x 32	-	79	
90	436	170	461	195	5	M8 X 19	24		50	27	8 x 7 x 40	80	79	
100	449	183	477	211	5	M10 X 22	28	k6	60	31	8 x 7 x 50	83	83	
112	447	181	476	210	5	M10 X 22	28		60	31	8 x 7 x 50	84	85	
132	532	266	560	294	5	M12 x 28	38		80	41	10 x 8 x 70	94	96	
160	575	309	-	-	10	M16 X 36	42		110	45	12 X 8 X 90	104	-	

‡ Consult Application Engineering.
* Weights are without oil.
Refer to page 18-20 for oil quantities.

3-Piece coupled weights are without backstop.
Weights are for B14 flange.
B5 flange: 300mm = +5 kg, 350mm = +8 kg.

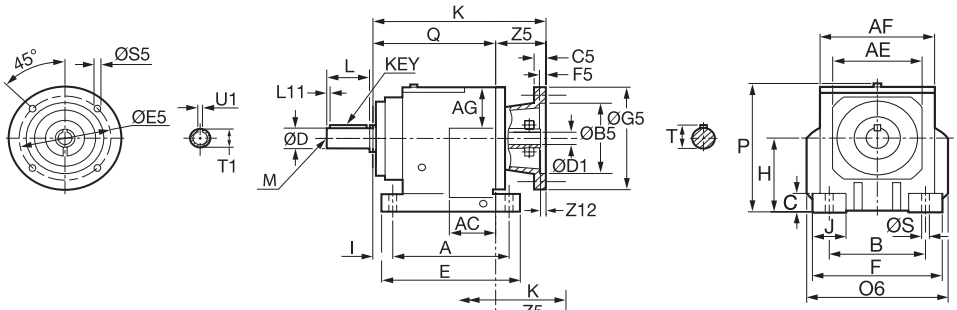
Quantis® reducers

ILH reducer dimensions

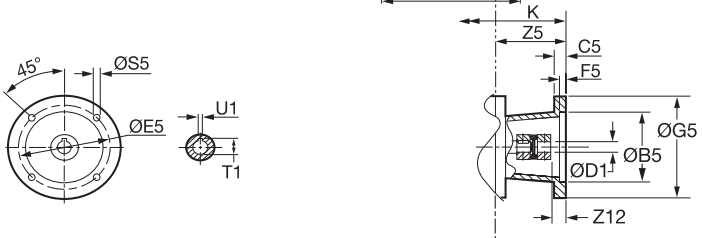
Foot mounted

HB108

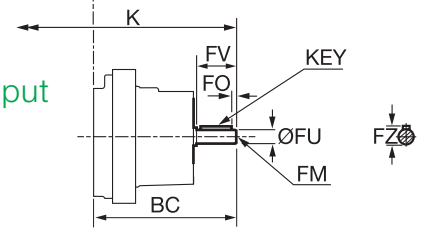
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
60	m6	64	120	10	18 x 11 x 100	M20 x 42

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
70	m6	75	140	15	20 x 12 x 110	M20 x 42

Gearcase

F	AC	O6	AE	AF	AG	E	I	H	B	A	C	Ø S	J	P	Q
340	126	410	250	306	108	365	40	225	250	310	50	22	91	412	311

IEC motor adapter-clamp collar

	HB108 2 ST		HB108 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	398	87	130		165	200	M10	19		22	6	17	5	16	-	126
90D	-	-	398	87	130		165	200	M10	24		27	8	17	5	16	-	126
100D	-	-	405	94	180		215	250	M12	28		31	8	22	5	7	-	128
112D	378	67	409	98	180	H7	215	250	M12	28	F7	31	8	21	5	7	126	129
132D	418	107	450	139	230		265	300	M12	38		41	10	21	5	22	131	136
160D	462	151	491	180	250		300	350	M16	42		45	12	27	6	20	141	148
180D	475	164	-	-	250		300	350	M16	48		52	14	22	6	22	150	-
200D	485	174	-	-	300		350	400	M16	55		59	16	25	6	30	151	-

IEC motor adapter-3-pc coupled

	HB108 2 ST		HB108 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	505	194	130		165	200	M10	19		22	6	17	5	16	-	133
90D	-	-	505	194	130		165	200	M10	24		27	8	17	5	26	-	133
100D	-	-	528	217	180		215	250	M12	28		31	8	19	5	7	-	138
112D	491	180	522	211	180	H7	215	250	M12	28	H7	31	8	19	5	7	126	140
132D	551	240	583	275	230		265	300	M12	38		41	10	19	5	22	131	149
160D	619	308	648	337	250		300	350	M16	42		45	12	30	6	20	141	172
180D	669	358	-	-	250		300	350	M16	48		52	14	25	6	22	150	-
200D	670	359	-	-	300		350	400	M16	55		59	16	25	6	30	151	-

Free input

	HB108 2 ST		HB108 3ST		2 stage-3 stage								Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key		2 St [kg]	3 St [kg]
80	-	-	490	179	4	M6 X 16	19		40	22	6 x 6 x 32		-	129
90	-	-	500	189	5	M8 X 19	24		50	27	8 x 7 x 40		-	129
100	-	-	516	205	5	M10 X 22	28		60	31	8 x 7 x 50		-	133
112	481	170	512	201	5	M10 X 22	28	k6	60	31	8 x 7 x 50		131	135
132	564	253	597	286	5	M12 X 28	38		80	41	10 x 8 x 70		140	145
160	609	298	638	327	10	M16 X 36	42		110	45	12 x 8 x 90		150	157
180	629	318	-	-	10	M20 X 42	55		110	59	16 x 10 x 90		161	-

* Weights are without oil.

Refer to page 18-20 for oil quantities.

3 Piece coupled weights are without backstop

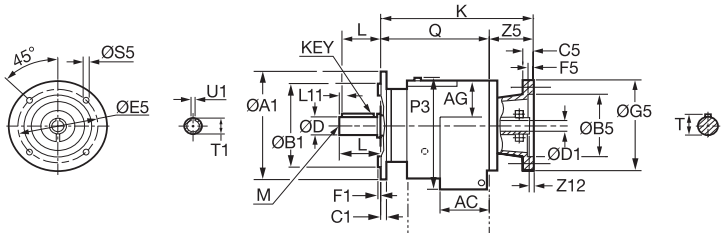
Quantis® reducers

ILH reducer dimensions

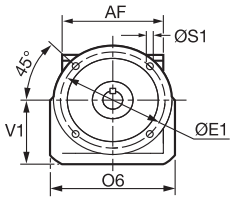
Flange mounted (B5 - B14)

HF108

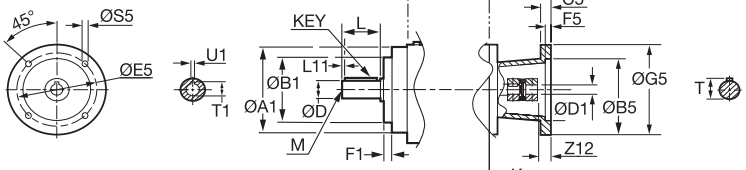
Clamp Collar



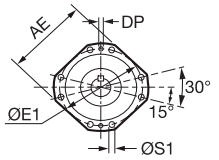
OUTPUT FLANGE TYPE: B5



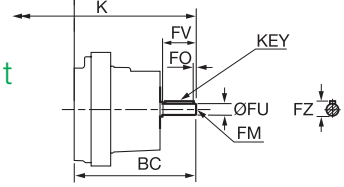
Three-Piece Coupled



OUTPUT FLANGE TYPE: B14



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
60	m6	64	120	10	18 x 11 x 100	M20 x 42

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
70	m6	75	140	15	20 x 12 x 110	M20 x 42

Gearcase

Q	AC	O6	AE	AF	AG	P3	V1
311	126	410	252	326	118	417	221

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
300	200	j6	250	M16 x 28	23

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
350	250	h6	300	17,5	5	18
450	350	h6	400	17,5	5	20

IEC motor adapter-clamp collar

	HF108 2 ST		HF108 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	398	87	130		165	200	M10	19		22	6	17	5	16	-	116
90D	-	-	398	87	130		165	200	M10	24		27	8	17	5	16	-	116
100D	-	-	405	94	180		215	250	M12	28		31	8	22	5	7	-	118
112D	378	67	409	98	180	H7	215	250	M12	28	F7	31	8	21	5	7	116	120
132D	418	107	450	139	230		265	300	M12	38		41	10	21	5	22	121	126
160D	462	151	491	180	250		300	350	M16	42		45	12	27	6	20	131	138
180D	475	164	-	-	250		300	350	M16	48		52	14	22	6	22	140	-
200D	485	174	-	-	300		350	400	M16	55		59	16	28	6	30	141	-

IEC motor adapter-3-pc coupled

	HF108 2 ST		HF108 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	505	194	130		165	200	M10	19		22	6	17	5	15	-	123
90D	-	-	505	194	130		165	200	M10	24		27	8	17	5	26	-	123
100D	-	-	528	217	180		215	250	M12	28		31	8	19	5	30	-	128
112D	491	180	522	211	180	H7	215	250	M12	28	H7	31	8	19	5	30	127	131
132D	551	240	583	273	230		265	300	M12	38		41	10	19	5	45	134	139
160D	619	308	648	337	250		300	350	M16	42		45	12	30	6	66	156	162
180D	669	358	-	-	250		300	350	M16	48		52	14	25	6	59	178	-
200D	670	359	-	-	300		350	400	M16	55		59	16	25	6	60	184	-

Free input

	HF108 2 ST		HF108 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
80	-	-	490	179	4	M6 X 16	19		40	22	6 x 6 x 32	-	119
90	-	-	500	189	5	M8 X 19	24		50	27	8 x 7 x 40	-	119
100	-	-	516	205	5	M10 X 22	28		60	31	8 x 7 x 50	-	123
112	481	170	512	201	5	M10 X 22	28	k6	60	31	8 x 7 x 50	122	125
132	564	253	597	286	5	M12 X 28	38		80	41	10 x 8 x 70	130	135
160	609	298	638	327	10	M16 X 36	42		110	45	12 x 8 x 90	140	145
180	629	318	-	-	10	M20 X 42	55		110	59	16 x 10 x 90	152	-

‡ Consult Application Engineering.
* Weights are without oil.
Refer to page 18-20 for oil quantities.

3-Piece coupled weights are without backstop.
Weights are for B14 flange.
B5 flange: 350mm = +9 kg, 450mm = +17 kg.

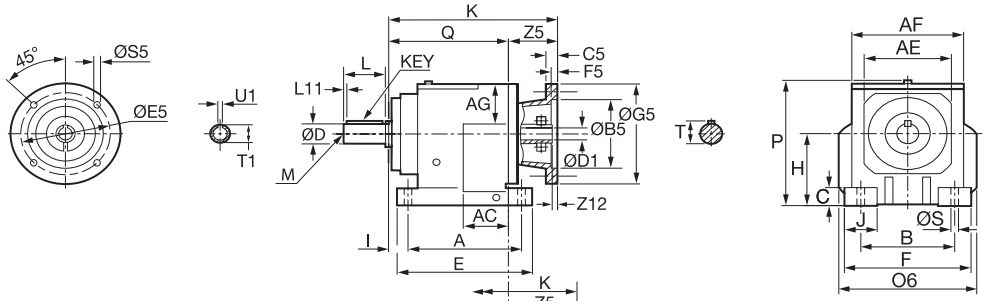
Quantis® reducers

ILH reducer dimensions

Foot mounted

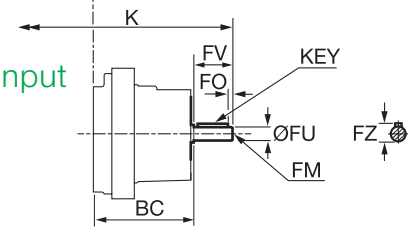
HB128

Clamp Collar



Three-Piece Coupled

Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
70	m6	75	140	15	20 x 12 x 110	M20 x 42

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
90	m6	95	170	15	25 x 14 x 140	M24 x 50

Gearcase

F	AC	O6	AE	AF	AG	E	I	H	B	A	C	Ø S	J	P	Q
400	143	462	300	364	124	440	45	250	290	370	55	26	110	459	374

IEC motor adapter-clamp collar

	HB128 2 ST		HB128 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
90D	-	-	454	80	130		165	200	M10	24		27	8	17	5	16	-	203
100D	-	-	461	87	180		215	250	M12	28		31	8	22	5	7	-	205
112D	-	-	464	90	180		215	250	M12	28		31	8	21	5	7	-	206
132D	470	96	504	130	230	H7	265	300	M12	38	F7	41	10	21	5	12	203	214
160D	508	134	545	171	250		300	350	M16	42		45	12	27	6	22	217	225
180D	525	151	562	188	250		300	350	M16	48		52	14	22	6	22	221	234
200D	535	161	572	198	300		350	400	M16	55		59	16	28	6	30	222	234

IEC motor adapter-3-pc coupled

	HB128 2 ST		HB128 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
90D	-	-	561	187	130		165	200	M10	24		27	8	17	5	26	-	210
100D	-	-	583	210	180		215	250	M12	28		31	8	17	5	30	-	215
112D	-	-	577	203	180		215	250	M12	28		31	8	19	5	30	-	217
132D	604	230	638	264	230	H7	265	300	M12	38	H7	41	10	19	5	45	216	227
160D	665	291	702	328	250		300	350	M16	42		45	12	30	6	66	242	249
180D	719	345	756	382	250		300	350	M16	48		52	14	25	6	59	259	271
200D	732	359	757	383	300		350	400	M16	55		59	16	25	6	60	265	277
225D	803	429	-	-	350		400	450	M16	60		64	18	27	6	90	312	-

Free input

	HB128 2 ST		HB128 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
90	-	-	556	182	5	M8 X 19	24		50	27	8 x 7 x 40	-	206
100	-	-	572	198	5	M10 X 22	28		60	31	8 x 7 x 50	-	210
112	-	-	567	193	5	M10 X 22	28		60	31	8 x 7 x 50	-	211
132	617	243	651	277	10	M12 X 28	38	k6	80	41	10 x 8 x 70	212	223
160	655	281	692	318	10	M16 X 36	42		110	45	12 x 8 x 90	227	234
180	679	305	716	342	10	M20 X 42	55		110	59	16 x 10 x 90	233	245
225	736	362	-	-	15	M20 X 42	60		140	64	18 x 11 x 110	261	-

* Weights are without oil.

Refer to page 18-20 for oil quantities.

3 Piece coupled weights are without backstop

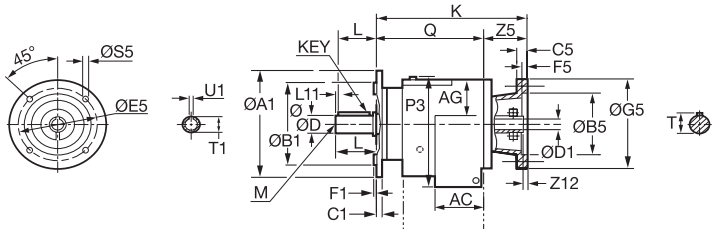
Quantis® reducers

ILH reducer dimensions

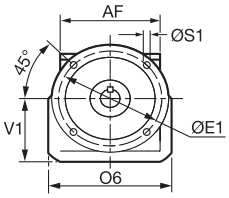
Flange mounted (B5 - B14)

HF128

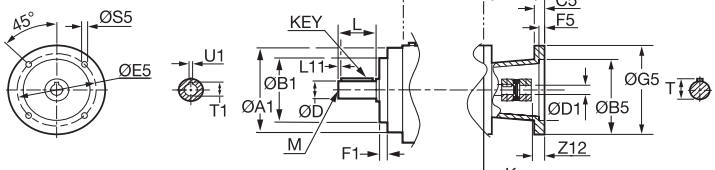
Clamp Collar



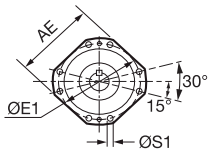
OUTPUT FLANGE TYPE: B5



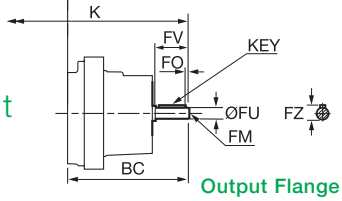
Three-Piece Coupled



OUTPUT FLANGE TYPE: B14



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
70	m6	75	140	15	20 x 12 x 110	M20 x 42

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
90	m6	95	170	15	25 x 14 x 140	M24 x 50

Gearcase

Q	AC	O6	AE	AF	AG	P3	V1
374	143	462	303	364	128	464	250

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
340	240	j6	300	M16 x 22	28

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
350	250	h6	300	17,5	5	20
450	350	h6	400	17,5	5	22

IEC motor adapter-clamp collar

	HF128 2 ST		HF128 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
90D	-	-	454	80	130		165	200	M10	24		27	8	17	5	16	-	180
100D	-	-	461	87	180		215	250	M12	28		31	8	22	5	7	-	182
112D	-	-	464	90	180		215	250	M12	28		31	8	21	5	7	-	184
132D	470	96	504	130	230	H7	265	300	M12	38	F7	41	10	21	5	22	180	191
160D	508	134	545	171	250		300	350	M16	42		45	12	27	6	20	195	202
180D	525	137	562	188	250		300	350	M16	48		52	14	22	6	22	199	211
200D	535	161	572	198	300		350	400	M16	55		59	16	28	6	30	200	212

IEC motor adapter-3-pc coupled

	HF128 2 ST		HF128 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
90D	-	-	561	188	130		165	200	M10	24		27	8	17	5	26	-	188
100D	-	-	583	210	180		215	250	M12	28		31	8	17	5	30	-	193
112D	-	-	577	203	180		215	250	M12	28		31	8	19	5	30	-	195
132D	604	230	638	264	230	H7	265	300	M12	38	H7	41	10	19	5	45	194	205
160D	665	291	702	328	250		300	350	M16	42		45	12	30	6	66	220	227
180D	719	345	756	382	250		300	350	M16	48		52	14	25	6	59	236	249
200D	732	359	757	383	300		350	400	M16	55		59	16	25	5	60	242	255
225D	803	429	-	-	350		400	450	M16	60		64	18	27	6	90	290	-

Free input

	HF128 2 ST		HF128 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
90	-	-	556	182	5	M8 X 19	24		50	27	8 x 7 x 40	-	184
100	-	-	572	198	5	M10 X 22	28		60	31	8 x 7 x 50	-	188
112	-	-	567	193	5	M10 X 22	28		60	31	8 x 7 x 50	-	189
132	617	243	651	277	5	M12 X 28	38	k6	80	41	10 x 8 x 70	190	200
160	655	281	692	318	10	M16 X 36	42		110	45	12 x 8 x 90	204	212
180	679	305	716	342	10	M20 X 42	55		110	59	16 x 10 x 90	210	223
225	736	362	-	-	15	M20 X 42	60		140	64	18 x 11 x 110	239	-

‡ Consult Application Engineering.
* Weights are without oil.
Refer to page 18-20 for oil quantities.

3-Piece coupled weights are without backstop.
Weights are for B14 flange.
B5 flange: 350mm = +9 kg, 450mm = +17 kg.

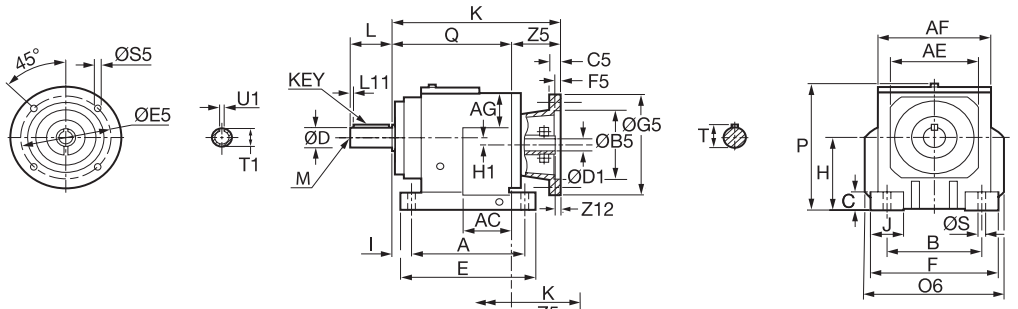
Quantis® reducers

ILH reducer dimensions

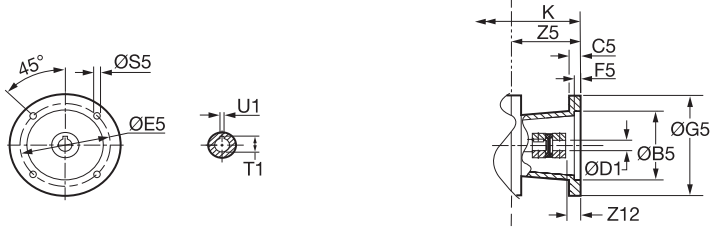
Foot mounted

HB148

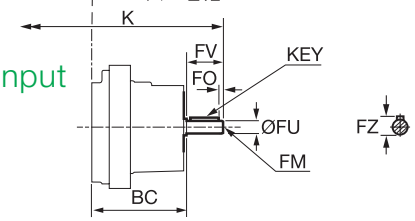
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
90	m6	95	170	15	25 x 14 x 140	M24 x 50

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
100	m6	106	210	15	28 x 16 x 180	M24 x 50

Gearcase

F	AC	O6	AE	AF	AG	E	I	H	B	A	C	Ø S	J	P	Q	H1
450	160	510	300	416	159	490	50	315	340	410	60	33	110	522	411	37

IEC motor adapter-clamp collar

	HB148 2 ST		HB148 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
100D	-	-	493	82	180	H7	215	250	M12	28	F7	31	8	22	5	7	-	297
112D	-	-	498	87	180		215	250	M12	28		31	8	21	5	7	-	297
132D	499	88	537	126	230		265	300	M12	38		41	10	21	5	22	293	304
160D	538	127	576	165	250		300	350	M16	42		45	12	27	6	20	302	314
180D	554	143	592	181	250		300	350	M16	48		52	14	22	6	22	310	322
200D	564	153	602	191	300		350	400	M16	55		59	16	28	6	30	312	324

IEC motor adapter-3-pc coupled

	HB148 2 ST		HB148 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
100D	-	-	615	205	180	H7	215	250	M12	28	H7	31	8	17	5	30	-	307
112D	-	-	611	200	180		215	250	M12	28		31	8	19	5	30	-	308
132D	633	222	671	260	230		265	300	M12	38		41	10	19	5	45	306	317
160D	695	284	733	322	250		300	350	M16	42		45	12	30	6	66	327	339
180D	748	337	786	375	250		300	350	M16	48		52	14	25	6	59	348	361
200D	749	338	787	376	300		350	400	M16	55		59	16	25	6	60	354	366
225D	833	422	871	460	350		400	450	M16	60		64	18	27	6	90	399	412
250D	837	426	-	-	450		500	550	M16	65		69	18	27	6	75	434	-

Free input

	HB148 2 ST		HB148 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
100	-	-	604	193	5	M10 X 22	28	k6	60	31	8 x 7 x 50	-	302
112	-	-	601	190	5	M10 X 22	28	k6	60	31	8 x 7 x 50	-	302
132	646	235	684	273	5	M12 X 28	38	k6	80	41	10 x 8 x 70	302	313
160	685	274	723	312	10	M16 X 36	42	k6	110	45	12 x 8 x 90	312	323
180	708	297	746	335	10	M20 X 42	55	k6	110	59	16 x 10 x 88	322	335
225	766	355	804	393	15	M20 X 42	60	m6	140	64	18 x 11 109	347	361
250	765	354	-	-	15	M20 X 42	65	m6	140	69	18 x 11 109	356	-

* Weights are without oil.

Refer to page 18-20 for oil quantities.

3 Piece coupled weights are without backstop

Quantis® reducers

ILH reducer dimensions

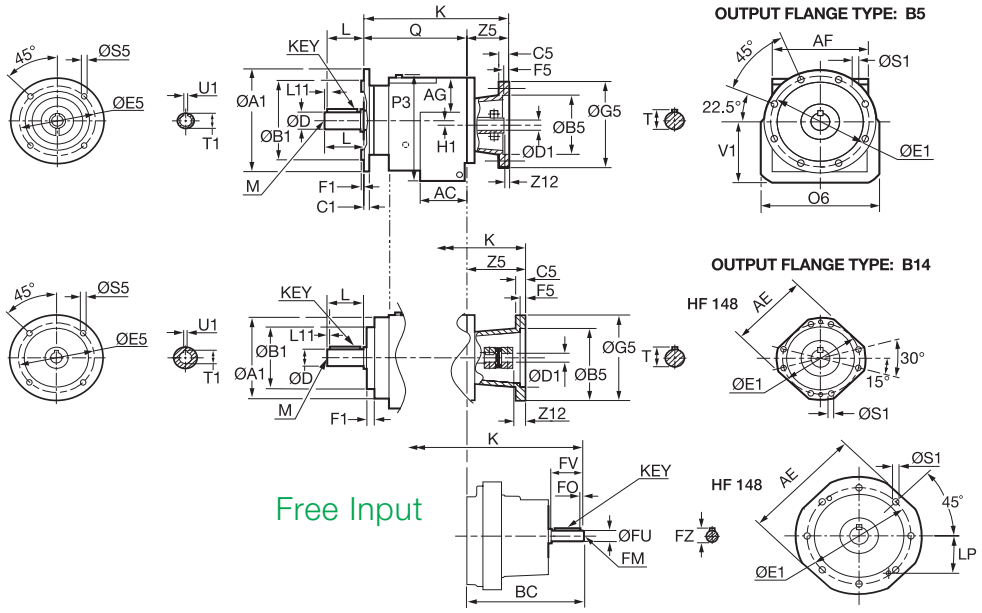
Flange mounted (B5 - B14)

HF148

Clamp Collar

Three-Piece Coupled

Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
90	m6	95	170	15	25 x 14 x 140	M24 x 50

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
100	m6	106	210	15	28 x 16 x 180	M24 x 50

Gearcase

Q	AC	O6	AE	AF	AG	P3	V1
411	160	510	302	416	165	523	317

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
340	240	j6	300	M16 x 22	27

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	17,5	5	22
550	450	h6	500	17,5	5	25

IEC motor adapter-clamp collar

	HB148 2 ST		HB148 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
100D	-	-	493	82	180		215	250	M12	28		31	8	22	5	7	-	273
112D	-	-	498	87	180		215	250	M12	28		31	8	21	5	7	-	274
132D	499	88	537	126	230	H7	265	300	M12	38	F7	41	10	21	5	22	270	281
160D	538	127	576	165	250		300	350	M16	42		45	12	27	6	20	279	291
180D	554	143	592	181	250		300	350	M16	48		52	14	22	6	22	287	299
200D	564	153	602	191	300		350	400	M16	55		59	16	28	6	30	288	300

IEC motor adapter-3-pc coupled

	HB148 2 ST		HF148 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
100D	-	-	616	205	180		215	250	M12	28		31	8	17	5	30	-	283
112D	-	-	611	200	180		215	250	M12	28		31	8	19	5	30	-	284
132D	633	222	671	260	230		265	300	M12	38		41	10	19	5	45	283	293
160D	695	284	733	322	250	H7	300	350	M16	42	H7	45	12	30	6	66	303	315
180D	748	337	786	375	250		300	350	M16	48		52	14	25	6	59	325	337
200D	749	338	787	376	300		350	400	M16	55		59	16	25	6	60	331	343
225D	833	422	871	460	350		400	450	M16	60		64	18	27	6	90	376	389
250D	837	426	-	-	450		500	550	M16	65		69	18	27	6	75	411	-

Free input

	HF148 2 ST		HF148 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	C	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
100	-	-	604	193	5	M10 X 22	28	k6	60	31	8 x 7 x 50	-	278
112	-	-	601	190	5	M10 X 22	28	k6	60	31	8 x 7 x 50	-	279
132	646	235	684	273	5	M12 x 28	38	k6	80	41	10 x 8 x 70	278	289
160	685	274	723	312	10	M16 x 36	42	k6	110	45	12 X 8 X 90	288	300
180	708	297	746	335	10	M20 x 42	55	k6	110	59	16 x 10 x 88	299	311
225	766	355	804	393	15	M20 x 42	60	m6	140	64	18 x 11 x 109	324	337
250	765	354	-	-	15	M20 x 42	65	m6	140	69	18 x 11 x 109	333	-

‡ Consult Application Engineering.
* Weights are without oil.
Refer to page 18-20 for oil quantities.

3-Piece coupled weights are without backstop.
Weights are for B14 flange.
B5 flange: 450mm = +17 kg, 550mm = +28 kg.

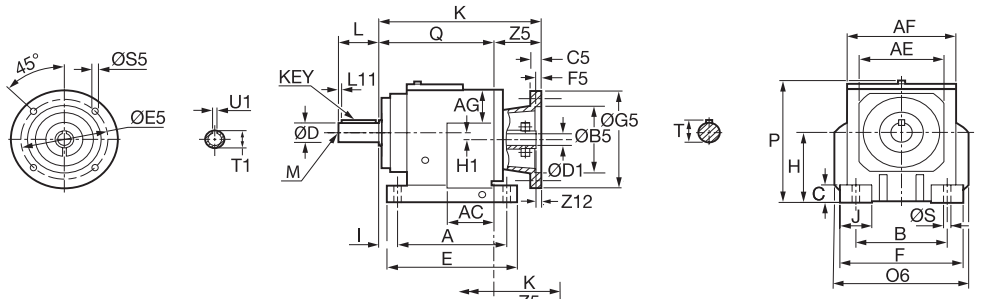
Quantis® reducers

ILH reducer dimensions

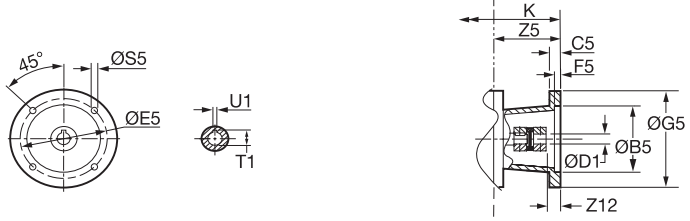
Foot mounted

HB168

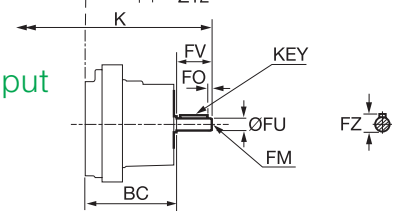
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
100	m6	106	210	15	28 x 16 x 180	M24 x 50

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
120	m6	106	210	15	32 x 18 x 180	M24 x 50

Gearcase

F	AC	O6	AE	AF	AG	E	I	H	B	A	C	Ø S	J	P	Q	H1
530	184,5	580	400	460	194	590	50	355	380	500	65	39	145	608	494	42

IEC motor adapter-clamp collar

	HB168 2 ST		HB168 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
132D	568	74	609	115	230	H7	265	300	M12	38	F7	41	10	21	5	22	459	476
160D	606	112	647	153	250		300	350	M16	42		45	12	27	6	20	467	486
180D	623	129	664	170	250		300	350	M16	48		52	14	22	6	22	475	494
200D	633	139	674	180	300		350	400	M16	55		59	16	20	6	30	476	495

IEC motor adapter-3-pc coupled

	HB168 2 ST		HB168 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
132D	701	207	742	248	230	H7	265	300	M12	38	H7	41	10	19	5	45	472	489
160D	763	269	804	310	250		300	350	M16	42		45	12	30	6	66	492	510
180D	817	323	858	364	250		300	350	M16	48		52	14	25	6	59	513	532
200D	818	324	859	365	300		350	400	M16	55		59	16	25	6	60	519	538
225D	901	407	942	448	350		400	450	M16	60		64	18	27	6	90	563	583
250D	906	412	947	453	450		500	550	M16	65		69	18	27	6	75	599	620

Free input

	HB168 2 ST		HB168 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
132	714	220	755	261	5	M12 X 28	38	k6	80	41	10 x 8 x 70	468	485
160	753	259	794	300	10	M16 X 36	42	k6	110	45	12 x 8 x 90	476	495
180	777	283	818	324	10	M20 X 42	55	k6	110	59	16 x 10 x 88	487	506
225	834	340	875	381	15	M20 X 42	60	m6	140	64	18 x 11 109	512	532
250	834	340	875	381	15	M20 X 42	65	m6	140	69	18 x 11 109	520	541

* Weights are without oil.
Refer to page 18-20 for oil quantities.
3 Piece coupled weights are without backstop

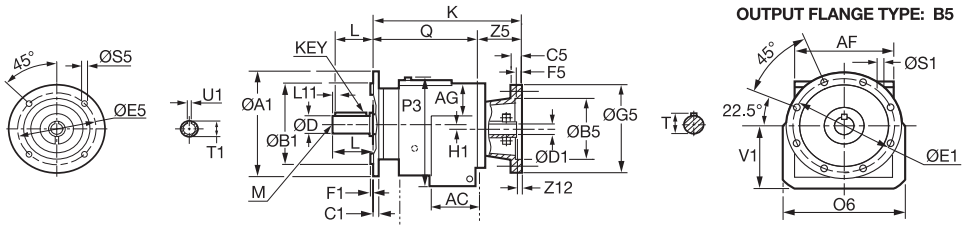
Quantis® reducers

ILH reducer dimensions

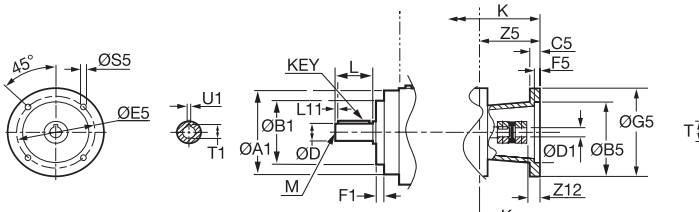
Flange mounted (B5 - B14)

HF168

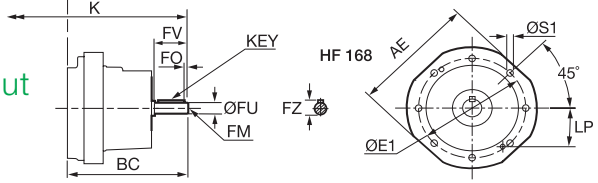
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
100	m6	106	210	15	28 x 16 x 180	M24 x 50

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
120	m6	127	210	15	32 x 18 x 180	M24 x 50

Gearcase

Q	AC	O6	AE	AF	AG	P3	V1
494	185	580	300	470	220	630	358

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
400	300	j6	350	M20 x 34	35

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	17,5	5	31
550	450	h6	500	17,5	5	31

IEC motor adapter-clamp collar

	HB168 2 ST		HB168 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
132D	567	73	609	115	230	H7	265	300	M12	38	F7	41	10	21	5	22	415	433
160D	581	112	647	153	250		300	350	M16	42		45	12	27	6	20	424	443
180D	623	129	664	170	250		300	350	M16	48		52	14	22	6	22	432	451
200D	633	139	674	180	300		350	400	M16	55		59	16	20	6	30	433	452

IEC motor adapter-3-pc coupled

	HF168 2 ST		HB168 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
132D	701	207	742	248	230	H7	265	300	M12	38	H7	41	10	19	5	45	428	446
160D	763	269	804	310	250		300	350	M16	42		45	12	30	6	66	449	467
180D	817	323	858	364	250		300	350	M16	48		52	14	25	6	59	470	489
200D	818	324	859	365	300		350	400	M16	55		59	16	25	6	60	476	495
225D	901	407	942	448	350		400	450	M16	60		64	18	27	6	90	520	540
250D	906	412	947	453	450		500	550	M16	65		69	18	27	6	75	556	576

Free input

	HK168 2 ST		HK168 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
132	714	220	755	261	5	M12 X 28	38	k6	80	41	10 x 8 x 70	424	442
160	753	259	794	300	10	M16 X 36	42	k6	110	45	12 X 8 X 90	433	452
180	777	283	818	324	10	M20 X 42	55	k6	110	59	16 x 10 x 88	444	463
225	834	340	875	381	15	M20 X 42	60	m6	140	64	18 x 11 x 109	469	489
250	834	340	875	381	15	M20 X 42	65	m6	140	69	18 x 11 x 109	477	498

‡ Consult Application Engineering.
* Weights are without oil.
Refer to page 18-20 for oil quantities.

3-Piece coupled weights are without backstop.
Weights are for B14 flange.
B5 flange: 450mm = +17 kg, 550mm = +28 kg.

Quantis® reducers
Thermal ratings

ILH38

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table below. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
4,77	**304,0**	**5,29**	10,4	10,4	10,4	10,4	10,4
5,55	**261,3**	**5,00**	9,9	9,9	9,8	9,8	9,8
6,16	**235,4**	**4,68**	9,3	9,2	9,2	9,2	9,2
6,71	**216,1**	**4,42**	9,3	9,3	9,3	9,3	9,3
7,50	**193,3**	**4,11**	8,8	8,7	8,7	8,7	8,7
7,52	**192,8**	**4,23**	7,4	7,4	7,4	7,4	7,4
8,75	**165,7**	**3,82**	7,6	7,6	7,6	7,6	7,6
9,70	**149,5**	**3,57**	7,1	7,1	7,1	7,1	7,1
10,57	**137,2**	**3,38**	7,2	7,2	7,2	7,2	7,2
11,82	**122,7**	**3,13**	6,8	6,7	6,7	6,7	6,7
12,92	**112,2**	**2,95**	6,5	6,4	6,3	6,4	6,3
14,18	**102,3**	**2,77**	6,1	6,1	6,2	6,2	6,2
15,64	**92,7**	**2,54**	5,8	5,8	5,8	5,8	5,8
17,33	**83,7**	**2,29**	5,5	5,5	5,5	5,5	5,5
19,64	**73,8**	**2,02**	5,3	5,3	5,3	5,3	5,3
21,67	**66,9**	**1,83**	4,9	4,9	4,9	4,9	4,9
24,50	**59,2**	**1,63**	4,5	4,5	4,5	4,5	4,5
27,97	**51,8**	**1,42**	4,6	4,5	4,5	4,5	4,5
31,80	**45,6**	**1,25**	4,1	4,1	4,1	4,1	4,1
34,04	**42,6**	**1,17**	4,0	4,0	4,0	4,0	4,0
39,24	**37,0**	**1,01**	3,7	3,7	3,7	3,7	3,7
44,12	**32,9**	**0,63**	3,4	3,4	3,4	3,4	3,4

ILH Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,78
-6	1,56
4	1,34
15	1,11
20	1,00
26	0,88
37	0,63
48	0,44

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: ILH 38, 10,57:1, 1450 RPM input speed, 100D motor frame at 48 degree C ambient, A4 mounting position:

According to the table above, this unit is capable of 7,2 kW Thermally at 20 degree C. To convert this to the capability at 48 degrees C, multiply the rating by the factor in the Thermal Factors table (0,44). Actual Thermal Rating is 7,2*0,44 = 3,168 kW. The mechanical rating for the ILH 38, 10,57 kW, 100D frame is 4,45 kW. This unit is now thermally limited to a rating of 3,168 kW.

Quantis® reducers
Thermal ratings

ILH48

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table below. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
4,28	**338,8**	**10,21**	24,2	23,8	23,8	23,8	23,8
5,15	**281,6**	**9,47**	22,4	22,0	22,1	22,1	22,1
6,06	**239,3**	**8,05**	21,0	20,7	20,7	20,7	20,7
6,79	**213,5**	**7,19**	20,4	20,2	20,2	20,2	20,2
6,90	**210,1**	**8,13**	15,9	15,6	15,6	15,7	15,6
8,29	**174,9**	**7,21**	16,8	16,1	16,2	16,2	16,2
9,76	**148,6**	**6,47**	15,3	15,3	15,2	15,2	15,2
10,93	**132,7**	**5,99**	14,9	14,8	14,7	14,8	14,7
12,25	**118,4**	**5,55**	14,1	14,0	14,0	14,1	14,1
13,38	**108,4**	**5,23**	13,5	13,5	13,5	13,5	13,5
14,68	**98,8**	**4,91**	13,0	12,9	12,9	13,1	12,9
16,17	**89,7**	**4,60**	12,3	12,2	12,2	12,2	12,2
17,55	**82,6**	**4,35**	11,8	11,8	11,7	11,7	11,7
19,13	**75,8**	**4,10**	11,2	11,2	11,2	11,2	11,2
20,95	**69,2**	**3,85**	10,6	10,6	10,6	10,6	10,6
23,07	**62,9**	**3,52**	10,0	10,0	10,0	10,0	10,0
26,53	**54,7**	**3,07**	9,4	9,4	9,4	9,4	9,4
28,74	**50,5**	**2,83**	9,0	9,0	9,0	9,0	9,0
31,77	**45,6**	**2,56**	8,4	8,3	8,3	8,4	8,3
37,06	**39,1**	**2,19**	7,9	7,9	7,9	7,9	7,9
41,26	**35,1**	**1,97**	7,4	7,4	7,4	7,4	7,4
45,38	**32,0**	**1,79**	6,9	6,9	6,9	6,9	6,9
51,28	**28,3**	**1,38**	6,3	6,3	6,3	6,3	6,3

ILH Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,78
-6	1,56
4	1,34
15	1,11
20	1,00
26	0,88
37	0,63
48	0,44

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: ILH 48, 10,93:1, 1450 RPM input speed, 100D motor frame at 37 degree C ambient, A1 mounting position:

According to the table above, this unit is capable of 14,9 kW Thermally at 20 degree C. To convert this to the capability at 37 degrees C, multiply the rating by the factor in the Thermal Factors table (0,63). Actual Thermal Rating is 14,9*0,63 = 9,387 kW. The mechanical rating for the ILH 48, 10,93 kW, 100D frame is 5,04 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

ILH68

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table below. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
3,49	**415,5**	**19,59**	39,1	37,1	37,0	37,1	37,0
4,22	**343,6**	**18,36**	36,6	35,5	35,6	35,7	35,6
5,06	**286,6**	**17,12**	36,7	36,0	36,0	36,0	36,0
5,93	**244,5**	**14,94**	34,3	33,8	33,8	33,8	33,8
6,72	**215,8**	**18,15**	29,4	28,0	28,4	28,5	28,4
8,11	**178,8**	**16,53**	27,6	26,7	26,8	27,1	26,8
9,73	**149,0**	**14,84**	27,4	26,8	26,9	27,1	26,9
11,40	**127,2**	**12,69**	25,4	25,1	25,2	25,2	25,2
13,59	**106,7**	**10,64**	23,3	23,2	23,2	23,2	23,2
14,74	**98,4**	**9,81**	22,9	22,8	22,8	22,8	22,8
16,45	**88,1**	**8,81**	21,7	21,7	21,6	21,6	21,6
17,82	**81,4**	**8,11**	20,8	20,8	20,8	20,8	20,8
20,20	**71,8**	**7,16**	19,6	19,6	19,5	19,6	19,5
21,76	**66,6**	**6,65**	18,5	18,5	18,5	18,5	18,5
23,53	**61,6**	**6,15**	17,7	17,7	17,7	17,7	17,7
25,55	**56,8**	**5,66**	16,8	16,8	16,8	16,8	16,8
28,25	**51,3**	**5,12**	15,7	15,7	15,7	15,7	15,7
30,60	**47,4**	**4,73**	15,1	15,0	15,0	15,0	15,0
34,49	**42,0**	**4,19**	14,3	14,3	14,3	14,3	14,3
37,76	**38,4**	**3,83**	13,3	13,2	13,2	13,2	13,2
42,06	**34,5**	**3,43**	12,2	12,2	12,2	12,2	12,2
48,09	**30,2**	**2,24**	11,8	11,8	11,8	11,8	11,8

ILH Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,78
-6	1,56
4	1,34
15	1,11
20	1,00
26	0,88
37	0,63
48	0,44

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: ILH 68, 11,40:1, 1450 RPM input speed, 90D motor frame at 48 degree C ambient, A1 mounting position:

According to the table above, this unit is capable of 25,4 HP Thermally at 20 degree C. To convert this to the capability at 48 degrees C, multiply the rating by the factor in the Thermal Factors table (0,44). Actual Thermal Rating is 25,4*0,44 = 11,176 kW. The mechanical rating for the ILH 68, 11,40 kW, 90D frame is 3,09 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

ILH88

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
4,87	**297,7**	**33,43**	70,4	64,4	65,5	66,4	65,5
5,94	**244,1**	**33,43**	65,2	63,4	63,0	63,6	63,0
6,96	**208,3**	**32,72**	60,6	59,0	59,3	61,8	59,3
7,59	**191,0**	**31,74**	53,0	48,9	50,2	50,8	50,2
9,26	**156,6**	**27,49**	49,4	47,4	47,8	48,5	47,8
10,85	**133,6**	**24,65**	46,0	44,7	44,9	45,4	44,9
12,75	**113,7**	**22,16**	45,3	44,6	44,6	44,9	44,6
14,63	**99,1**	**20,30**	42,2	41,7	41,8	42,1	41,8
17,27	**84,0**	**17,59**	38,8	38,7	38,7	38,4	38,7
18,72	**77,5**	**16,23**	37,7	37,4	37,4	37,5	37,4
20,81	**69,7**	**14,59**	35,6	35,4	35,4	35,5	35,4
22,61	**64,1**	**13,43**	34,0	33,5	33,5	33,8	33,5
25,01	**58,0**	**12,14**	32,3	32,1	32,1	32,1	32,1
26,85	**54,0**	**11,31**	30,5	30,4	30,4	30,4	30,4
28,93	**50,1**	**10,50**	29,1	29,1	29,0	29,1	29,0
31,32	**46,3**	**9,69**	27,7	27,5	27,5	27,6	27,5
34,07	**42,6**	**8,91**	26,3	26,3	26,3	26,3	26,3
37,27	**38,9**	**8,15**	24,6	24,6	24,6	24,6	24,6
41,90	**34,6**	**6,76**	23,3	23,2	23,2	23,2	23,2
45,76	**31,7**	**6,25**	21,6	21,5	21,5	21,6	21,5
50,73	**28,6**	**4,10**	20,0	19,9	19,9	20,0	19,9

ILH Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,78
-6	1,56
4	1,34
15	1,11
20	1,00
26	0,88
37	0,63
48	0,44

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: ILH 88, 4,87:1, 1450 RPM input speed, 132D motor frame at 4 degree C ambient, A2 mounting position:

According to the table above, this unit is capable of 64,4 kW Thermally at 20 degree C. To convert this to the capability at 4 degrees C, multiply the rating by the factor in the Thermal Factors table (1,34). Actual Thermal Rating is 64,4*1,34 = 86,296 kW. The mechanical rating for the ILH 88, 4,87 kW, 132D frame is 18,64 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

ILH108

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table below. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
5,51	**263,2**	**55,56**	96,0	83,0	85,6	88,0	85,4
6,41	**226,2**	**49,62**	92,5	84,1	86,5	87,7	85,2
7,10	**204,2**	**45,88**	90,7	84,7	86,5	87,2	85,4
8,27	**175,3**	**67,75**	**67,4**	**58,2**	**60,5**	**62,4**	**59,9**
9,62	**150,7**	**58,25**	65,2	59,2	61,2	62,1	60,1
10,67	**135,9**	**52,51**	64,1	59,8	61,3	61,9	60,3
12,68	**114,4**	**44,19**	60,7	58,5	59,6	59,6	58,4
14,63	**99,1**	**38,30**	57,2	55,8	56,5	56,5	55,7
17,19	**84,4**	**32,60**	56,1	55,2	55,8	55,7	55,2
19,48	**74,4**	**28,77**	52,8	52,2	52,6	52,4	52,1
22,86	**63,4**	**24,51**	48,5	48,2	48,4	48,3	48,1
24,94	**58,1**	**22,47**	47,1	46,8	46,9	46,9	46,7
27,20	**53,3**	**20,56**	45,1	44,8	45,0	44,9	44,8
29,35	**49,4**	**19,09**	43,1	42,9	43,0	43,0	42,9
32,81	**44,2**	**17,08**	40,7	40,6	40,6	40,7	40,6
35,14	**41,3**	**15,95**	38,8	38,7	38,8	38,8	38,6
37,79	**38,4**	**14,83**	37,0	36,8	36,9	36,9	36,8
40,82	**35,5**	**13,72**	35,2	35,1	35,2	35,2	35,1
44,31	**32,7**	**12,64**	33,5	33,5	33,5	33,5	33,4
48,38	**30,0**	**11,58**	31,6	31,6	31,6	31,6	31,6

ILH Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,78
-6	1,56
4	1,34
15	1,11
20	1,00
26	0,88
37	0,63
48	0,44

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: ILH 108, 19,48:1, 1450 RPM input speed, 112D motor frame at 26 degree C ambient, A6 mounting position:

According to the table above, this unit is capable of 52,1 kW Thermally at 20 degree C. To convert this to the capability at 26 degrees C, multiply the rating by the factor in the Thermal Factors table (0,88). Actual Thermal Rating is 52,1*0,88 = 45,848 kW. The mechanical rating for the ILH 108, 19,48 kW, 112D frame is 8,57 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

ILH128

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
3,63	**399,4**	**100,00**	148,9	**95,4**	102,7	108,5	102,7
4,83	**300,2**	**92,92**	141,6	112,1	118,2	124,2	118,2
5,59	**259,4**	**84,30**	143,2	126,4	128,6	133,2	128,6
5,93	**244,5**	**100,01**	100,6	**64,4**	**72,2**	**78,3**	**72,2**
7,88	**184,0**	**93,06**	95,9	**76,1**	**80,6**	**85,7**	**80,6**
9,13	**158,8**	**85,77**	96,9	**85,3**	87,2	91,2	87,2
10,78	**134,5**	**77,19**	90,8	83,5	84,3	87,5	84,3
12,03	**120,5**	**70,87**	88,1	82,8	83,3	85,7	83,3
14,06	**103,1**	**62,58**	83,5	80,5	80,5	82,2	80,5
16,12	**90,0**	**55,99**	78,7	76,7	76,6	77,9	76,6
18,64	**77,8**	**49,45**	73,3	71,9	71,9	72,7	71,9
19,35	**74,9**	**47,64**	75,6	74,6	74,4	75,2	74,4
21,41	**67,7**	**43,06**	71,7	70,9	70,8	71,3	70,8
25,05	**57,9**	**36,80**	65,8	65,2	65,2	65,5	65,2
27,13	**53,4**	**33,98**	63,7	63,3	63,3	63,5	63,3
30,28	**47,9**	**30,44**	59,8	59,4	59,4	59,6	59,4
32,11	**45,2**	**28,71**	57,7	57,5	57,5	57,7	57,5
36,39	**39,8**	**20,90**	53,6	53,4	53,4	53,5	53,4
38,94	**37,2**	**19,74**	51,1	50,9	50,9	51,0	50,9
40,96	**35,4**	**14,53**	49,6	49,5	49,5	49,6	49,5

ILH Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,78
-6	1,56
4	1,34
15	1,11
20	1,00
26	0,88
37	0,63
48	0,44

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: ILH 128, 12,03:1, 1450 RPM input speed, 160D motor frame at 37 degree C ambient, A1 mounting position:

According to the table above, this unit is capable of 28,08 kW Thermally at 20 degree C. To convert this to the capability at 37 degrees C, multiply the rating by the factor in the Thermal Factors table (0,63). Actual Thermal Rating is 28,08*0,63 = 17,69 kW. The mechanical rating for the ILH 128, 12,03 kW, 160D frame is 28,085 kW. This unit is now thermally limited to 17,69 kW.

Quantis® reducers
Thermal ratings

ILH148

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
4,92	**294,7**	**106,46**	193,1	125,2	130,2	136,7	130,2
6,43	**225,5**	**92,44**	186,5	146,6	152,8	160,3	152,8
7,57	**191,5**	**84,02**	184,2	161,7	163,5	170,2	163,5
8,79	**165,0**	**106,40**	120,0	**78,8**	**86,1**	**96,2**	**86,1**
11,48	**126,3**	**92,45**	122,8	98,0	102,6	111,0	102,6
13,52	**107,2**	**84,01**	121,9	107,4	109,2	115,5	109,2
15,51	**93,5**	**77,09**	117,0	107,0	107,8	112,8	107,8
17,09	**84,8**	**72,37**	115,0	107,7	108,0	112,0	108,0
20,21	**71,7**	**64,50**	108,0	103,9	103,8	106,5	103,8
23,04	**62,9**	**58,69**	102,2	99,2	99,2	101,1	99,2
26,49	**54,7**	**52,88**	95,5	93,6	93,6	94,8	93,6
30,28	**47,9**	**47,67**	93,8	92,7	92,6	93,4	92,6
35,09	**41,3**	**41,21**	86,7	85,9	85,8	86,3	85,8
38,23	**37,9**	**37,83**	83,8	83,3	83,2	83,6	83,2
42,59	**34,0**	**33,95**	78,9	78,5	78,3	78,7	78,3
45,11	**32,1**	**32,05**	76,3	75,8	75,8	76,1	75,8

ILH Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,78
-6	1,56
4	1,34
15	1,11
20	1,00
26	0,88
37	0,63
48	0,44

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: ILH 148, 15,51:1, 1450 RPM input speed, 225D motor frame at 15 degree C ambient, A4 mounting position:

According to the table above, this unit is capable of 115,5 kW Thermally at 20 degree C. To convert this to the capability at 15 degrees C, multiply the rating by the factor in the Thermal Factors table (1,11). Actual Thermal Rating is 115,5*1,11 = 128,21 kW. The mechanical rating for the ILH 148, 15,51 kW, 225D frame is 65,85 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

ILH168

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
4,93	**294,1**	**116,71**	284,0	173,4	181,7	188,3	181,7
6,20	**233,9**	**106,73**	283,8	196,3	206,5	223,3	206,5
8,21	**176,6**	**116,80**	191,9	**116,4**	124,2	133,0	124,2
10,34	**140,2**	**106,66**	191,4	133,6	142,4	158,7	142,4
13,27	**109,3**	**92,67**	183,9	153,1	156,8	168,4	156,8
15,44	**93,9**	**84,37**	181,7	163,5	164,5	173,1	164,5
17,60	**82,4**	**77,48**	174,4	162,0	162,1	168,8	162,1
19,30	**75,1**	**72,77**	170,9	161,5	161,4	166,4	161,4
23,26	**62,3**	**63,69**	158,4	153,6	153,2	156,4	153,2
25,84	**56,1**	**58,87**	150,5	147,0	146,4	148,8	146,4
29,27	**49,5**	**53,49**	140,9	138,6	138,1	139,8	138,1
33,88	**42,8**	**47,63**	130,7	129,2	128,8	129,8	128,8
39,45	**36,8**	**42,06**	118,1	117,2	116,9	117,7	116,9
42,09	**34,4**	**39,61**	114,1	113,4	113,2	113,8	113,2
46,61	**31,1**	**37,91**	113,1	112,6	112,3	112,8	112,3

ILH Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,78
-6	1,56
4	1,34
15	1,11
20	1,00
26	0,88
37	0,63
48	0,44

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: ILH 128, 12,03:1, 1450 RPM input speed, 160D motor frame at 37 degree C ambient, A1 mounting position:

According to the table above, this unit is capable of 28,08 kW Thermally at 20 degree C. To convert this to the capability at 37 degrees C, multiply the rating by the factor in the Thermal Factors table (0,63). Actual Thermal Rating is 28,08*0,63 = 17,69 kW. The mechanical rating for the ILH 128, 12,03 kW, 160D frame is 28,085 kW. This unit is now thermally limited to 17,69 kW.

Quantis® reducers

RHB Nomenclature

Example reducer

1	2	3	4	5	5a	6	7 [a/b]		8	9	9a	10	10a	10b	11	11a	12
B	B	38	3	C	-	I	80D	/	9,72	A1	B	S	M	25	-	-	-
B	F	38	3	S	M	-	71	/	9,72	A1	B	S	M	25	B5	160	-

1 Product Series – B = RHB

2 Output Configuration
B = Foot Mounted
F = Flange Mounted

3 Unit Size – 38, 48, 68, 88, 108, 128, 148 and 168

4 Reduction Stage
3 = Triple

5 Input Configuration
C = Clamp Collar
L = 3 Piece Coupled
S = Free input

5a M = Metric (for free input only)

6 Motor Type
I = IEC
blank, if 5 = SM → go to 7b

7a **Motor Frame**
(for Reducers)

71D	112D	200D
80D	160D	225D
90D	160D	250D

7b Free input group
71, 80, 90, 100, 112, 132, 160, 180, 225, 250

8 Ratios

ILH38	4,77 - 191,75
ILH48	4,28 - 208,77
ILH68	3,49 - 281,01
ILH88	4,87 - 300,41
ILH108	5,51 - 359,30
ILH128	3,63 - 268,11
ILH148	4,92 - 336,11
ILH168	4,93 - 341,61

9 Mounting Position (Pages 86-88)

A1	A2	A3
A4	A5	A6

9a Output Shaft Position
A, B, AB

10 Output Shaft Type
S = Single Extension Solid Shaft
D = Double Extension Solid Shaft
H = Straight Hollow Bore
C = Shrink disc
T = Twin Tapered Hollow Bore

10a Output Shaft Dimension
M = Metric

10b Output Shaft Diameter

Single Extension Solid Shaft

	Std	Optional
RHB 38	25 mm	35 mm
RHB 48	30 mm	40 mm
RHB 68	40 mm	50 mm
RHB 88	50 mm	70 mm
RHB 108	60 mm	80 mm
RHB 128	70 mm	90 mm
RHB 148	90 mm	100 mm
RHB 168	110 mm	120 mm

Straight Hollow Bore

	Std	Optional
RHB 38	30 mm	
RHB 48	35 mm	
RHB 68	40 mm	45 mm
RHB 88	50 mm	60 mm
RHB 108	60 mm	70 mm
RHB 128	70 mm	80 mm
RHB 148	80 mm	90 mm
RHB 168	100 mm	110 mm

Shrink Disc

RHB 38	30 mm
RHB 48	40 mm
RHB 68	50 mm
RHB 88	60 mm
RHB 108	70 mm
RHB 128	80 mm
RHB 148	95 mm
RHB 168	105 mm

Tapered Hollow
(See pages 163-170)

11 Output Flange Type – B5, B14

11a Output Flange Diameter

	B5 Flange	B14 Flange
RHB 38	160 mm	120 mm
RHB 48	200 mm	132 mm
RHB 68	250 mm	150 mm
RHB 88	300 mm	190 mm
RHB 108	350 mm	245 mm
RHB 128	450 mm	295 mm
RHB 148	450 mm	335 mm
RHB 168	550 mm	400 mm

12 Torque Arm Option
K = Torque Arm Kit
KR = Tie Rod Kit

13 Screw Conveyor Drive
(See pages 171-176)
(RHB 38 - 128 BF Style Housing)
SCS = Screw Conveyor with Drive Shaft
SCN = Screw Conveyor – No Drive Shaft

13a Screw Conveyor Drive Shaft Diameter

RHB 38	1,50" 38 mm	2,00" 51 mm	2,4375" 62 mm	
RHB 48	1,50" 38 mm	2,00" 51 mm	2,4375" 62 mm	
RHB 68	1,50" 38 mm	2,00" 51 mm	2,4375" 62 mm	3,00" 76 mm
RHB 88	2,00" 51 mm	2,4375" 62 mm	3,00" 76 mm	
RHB 108	2,00" 51 mm	2,4375" 62 mm	3,00" 76 mm	3,4375" 87 mm
RHB 128	2,00" 51 mm	2,4375" 62 mm	3,00" 76 mm	3,4375" 87 mm

13b Screw Conveyor Adapter
S = Standard
XT = Harsh Duty

Refer to CA1603 for inch and NEMA options.

Quantis® reducers

RHB Mounting positions – Right angle helical bevel B5 flanged reducers

These mounting arrangements are for all output configurations and output shaft types. **Important! When ordering, please specify mounting position for correct oil quantity.** In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

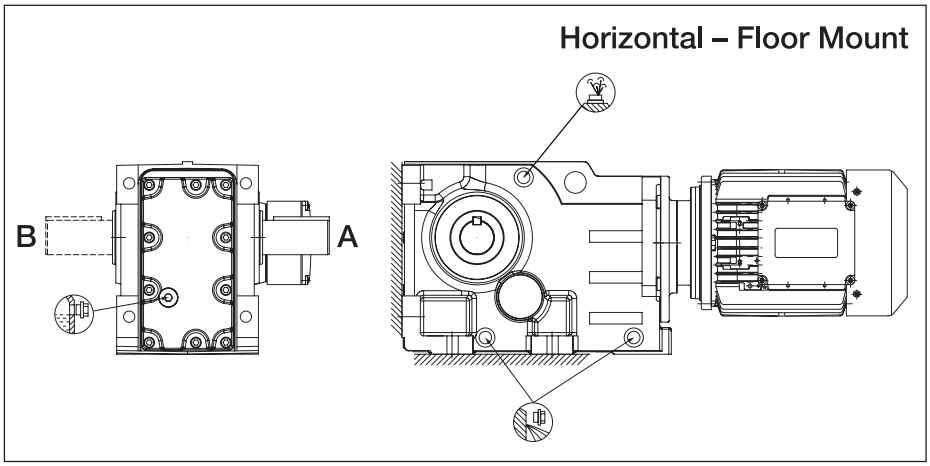
NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **Always** fill the reducer to the correct oil level plug and recheck in one week.

Oil level Ventilation Oil drain

A1

Unit size	Reduction stage	Pints	Liters
38	3	1,0	0,5
48	3	1,5	0,7
68	3	2,7	1,3
88	3	4,7	2,2
108	3	11,7	5,5
128	3	17,5	8,3
148	3	31,2	14,8
168	3	45,8	21,7

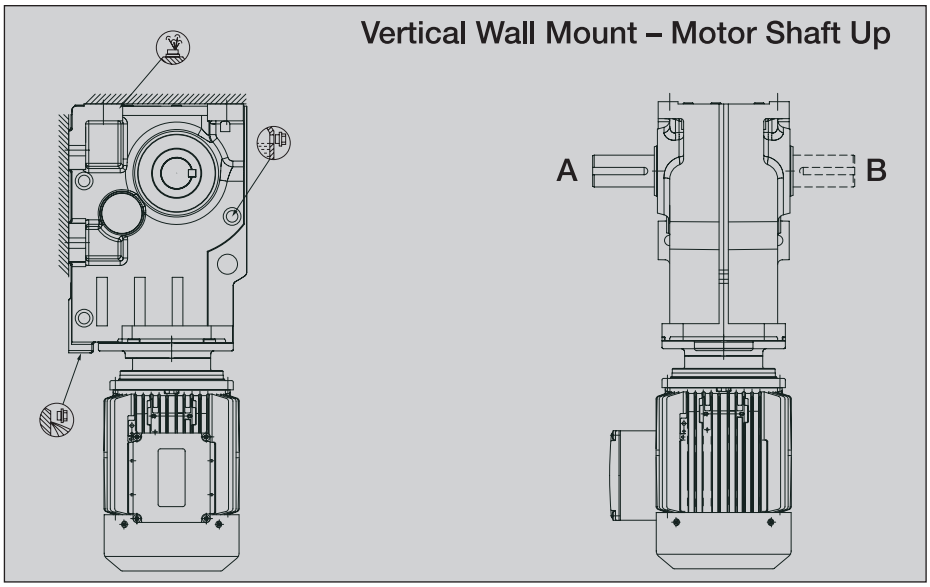
A1



A2

Unit size	Reduction stage	Pints	Liters
38	3	1,8	0,8
48	3	2,5	1,2
68	3	5,1	2,4
88	3	9,7	4,6
108	3	17,6	8,3
128	3	31,2	14,8
148	3	47,3	22,4
168	3	73,6	34,8

A2



RHB 38 units are sealed for life and are furnished with only one plug for filling and draining.

Note: Shaded A2 Mounting is not a recommended mounting position due to the weight of oil on the high speed input seal.

Quantis® reducers

RHB Mounting positions – Right angle helical bevel B5 flanged reducers

These mounting arrangements are for all output configurations and output shaft types. **Important! When ordering, please specify mounting position for correct oil quantity.** In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

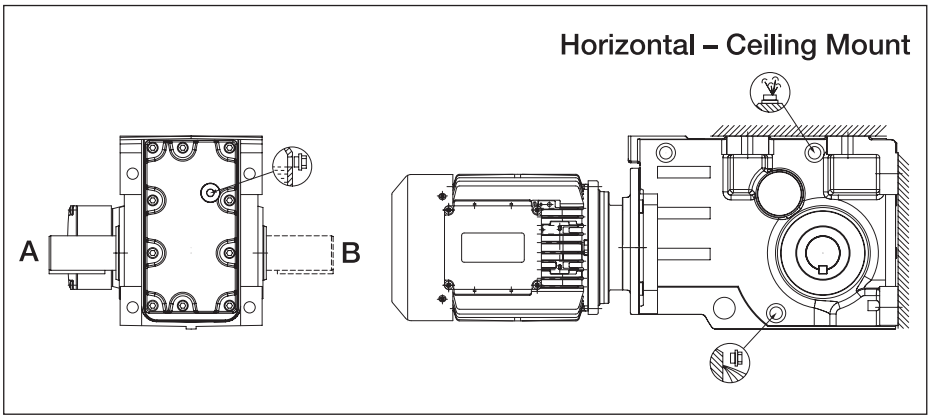
NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **Always** fill the reducer to the correct oil level plug and recheck in one week.

Oil level Ventilation Oil drain

A3

Unit size	Reduction stage	Pints	Liters
38	3	2,3	1,1
48	3	3,6	1,7
68	3	6,2	2,9
88	3	12,8	6,1
108	3	20,9	9,9
128	3	41,4	19,6
148	3	63,7	30,2
168	3	97,8	46,3

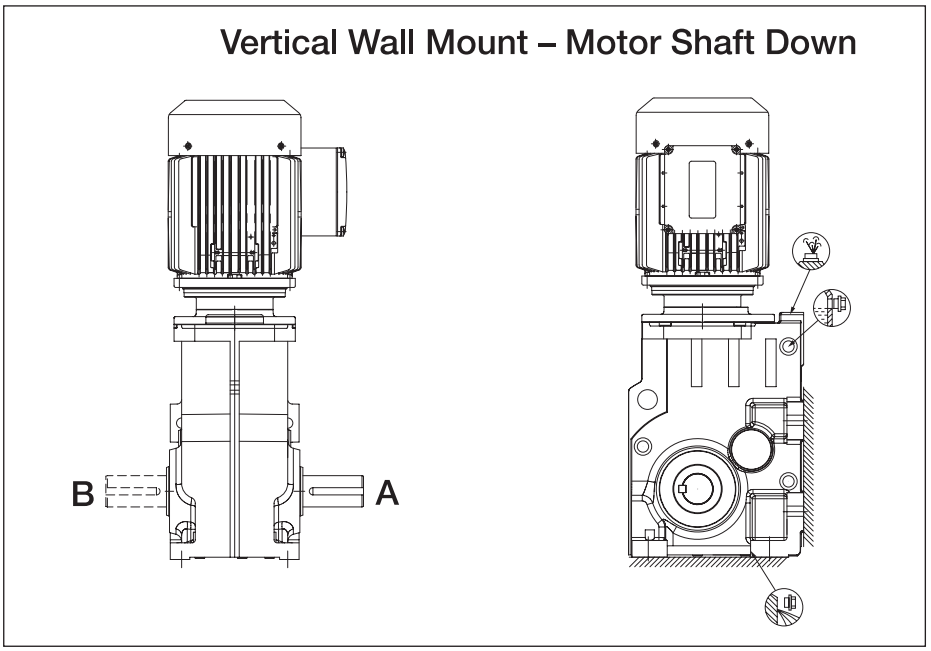
A3



A4

Unit size	Reduction stage	Pints	Liters
38	3	3,1	1,5
48	3	4,9	2,3
68	3	8,2	3,9
88	3	16,3	7,7
108	3	29,3	13,9
128	3	53,7	25,4
148	3	86,7	41,0
168	3	132,3	62,6

A4



RHB 38 units are sealed for life and are furnished with only one plug for filling and draining.

Quantis® reducers

RHB Mounting positions – Right angle helical bevel B5 flanged reducers

These mounting arrangements are for all output configurations and output shaft types. **Important! When ordering, please specify mounting position for correct oil quantity.** In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

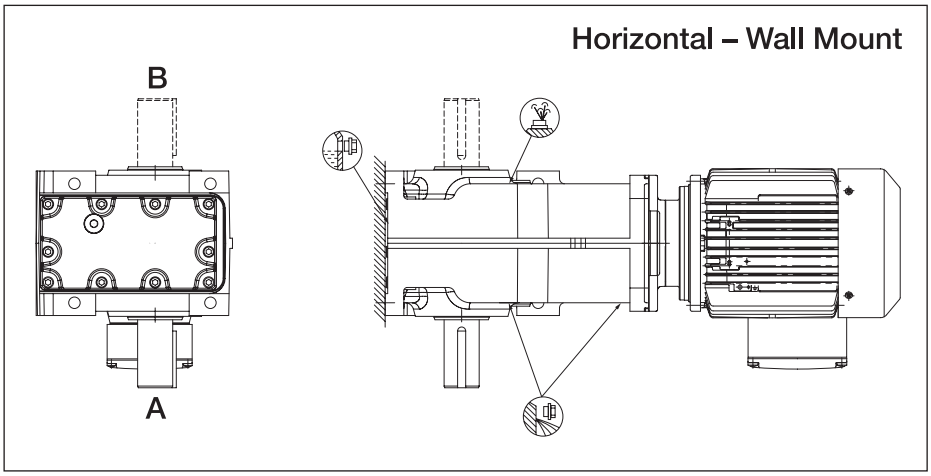
NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **Always** fill the reducer to the correct oil level plug and recheck in one week.

Oil level Ventilation Oil drain

A5

Unit size	Reduction stage	Pints	Liters
38	3	2,1	1,0
48	3	3,3	1,6
68	3	5,9	2,8
88	3	10,7	5,1
108	3	19,7	9,3
128	3	36,9	17,6
148	3	54,9	26,0
168	3	86,9	41,1

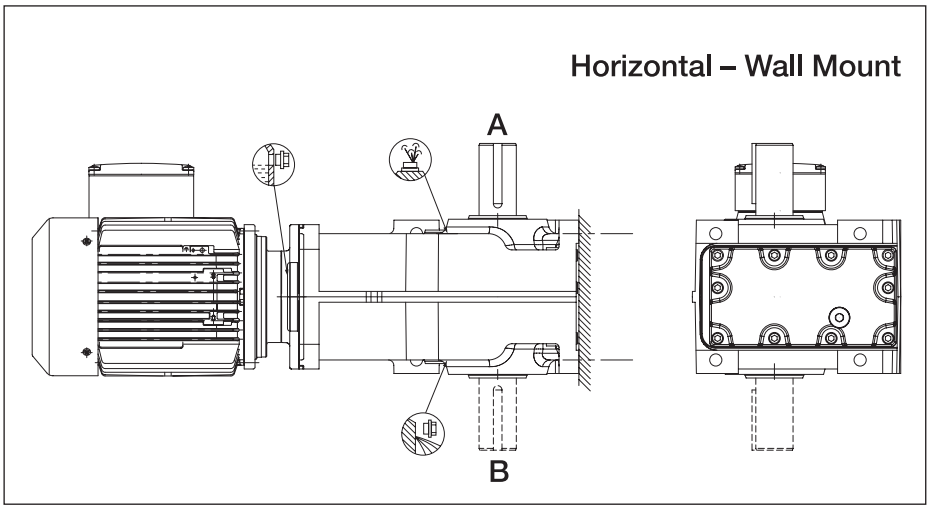
A5



A6

Unit size	Reduction stage	Pints	Liters
38	3	1,9	0,9
48	3	3,8	1,8
68	3	5,7	2,7
88	3	9,8	4,6
108	3	18,9	8,9
128	3	35,1	16,6
148	3	59,4	28,1
168	3	83,4	39,4

A6



RHB 38 units are sealed for life and are furnished with only one plug for filling and draining.

Quantis® reducers
RHB lubrication

RHB Reducers are furnished with oil level, drain and fill plugs. Before starting operations the fill plug must be replaced with the separately supplied breather plug.

Speed reducers are shipped with their lubricant quantity. **Therefore the mounting position must be given with the order.**

The standard factory filled lubricant is mineral oil ISO 220. The lubricants listed below show alternatives. This is not an exclusive recommendation and equivalent lubricants of other manufacturers can be used.

Do not mix oils of different types or manufacturers under any circumstances.

Lubricant selection table

At ambient temperature °C	Marking according to DIN 51502	Examples of lubricants									
		ARAL	BP	DEA	Esso	FUCHS	Klüber Lubrication	Mobil	Shell	Tribol	Optimol
0 ... +40	Oil CLP ISOVG220	Degol BG220	Energol GR-XP220	Falcon CLP220	SPARTAN EP220	Renolin CLP220	Klüberoil GEM 1 220	Mobilgear 630	OMALA OIL 220	TRIBOL 1100 ISO220	Optigear BM220
-15 ... +25	Oil CLP ISOVG100	Degol BG100	Energol GR-XP100	Falcon CLP100	SPARTAN EP100	Renolin CLP100	Klüberoil GEM 1 100	Mobilgear 627	OMALA OIL 100	TRIBOL 1100 ISO100	Optigear BM100
-35 ... +80	Oil PGLP ISOVG220	Degol GS220	Enersyn SG-XP 220	Polydea PGLP220	GLYCOLU BE 220	Renodiol PGP220	Klüber-synth GH 6-220	Glygoyle 30	TIVELA OIL WB	TRIBOL 800/220	Optiflex A220

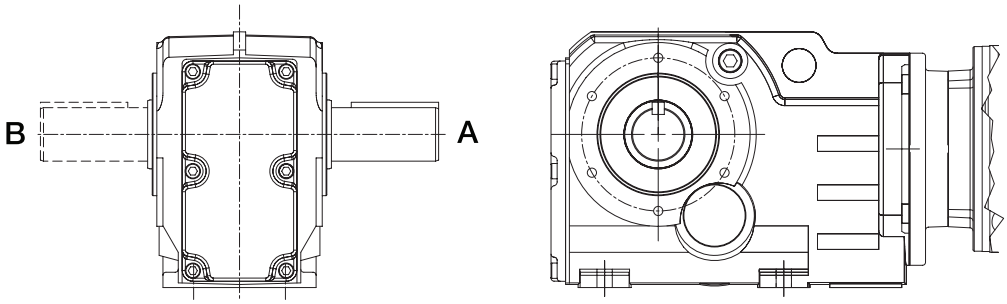
Refer to page 12 for additional lubrication information.

Quantis® reducers

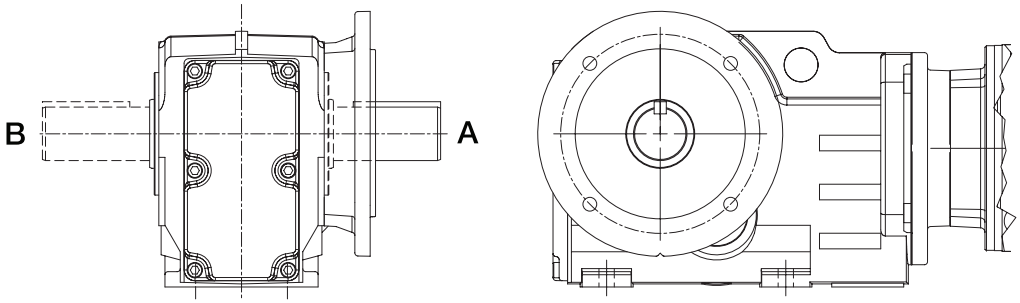
RHB Mounting positions – Flange positions

RHB flanged housings are specified by part numbers beginning with BF. All flanged housings have a B14 flange with drilled and tapped holes machined into the housing on **both sides**. The B5 flange is an optional flange that can be bolted onto the B14 flange on either side of the housing. The B5 flange can not be used in combination with the tapered hollow bore output shaft due to the flange interfering with the twin tapered bushings. Flanged housings also have four drilled and tapped holes on the bottom of the reducer which are required for the optional tie rod kit or torque arm bracket.

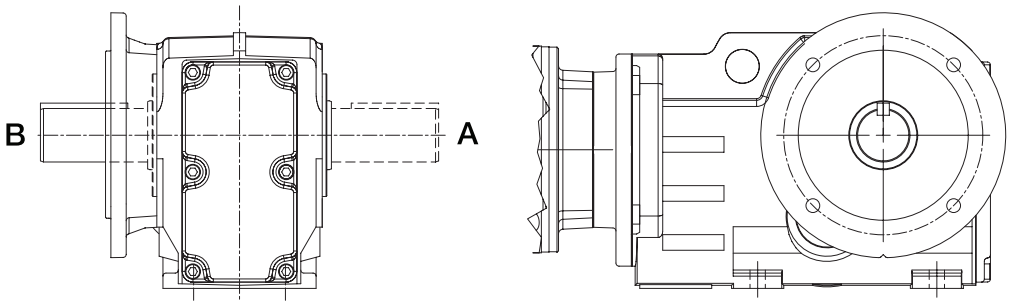
B14 OUTPUT FLANGE – BOTH A AND B SIDE



OPTICAL B5 OUTPUT FLANGE – A SIDE



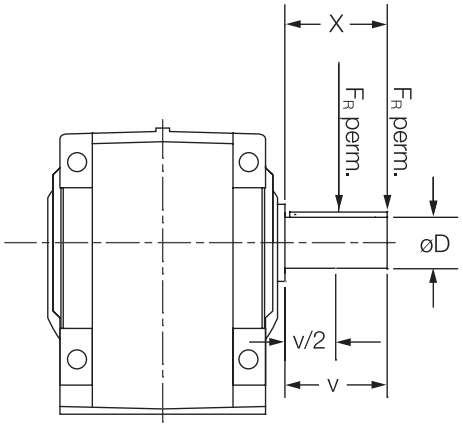
OPTIONAL B5 OUTPUT FLANGE – B SIDE



Quantis® reducers

Right Angle Helical Bevel (RHB) Overhung Loads F_R
Solid output shaft

Permissible Overhung Loads F_R at Service Factor 1.0 for RHB B5 flanged reducers with solid output shaft*



$F_{R\,perm.}$ [N] for x = v/2 for output speed n_2 in min^{-1} **

Typ(e)	y [mm]	z [mm]	a [mm]	d [mm]	v [mm]	n2 ≤ 16 [min-1]	n2 ≤ 25 [min-1]	n2 ≤ 40 [min-1]	n2 ≤ 63 [min-1]	n2 ≤ 100 [min-1]	n2 ≤ 160 [min-1]	n2 ≤ 250 [min-1]	n2 ≤ 400 [min-1]
B_38	**122**	**97**	**157**	**25**	**50**	**7696**	**6357**	**5116**	**4119**	**3230**	**2745**	**2758**	**2620**
	132	97	196	35	70	7113	5875	4728	3807	2985	2537	2549	2422
B_48	**151**	**121**	**251**	**30**	**60**	**10761**	**8821**	**7077**	**5632**	**5111**	**4938**	**4591**	**4159**
	161	121	308	40	80	10092	8273	6638	5282	4794	4631	4306	3901
B_68	**190**	**150**	**445**	**40**	**80**	**28941**	**24773**	**20983**	**18230**	**16766**	**15120**	**13559**	**12002**
	200	150	681	50	100	27355	23416	19833	17231	15847	14292	12816	11344
B_88	**225**	**175**	**1004**	**50**	**100**	**48648**	**41628**	**35200**	**29902**	**27580**	**25058**	**22567**	**20040**
	245	175	1731	70	140	44333	37936	32078	27250	25134	22835	20565	18263
B_108	**262**	**202**	**1491**	**60**	**120**	**59324**	**50383**	**42264**	**36459**	**34199**	**31343**	**29367**	**25280**
	287	202	2764	80	170	54734	46484	38994	33638	31553	28918	26173	23324
B_128	**330**	**260**	**2151**	**70**	**140**	**99422**	**84991**	**71882**	**60725**	**54902**	**50440**	**45738**	**40859**
	350	260	3422	90	170	93275	79737	67438	56971	51508	47322	42911	38333
B_148	**398**	**308**	**5215**	**90**	**170**	**95111**	**80227**	**66708**	**55876**	**53163**	**49653**	**45578**	**40956**
	408	308	4536	100	210	92598	78107	64946	54400	51758	48341	44374	39874
B_168	**472**	**362**	**9271**	**110**	**210**	**145832**	**123630**	**103483**	**86401**	**78323**	**73692**	**67963**	**61272**
	482	362	7204	120	210	142547	120845	101152	84455	76559	72032	66432	59892

Heavy Duty bearings are standard on size 68 and above. Heavy Duty bearings are not available for size 38 and 48.

bold = standard shaft

Permissible Overhung Loads (OHL) at Service Factor 1.0

1. Calculation based on bearing life

$$F_{x\,perm.1} = F_{R\,perm.} \frac{y}{z + x} \quad [N]$$

2. Calculation based on shaft strength

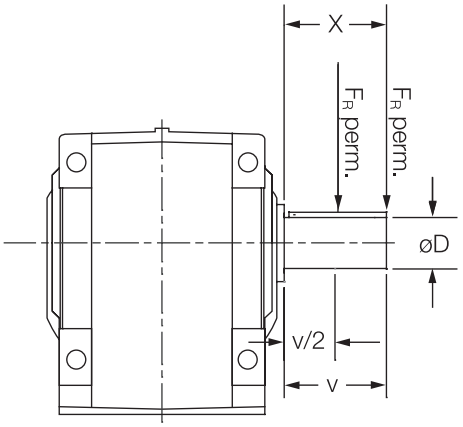
$$F_{x\,perm.2} = \frac{a}{b + x} \quad [kN]$$

The lower $F_{x\,perm.}$ of the two calculation results is the permissible overhung load. If values on tables are not sufficient for requirement, please consult Application Engineering. Higher overhung loads are permitted under certain load conditions. The dimension x is the distance from the shaft shoulder to the point where the load ($F_{x\,perm.}$) is applied.

Quantis® reducers

Right Angle Helical Bevel (RHB) Overhung Loads F_R
Hollow output shaft

Permissible Overhung Loads F_R at Service Factor 1.0 for RHB B5 flanged reducers with hollow output shaft*



$F_{R\,perm.}$ [N] for x = v/2 for output speed n_2 in min^{-1} **

Typ(e)	y [mm]	z [mm]	d [mm]	v [mm]	n2 ≤ 16 [min-1]	n2 ≤ 25 [min-1]	n2 ≤ 40 [min-1]	n2 ≤ 63 [min-1]	n2 ≤ 100 [min-1]	n2 ≤ 160 [min-1]	n2 ≤ 250 [min-1]	n2 ≤ 400 [min-1]
B_38	**132**	**97**	**30**	**70**	**7695**	**6357**	**5115**	**4119**	**3229**	**2745**	**2758**	**2620**
B_48	**151**	**121**	**35**	**70**	**10760**	**8821**	**7077**	**5631**	**5111**	**4938**	**4591**	**4159**
B_68	**190**	**150**	**40**	**80**	**10476**	**8327**	**6437**	**5378**	**5583**	**5400**	**5022**	**4542**
	200	150	45	100	9951	7909	6116	5111	5302	5129	4773	4315
B_68 **HD**	**190**	**150**	**40**	**80**	**28940**	**24772**	**20982**	**18229**	**16765**	**15119**	**13558**	**12001**
	200	150	45	100	27357	23402	19835	17228	15845	14292	12815	11343
B_88	**225**	**175**	**50**	**100**	**16067**	**12731**	**9684**	**7300**	**7891**	**7931**	**7544**	**6921**
	245	175	60	140	14755	11690	8892	6703	7246	7282	6930	6357
B_88 **HD**	**225**	**175**	**50**	**100**	**48646**	**41626**	**35199**	**29901**	**27579**	**25057**	**22566**	**20039**
	245	175	60	140	44331	37934	32076	27250	25132	22833	20564	18260
B_108	**272**	**202**	**60**	**140**	**59321**	**50381**	**42263**	**36458**	**34198**	**31342**	**28366**	**25279**
	287	202	70	170	54731	46484	38993	33637	31551	28918	26173	23322
B_128	**345**	**260**	**70**	**170**	**99418**	**84988**	**71879**	**60723**	**54900**	**50438**	**45737**	**40857**
	345	260	80	170	93270	79734	67435	56968	51506	47320	42908	38330
B_148	**393**	**308**	**80**	**170**	**95107**	**80224**	**66706**	**55874**	**53161**	**49651**	**45576**	**40955**
	413	308	90	210	92594	78106	64944	54397	51755	48339	44371	39874
B_168	**467**	**362**	**100**	**210**	**145826**	**123625**	**103479**	**86398**	**78320**	**73689**	**67960**	**61270**
	467	362	110	210	142543	120840	101148	84454	76514	72030	66430	59891

Heavy Duty bearings are standard on size 68 and above. Heavy Duty bearings are not available for size 38 and 48.

bold = standard shaft

Permissible Overhung Loads (OHL) at Service Factor 1.0

1. Calculation based on bearing life

$$F_{x\ perm.1} = F_{R\ perm.} \frac{y}{z + x} \quad [N]$$

2. Calculation based on shaft strength

$$F_{x\ perm.2} = \frac{a}{b + x} \quad [kN]$$

The lower $F_{x\ perm.}$ of the two calculation results is the permissible overhung load. If values on tables are not sufficient for requirement, please consult Application Engineering. Higher overhung loads are permitted under certain load conditions. The dimension x is the distance from the shaft shoulder to the point where the load ($F_{x\ perm.}$) is applied.

Quantis® reducers
RHB B5 flange gearmotor selection

P_{Mot} = Rated Power of Motor
$n_{2(50)}$ = Output speed at 1450 RPM (50Hz)
$n_{2(60)}$ = Output speed at 1750 RPM (60Hz)
(i) = Ratio of gear
F_R = Overhung Load *
T_2 = Output torque
ST = Gear Stage
f_B = Service Factor

* For standard shaft diameters; for optional shaft diameters see page 91-92.

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**$n_{2(50)}$ [1/min^{-1}]**	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
0,18 (50 Hz)	**257**	310	5,65	2620	6,7	3	6,94	B_383_171D
0,22 (60 Hz)	**233**	281	6,22	2620	7,4	3	6,94	
	201	242	7,22	2758	8,6	3	6,94	
	185	224	7,82	2758	9,3	3	6,94	
	164	198	8,85	2758	10,5	3	6,94	
	149	180	9,72	2755	11,5	3	6,94	
	135	163	10,72	2758	12,7	3	6,94	
	126	152	11,50	2745	13,6	3	6,94	
	115	138	12,65	2745	15,0	3	6,94	
	99	119	14,69	2745	17,4	3	6,94	
	91	110	15,91	2745	18,9	3	6,94	
	81	97	17,99	3229	21,3	3	6,94	
	73	88	19,78	3229	23,4	3	6,94	
	66	80	21,81	3229	25,9	3	6,94	
	60	72	24,16	3229	28,6	3	6,42	
	54	65	26,9	3229	31,9	3	6,01	
	50	61	28,72	4119	34,0	3	6,94	
	46	55	31,59	4119	37,5	3	6,66	
	40	48	36,69	4119	43,5	3	5,77	
	36	44	39,73	4119	47,1	3	5,32	
	32	39	44,94	5115	53,3	3	4,70	
	29	35	49,38	5115	58,5	3	4,26	
	27	32	54,47	5115	64,6	3	3,88	
	24	29	60,33	5115	71,5	3	3,50	
	22	26	67,18	5115	79,6	3	3,12	
	18,8	23	77,09	6276	91,4	3	2,75	
	17	21	85,33	6276	101,2	3	2,48	
	14,9	18	97,05	6276	115,1	3	2,16	
	13,1	15,8	110,75	6276	131,3	3	1,89	
	11,6	14	124,78	6276	147,9	3	1,68	
	10,4	12,6	139,43	6276	165,3	3	1,51	
	9,1	11	159,04	6276	188,5	3	1,34	
	8,1	9,8	179,13	6276	212,4	3	1,17	
	201	242	7,22	4591	8,3	3	6,94	B_483_I71D
	173	208	8,40	4591	9,6	3	6,94	
	156	188	9,32	4591	10,7	3	6,94	
	143	172	10,15	4591	11,6	3	6,94	
	121	146	11,95	4938	13,7	3	6,94	
	104	126	13,90	4938	15,9	3	6,94	
	94	113	15,42	4938	17,7	3	6,94	
	86	104	16,79	4938	19,2	3	6,94	
	77	93	18,78	5111	21,5	3	6,94	
	71	85	20,54	5111	23,5	3	6,94	
	64	78	22,54	5111	25,8	3	6,94	
	58	70	24,85	5111	28,5	3	6,94	
	53	64	27,55	5111	31,6	3	6,94	
	50	61	28,90	5454	33,1	3	6,94	
	43	52	33,60	5454	38,5	3	6,94	
	39	47	37,28	5454	42,7	3	6,94	
	36	43	40,60	5454	46,5	3	6,94	
	32	39	45,41	7077	52,0	3	6,94	
	29	35	49,65	7077	56,9	3	6,94	
	27	32	54,49	7077	62,4	3	6,94	
	24	29	60,08	7077	68,8	3	6,32	
	22	26	66,60	7077	76,3	3	5,70	
	19,2	23	75,45	8354	86,4	3	5,05	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	17,4	21	83,25	8354	95,4	3	4,57	
	15,4	18,6	94,12	8354	107,8	3	4,05	
	13,5	16,3	107,47	8354	123,1	3	3,54	
	11,9	14,3	122,19	8354	140,0	3	3,12	
	11,1	13,4	130,78	8354	149,8	3	2,92	
	9,6	11,6	150,76	8354	172,7	3	2,51	
	8,6	10,3	169,53	8354	194,2	3	2,23	
	171	206	8,50	11134	9,7	3	6,94	B_683_I71D
	152	184	9,52	11134	10,9	3	6,94	
	139	168	10,40	11134	11,9	3	6,94	
	77	92	18,93	11134	21,7	3	6,94	
	68	82	21,22	11134	24,3	3	6,94	
	63	76	23,16	11134	26,5	3	6,94	
	57	69	25,42	11134	29,1	3	6,94	
	52	63	27,99	11134	32,1	3	6,94	
	48	58	30,38	11134	34,8	3	6,94	
	28	34	51,96	11134	59,5	3	6,94	
	25	30	58,23	11134	66,7	3	6,94	
	23	28	63,57	11134	72,8	3	6,94	
	21	25	69,78	11134	79,9	3	6,94	
	18,9	23	76,84	11134	88,0	3	6,94	
	17,4	21	83,40	11134	95,5	3	6,94	
	16	19,3	90,89	11134	104,1	3	6,94	
	14,6	17,6	99,55	11134	114,0	3	6,76	
	13,2	16	109,64	11134	125,6	3	6,25	
	11,5	13,9	126,09	11134	144,5	3	5,49	
	10,6	12,8	136,60	11134	156,5	3	5,08	
	9,6	11,6	150,98	11134	173,0	3	4,60	
	8,2	9,9	176,14	11134	201,8	3	3,91	
	7,4	8,9	196,07	11134	224,6	3	3,54	
	6,7	8,1	215,68	11134	247,1	3	3,19	
	5,9	7,2	243,72	11134	279,2	3	2,85	
	57	69	25,53	20070	29,3	3	6,94	B_883_I71D
	51	61	28,50	20070	32,6	3	6,94	
	47	57	30,87	20070	35,4	3	6,94	
	19,2	23	75,45	20070	86,4	3	6,94	
	17,2	21	84,21	20070	96,5	3	6,94	
	15,9	19,2	91,22	20070	104,5	3	6,94	
	14	16,9	103,38	20070	118,4	3	6,94	
	13	15,7	111,37	20070	127,6	3	6,94	
	12	14,5	120,42	20070	138,0	3	6,94	
	11,1	13,4	130,77	20070	149,8	3	6,94	
	10	12,1	144,58	20070	165,6	3	6,90	
	9,3	11,2	156,63	20070	179,4	3	6,46	
	8,2	9,9	176,5	20070	202,2	3	5,84	
	7,5	9,1	193,24	20070	221,4	3	5,43	
	6,7	8,1	215,25	20070	246,6	3	4,94	
	5,9	7,1	246,13	20070	282,0	3	4,40	
	5,3	6,4	272,95	20070	312,7	3	4,02	
	4,8	5,8	302,68	20070	346,8	3	3,67	
0,25 (50 Hz) 0,30 (60 Hz)	**257**	310	5,65	2620	9,0	3	4,99	B_383_I71D
	233	281	6,22	2620	9,9	3	4,99	
	201	242	7,22	2758	11,5	3	4,99	
	185	224	7,82	2758	12,4	3	4,99	
	164	198	8,85	2758	14,1	3	4,99	
	149	180	9,72	2758	15,5	3	4,99	
	135	163	10,72	2758	17,1	3	4,99	
	126	152	11,50	2745	18,3	3	4,99	
	115	138	12,65	2745	20,1	3	4,99	
	99	119	14,69	2745	23,4	3	4,99	
	91	110	15,91	2745	25,3	3	4,99	
	81	97	17,99	3229	28,6	3	4,99	
	73	88	19,78	3229	31,5	3	4,99	
	66	80	21,81	3229	34,7	3	4,99	
	60	72	24,16	3229	38,5	3	4,67	
	54	65	26,90	3229	42,8	3	4,33	
	50	61	28,72	4119	45,7	3	4,99	
	46	55	31,59	4119	50,3	3	4,80	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**$n_{2(50)}$ [1/min^{-1}]**	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	40	48	36,69	4119	58,4	3	4,15	
	36	44	39,73	4119	63,2	3	3,83	
	32	39	44,94	5115	71,5	3	3,39	
	29	35	49,38	5115	78,6	3	3,07	
	27	32	54,47	5115	86,7	3	2,79	
	24	29	60,33	5115	96,0	3	2,52	
	22	26	67,18	5115	106,9	3	2,25	
	18,8	23	77,09	6276	122,7	3	1,98	
	17	21	85,33	6276	135,8	3	1,78	
	14,9	18	97,05	6276	154,5	3	1,56	
	13,1	15,8	110,75	6276	176,3	3	1,36	
	11,6	14	124,78	6276	198,6	3	1,21	
	10,4	12,6	139,43	6276	221,9	3	1,09	
	201	242	7,22	4590	11,5	3	4,99	B_483_I71D
	173	208	8,40	4590	13,4	3	4,99	
	156	188	9,32	4590	14,8	3	4,99	
	143	172	10,15	4590	16,1	3	4,99	
	121	146	11,95	4937	19,0	3	4,99	
	104	126	13,90	4937	22,1	3	4,99	
	94	113	15,42	4937	24,5	3	4,99	
	86	104	16,79	5111	26,7	3	4,99	
	77	93	18,78	5111	29,9	3	4,99	
	71	85	20,54	5111	32,7	3	4,99	
	64	78	22,54	5111	35,8	3	4,99	
	58	70	24,85	5111	39,5	3	4,99	
	53	64	27,55	5111	43,8	3	4,99	
	50	61	28,90	5454	46,0	3	4,99	
	43	52	33,60	5454	53,4	3	4,99	
	39	47	37,28	5454	59,3	3	4,99	
	36	43	40,60	5454	64,6	3	4,99	
	32	39	45,41	7077	72,2	3	4,99	
	29	35	49,65	7077	79,0	3	4,99	
	27	32	54,49	7077	86,7	3	4,99	
	24	29	60,08	7077	95,6	3	4,55	
	22	26	66,60	7077	105,9	3	4,10	
	19,2	23	75,45	8354	120,0	3	3,63	
	17,4	21	83,25	8354	132,4	3	3,29	
	15,4	18,6	94,12	8354	149,7	3	2,92	
	13,5	16,3	107,47	8354	170,9	3	2,55	
	11,9	14,3	122,19	8354	194,3	3	2,25	
	11,1	13,4	130,78	8354	208,0	3	2,10	
	9,6	11,6	150,76	8354	239,8	3	1,80	
	8,6	10,3	169,53	8354	269,6	3	1,61	
	171	206	8,50	11134	13,5	3	4,99	B_683_I71D
	152	184	9,52	11134	15,1	3	4,99	
	139	168	10,40	11134	16,5	3	4,99	
	77	92	18,93	11134	30,1	3	4,99	
	68	82	21,22	11134	33,7	3	4,99	
	63	76	23,16	11134	36,8	3	4,99	
	57	69	25,42	11134	40,4	3	4,99	
	52	63	27,99	11134	44,5	3	4,99	
	48	58	30,38	11134	48,3	3	4,99	
	28	34	51,96	11134	82,6	3	4,99	
	25	30	58,23	11134	92,6	3	4,99	
	23	28	63,57	11134	101,1	3	4,99	
	21	25	69,78	11134	111,0	3	4,99	
	18,9	23	76,84	11134	122,2	3	4,99	
	17,4	21	83,40	11134	132,6	3	4,99	
	16	19,3	90,89	11134	144,6	3	4,99	
	14,6	17,6	99,55	11134	158,3	3	4,87	
	13,2	16	109,64	11134	174,4	3	4,50	
	11,5	13,9	126,09	11134	200,5	3	3,96	
	10,6	12,8	136,60	11134	217,3	3	3,66	
	9,6	11,6	150,98	11134	240,1	3	3,31	
	8,2	9,9	176,14	11134	280,1	3	2,82	
	7,4	8,9	196,07	11134	311,8	3	2,55	
	6,7	8,1	215,68	11134	343,0	3	2,30	
	5,9	7,2	243,72	11134	387,6	3	2,05	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	57	69	25,53	20070	40,6	3	4,99	B_883_I71D
	51	61	28,50	20070	45,3	3	4,99	
	47	57	30,87	20070	49,1	3	4,99	
	19,2	23	75,45	20070	120,0	3	4,99	
	17,2	21	84,21	20070	133,9	3	4,99	
	15,9	19,2	91,22	20070	145,1	3	4,99	
	14	16,9	103,38	20070	164,4	3	4,99	
	13	15,7	111,37	20070	177,1	3	4,99	
	12	14,5	120,42	20070	191,5	3	4,99	
	11,1	13,4	130,77	20070	208,0	3	4,99	
	10	12,1	144,58	20070	229,9	3	4,97	
	9,3	11,2	156,63	20070	249,1	3	4,65	
	8,2	9,9	176,50	20070	280,7	3	4,20	
	7,5	9,1	193,24	20070	307,3	3	3,91	
	6,7	8,1	215,25	20070	342,3	3	3,56	
	5,9	7,1	246,13	20070	391,5	3	3,16	
	5,3	6,4	272,95	20070	434,1	3	2,89	
	4,8	5,8	302,68	20070	481,4	3	2,65	
0,37 (50 Hz)	**257**	310	5,65	2620	13,3	3	3,37	B_383_I71D
0,44 (60 Hz)	**233**	281	6,22	2620	14,6	3	3,37	
	201	242	7,22	2758	17,0	3	3,37	
	185	224	7,82	2758	18,4	3	3,37	
	164	198	8,85	2758	20,8	3	3,37	
	149	180	9,72	2758	22,9	3	3,37	
	135	163	10,72	2758	25,3	3	3,37	
	126	152	11,50	2745	27,1	3	3,37	
	115	138	12,65	2745	29,8	3	3,37	
	99	119	14,69	2745	34,6	3	3,37	
	91	110	15,91	2745	37,5	3	3,37	
	81	97	17,99	3229	42,4	3	3,37	
	73	88	19,78	3229	46,6	3	3,37	
	66	80	21,81	3229	51,4	3	3,37	
	60	72	24,16	3229	56,9	3	3,16	
	54	65	26,90	3229	63,4	3	2,92	
	50	61	28,72	4119	67,7	3	3,37	
	46	55	31,59	4119	74,4	3	3,24	
	40	48	36,69	4119	86,4	3	2,81	
	36	44	39,73	4119	93,6	3	2,59	
	32	39	44,94	5115	105,9	3	2,29	
	29	35	49,38	5115	116,3	3	2,07	
	27	32	54,47	5115	128,3	3	1,89	
	24	29	60,33	5115	142,1	3	1,70	
	22	26	67,18	5115	158,2	3	1,52	
	18,8	23	77,09	6276	181,6	3	1,34	
	17	21	85,33	6276	201,0	3	1,20	
	14,9	18	97,05	6276	228,6	3	1,05	
	201	242	7,22	4590	17,0	3	3,37	B_483_I71D
	173	208	8,40	4590	19,8	3	3,37	
	156	188	9,32	4590	22,0	3	3,37	
	143	172	10,15	4590	23,9	3	3,37	
	121	146	11,95	4937	28,2	3	3,37	
	104	126	13,90	4937	32,7	3	3,37	
	94	113	15,42	4937	36,3	3	3,37	
	86	104	16,79	5111	39,6	3	3,37	
	77	93	18,78	5111	44,2	3	3,37	
	71	85	20,54	5111	48,4	3	3,37	
	64	78	22,54	5111	53,1	3	3,37	
	58	70	24,85	5111	58,5	3	3,37	
	53	64	27,55	5111	64,9	3	3,37	
	50	61	28,90	5454	68,1	3	3,37	
	43	52	33,60	5454	79,2	3	3,37	
	39	47	37,28	5454	87,8	3	3,37	
	36	43	40,60	5454	95,6	3	3,37	
	32	39	45,41	7077	107,0	3	3,37	
	29	35	49,65	7077	117,0	3	3,37	
	27	32	54,49	7077	128,4	3	3,37	
	24	29	60,08	7077	141,5	3	3,07	
	22	26	66,60	7077	156,9	3	2,77	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	19,2	23	75,45	8354	177,7	3	2,46	
	17,4	21	83,25	8354	196,1	3	2,22	
	15,4	18,6	94,12	8354	221,7	3	1,97	
	13,5	16,3	107,47	8354	253,2	3	1,72	
	11,9	14,3	122,19	8354	287,8	3	1,52	
	11,1	13,4	130,78	8354	308,1	3	1,42	
	9,6	11,6	150,76	8354	355,1	3	1,22	
	8,6	10,3	169,53	8354	399,3	3	1,09	
	171	206	8,50	11134	20,0	3	3,37	B_683_I71D
	152	184	9,52	11134	22,4	3	3,37	
	139	168	10,40	11134	24,5	3	3,37	
	77	92	18,93	11134	44,6	3	3,37	
	68	82	21,22	11134	50,0	3	3,37	
	63	76	23,16	11134	54,6	3	3,37	
	57	69	25,42	11134	59,9	3	3,37	
	52	63	27,99	11134	65,9	3	3,37	
	48	58	30,38	11134	71,6	3	3,37	
	28	34	51,96	11134	122,4	3	3,37	
	25	30	58,23	11134	137,2	3	3,37	
	23	28	63,57	11134	149,7	3	3,37	
	21	25	69,78	11134	164,4	3	3,37	
	18,9	23	76,84	11134	181,0	3	3,37	
	17,4	21	83,40	11134	196,5	3	3,37	
	16	19,3	90,89	11134	214,1	3	3,37	
	14,6	17,6	99,55	11134	234,5	3	3,29	
	13,2	16	109,64	11134	258,3	3	3,04	
	11,5	13,9	126,09	11134	297,0	3	2,67	
	10,6	12,8	136,60	11134	321,8	3	2,47	
	9,6	11,6	150,98	11134	355,6	3	2,24	
	8,2	9,9	176,14	11134	414,9	3	1,90	
	7,4	8,9	196,07	11134	461,9	3	1,72	
	6,7	8,1	215,68	11134	508,1	3	1,55	
	5,9	7,2	243,72	11134	574,1	3	1,39	
	57	69	25,53	20070	60,1	3	3,37	B_883_I71D
	51	61	28,50	20070	67,1	3	3,37	
	47	57	30,87	20070	72,7	3	3,37	
	19,2	23	75,45	20070	177,7	3	3,37	
	17,2	21	84,21	20070	198,4	3	3,37	
	15,9	19,2	91,22	20070	214,9	3	3,37	
	14	16,9	103,38	20070	243,5	3	3,37	
	13	15,7	111,37	20070	262,3	3	3,37	
	12	14,5	120,42	20070	283,7	3	3,37	
	11,1	13,4	130,77	20070	308,0	3	3,37	
	10	12,1	144,58	20070	340,6	3	3,36	
	9,3	11,2	156,63	20070	369,0	3	3,14	
	8,2	9,9	176,50	20070	415,8	3	2,84	
	7,5	9,1	193,24	20070	455,2	3	2,64	
	6,7	8,1	215,25	20070	507,0	3	2,41	
	5,9	7,1	246,13	20070	579,8	3	2,14	
	5,3	6,4	272,95	20070	643,0	3	1,95	
	4,8	5,8	302,68	20070	713,0	3	1,79	
0,55 (50 Hz)	**257**	310	5,65	2620	19,8	3	2,76	B_383_I80D
0,66 (60 Hz)	**233**	281	6,22	2620	21,8	3	2,76	
	201	242	7,22	2758	25,3	3	2,76	
	185	224	7,82	2758	27,4	3	2,76	
	164	198	8,85	2758	31,0	3	2,76	
	149	180	9,72	2758	34,0	3	2,76	
	135	163	10,72	2758	37,5	3	2,76	
	126	152	11,50	2745	40,3	3	2,76	
	115	138	12,65	2745	44,3	3	2,76	
	99	119	14,69	2745	51,4	3	2,76	
	91	110	15,91	2745	55,7	3	2,76	
	81	97	17,99	3229	63,0	3	2,76	
	73	88	19,78	3229	69,2	3	2,76	
	66	80	21,81	3229	76,4	3	2,76	
	60	72	24,16	3229	84,6	3	2,76	
	54	65	26,90	3229	94,2	3	2,56	
	50	61	28,72	4119	100,6	3	2,41	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	46	55	31,59	4119	110,6	3	2,18	
	40	48	36,69	4119	128,5	3	1,88	
	36	44	39,73	4119	139,1	3	1,74	
	32	39	44,94	5115	157,3	3	1,54	
	29	35	49,38	5115	172,9	3	1,39	
	27	32	54,47	5115	190,7	3	1,26	
	24	29	60,33	5115	211,2	3	1,15	
	22	26	67,18	5115	235,2	3	1,02	
	201	242	7,22	4590	25,3	3	2,76	B_483_I80D
	173	208	8,40	4590	29,4	3	2,76	
	156	188	9,32	4590	32,6	3	2,76	
	143	172	10,15	4590	35,5	3	2,76	
	121	146	11,95	4937	41,9	3	2,76	
	104	126	13,90	4937	48,7	3	2,76	
	94	113	15,42	4937	54,0	3	2,76	
	86	104	16,79	5111	58,8	3	2,76	
	77	93	18,78	5111	65,8	3	2,70	
	71	85	20,54	5111	71,9	3	2,54	
	64	78	22,54	5111	78,9	3	2,38	
	58	70	24,85	5111	87,0	3	2,23	
	53	64	27,55	5111	96,5	3	2,07	
	50	61	28,90	5454	101,2	3	2,76	
	43	52	33,60	5454	117,7	3	2,76	
	39	47	37,28	5454	130,5	3	2,76	
	36	43	40,60	5454	142,2	3	2,76	
	32	39	45,41	7077	159,0	3	2,74	
	29	35	49,65	7077	173,8	3	2,51	
	27	32	54,49	7077	190,8	3	2,28	
	24	29	60,08	7077	210,4	3	2,07	
	22	26	66,60	7077	233,2	3	1,87	
	19,2	23	75,45	8354	264,2	3	1,65	
	17,4	21	83,25	8354	291,5	3	1,49	
	15,4	18,6	94,12	8354	329,6	3	1,33	
	13,5	16,3	107,47	8354	376,3	3	1,16	
	11,9	14,3	122,19	8354	427,8	3	1,02	
	270	326	5,36	11134	18,8	3	2,76	B_683_I80D
	225	272	6,44	11134	22,6	3	2,76	
	191	231	7,58	11134	26,6	3	2,76	
	171	206	8,50	11134	29,8	3	2,76	
	152	184	9,52	11134	33,3	3	2,76	
	139	168	10,40	11134	36,4	3	2,76	
	147	121	11,94	11134	41,8	3	2,76	
	122	101	14,35	11134	50,2	3	2,76	
	104	86	16,89	11134	59,2	3	2,76	
	77	92	18,93	11134	66,3	3	2,76	
	68	82	21,22	11134	74,3	3	2,76	
	63	76	23,16	11134	81,1	3	2,76	
	57	69	25,42	11134	89,0	3	2,76	
	52	63	27,99	11134	98,0	3	2,76	
	48	58	30,38	11134	106,4	3	2,76	
	44	53	32,78	11134	114,8	3	2,76	
	37	44	39,39	11134	137,9	3	2,76	
	31	38	46,37	11134	162,4	3	2,76	
	28	34	51,96	11134	181,9	3	2,76	
	25	30	58,23	11134	203,9	3	2,76	
	23	28	63,57	11134	222,6	3	2,76	
	21	25	69,78	11134	244,3	3	2,76	
	18,9	23	76,84	11134	269,0	3	2,76	
	17,4	21	83,40	11134	292,0	3	2,72	
	16	19,3	90,89	11134	318,3	3	2,49	
	14,6	17,6	99,55	11134	348,5	3	2,28	
	13,2	16	109,64	11134	383,9	3	2,07	
	11,5	13,9	126,09	11134	441,5	3	1,80	
	10,6	12,8	136,60	11134	478,3	3	1,66	
	9,6	11,6	150,98	11134	528,6	3	1,51	
	8,2	9,9	176,14	11134	616,7	3	1,28	
	7,4	8,9	196,07	11134	686,5	3	1,16	
	6,7	8,1	215,68	11134	755,2	3	1,05	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	181	218	8,03	20070	28,1	3	2,76	B_883_I80D
	154	186	9,41	20070	32,9	3	2,76	
	86	104	16,85	20070	59,0	3	2,76	
	73	89	19,75	20070	69,2	3	2,76	
	62	74	23,54	20070	82,4	3	2,76	
	57	69	25,53	20070	89,4	3	2,76	
	51	61	28,50	20070	99,8	3	2,76	
	47	57	30,87	20070	108,1	3	2,76	
	29	35	49,80	20070	174,4	3	2,76	
	25	30	58,37	20070	204,4	3	2,76	
	21	25	69,57	20070	243,6	3	2,76	
	19,2	23	75,45	20070	264,2	3	2,76	
	17,2	21	84,21	20070	294,9	3	2,76	
	15,9	19,2	91,22	20070	319,4	3	2,76	
	14	16,9	103,38	20070	362,0	3	2,76	
	13	15,7	111,37	20070	389,9	3	2,76	
	12	14,5	120,42	20070	421,6	3	2,76	
	11,1	13,4	130,77	20070	457,9	3	2,76	
	10	12,1	144,58	20070	506,2	3	2,76	
	9,3	11,2	156,63	20070	548,4	3	2,76	
	8,2	9,9	176,50	20070	618,0	3	2,58	
	7,5	9,1	193,24	20070	676,6	3	2,36	
	6,7	8,1	215,25	20070	753,7	3	2,11	
	5,9	7,1	246,13	20070	861,8	3	1,85	
	5,3	6,4	272,95	20070	955,7	3	1,67	
	4,8	5,8	302,68	20070	1059,8	3	1,51	
0,75 (50 Hz) 0,90 (60 Hz)	**257**	310	5,65	2620	26,8	3	2,03	B_383_I80D
	233	281	6,22	2620	29,5	3	2,03	
	201	242	7,22	2758	34,3	3	2,03	
	185	224	7,82	2758	37,1	3	2,03	
	164	198	8,85	2758	42,0	3	2,03	
	149	180	9,72	2758	46,2	3	2,03	
	135	163	10,72	2758	50,9	3	2,03	
	126	152	11,50	2745	54,6	3	2,03	
	115	138	12,65	2745	60,1	3	2,03	
	99	119	14,69	2745	69,8	3	2,03	
	91	110	15,91	2745	75,5	3	2,03	
	81	97	17,99	3229	85,4	3	2,03	
	73	88	19,78	3229	93,9	3	2,03	
	66	80	21,81	3229	103,6	3	2,03	
	60	72	24,16	3229	114,7	3	2,03	
	54	65	26,90	3229	127,7	3	1,88	
	50	61	28,72	4119	136,3	3	1,76	
	46	55	31,59	4119	150,0	3	1,60	
	40	48	36,69	4119	174,2	3	1,38	
	36	44	39,73	4119	188,6	3	1,28	
	32	39	44,94	5115	213,3	3	1,13	
	29	35	49,38	5115	234,5	3	1,02	
	201	242	7,22	4590	34,3	3	2,03	B_483_I80D
	173	208	8,40	4590	39,9	3	2,03	
	156	188	9,32	4590	44,2	3	2,03	
	143	172	10,15	4590	48,2	3	2,03	
	121	146	11,95	4937	56,7	3	2,03	
	104	126	13,90	4937	66,0	3	2,03	
	94	113	15,42	4937	73,2	3	2,03	
	86	104	16,79	5111	79,7	3	2,03	
	77	93	18,78	5111	89,2	3	1,98	
	71	85	20,54	5111	97,5	3	1,86	
	64	78	22,54	5111	107,0	3	1,75	
	58	70	24,85	5111	118,0	3	1,63	
	53	64	27,55	5111	130,8	3	1,52	
	50	61	28,90	5454	137,2	3	2,03	
	43	52	33,60	5454	159,5	3	2,03	
	39	47	37,28	5454	177,0	3	2,03	
	36	43	40,60	5454	192,8	3	2,03	
	32	39	45,41	7077	215,6	3	2,01	
	29	35	49,65	7077	235,7	3	1,84	
	27	32	54,49	7077	258,7	3	1,67	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	24	29	60,08	7077	285,2	3	1,52	
	22	26	66,60	7077	316,2	3	1,37	
	19,2	23	75,45	8354	358,2	3	1,21	
	17,4	21	83,25	8354	395,2	3	1,10	
	271	326	5,36	11134	25,5	3	2,03	B_683_I80D
	225	272	6,44	11134	30,6	3	2,03	
	191	231	7,58	11134	36,0	3	2,03	
	171	206	8,50	11134	40,3	3	2,03	
	152	184	9,52	11134	45,2	3	2,03	
	139	168	10,40	11134	49,4	3	2,03	
	121	147	11,94	11134	56,7	3	2,03	
	101	122	14,35	11134	68,1	3	2,03	
	86	104	16,89	11134	80,2	3	2,03	
	77	92	18,93	11134	89,9	3	2,03	
	68	82	21,22	11134	100,7	3	2,03	
	63	76	23,16	11134	110,0	3	2,03	
	57	69	25,42	11134	120,7	3	2,03	
	52	63	27,99	11134	132,9	3	2,03	
	48	58	30,38	11134	144,2	3	2,03	
	44	53	32,78	11134	155,6	3	2,03	
	37	44	39,39	11134	187,0	3	2,03	
	31	38	46,37	11134	220,2	3	2,03	
	28	34	51,96	11134	246,7	3	2,03	
	25	30	58,23	11134	276,5	3	2,03	
	23	28	63,57	11134	301,8	3	2,03	
	21	25	69,78	11134	331,3	3	2,03	
	18,9	23	76,84	11134	364,8	3	2,03	
	17,4	21	83,40	11134	395,9	3	1,99	
	16	19,3	90,89	11134	431,5	3	1,83	
	14,6	17,6	99,55	11134	472,6	3	1,67	
	13,2	16	109,64	11134	520,5	3	1,52	
	11,5	13,9	126,09	11134	598,6	3	1,32	
	10,6	12,8	136,60	11134	648,5	3	1,22	
	9,6	11,6	150,98	11134	716,8	3	1,10	
	181	218	8,03	20070	38,1	3	2,03	B_883_I80D
	154	186	9,41	20070	44,7	3	2,03	
	86	104	16,85	20070	80,0	3	2,03	
	73	89	19,75	20070	93,8	3	2,03	
	62	74	23,54	20070	111,8	3	2,03	
	57	69	25,53	20070	121,2	3	2,03	
	51	61	28,50	20070	135,3	3	2,03	
	47	57	30,87	20070	146,6	3	2,03	
	29	35	49,80	20070	236,4	3	2,03	
	25	30	58,37	20070	277,1	3	2,03	
	21	25	69,57	20070	330,3	3	2,03	
	19,2	23	75,45	20070	358,2	3	2,03	
	17,2	21	84,21	20070	399,8	3	2,03	
	15,9	19,2	91,22	20070	433,1	3	2,03	
	14	16,9	103,38	20070	490,8	3	2,03	
	13	15,7	111,37	20070	528,7	3	2,03	
	12	14,5	120,42	20070	571,7	3	2,03	
	11,1	13,4	130,77	20070	620,8	3	2,03	
	10	12,1	144,58	20070	686,4	3	2,03	
	9,3	11,2	156,63	20070	743,6	3	2,03	
	8,2	9,9	176,50	20070	838,0	3	1,90	
	7,5	9,1	193,24	20070	917,5	3	1,73	
	6,7	8,1	215,25	20070	1021,9	3	1,55	
	5,9	7,1	246,13	20070	1168,5	3	1,36	
	5,3	6,4	272,95	20070	1295,8	3	1,23	
	4,8	5,8	302,68	20070	1437,0	3	1,10	
	112	136	12,90	24848	61,2	3	2,03	B_1083_I80D
	63	76	23,08	24848	109,6	3	2,03	
	55	66	26,48	24848	125,7	3	2,03	
	46	56	31,25	24848	148,4	3	2,03	
	43	52	33,87	24848	160,8	3	2,03	
	24	29	61,22	24848	290,6	3	2,03	
	21	25	70,24	24848	333,5	3	2,03	
	17,5	21	82,90	24848	393,6	3	2,03	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	16,1	19,5	89,85	24848	426,6	3	2,03	
	14,5	17,5	99,90	24848	474,3	3	2,03	
	13,4	16,1	108,52	24848	515,2	3	2,03	
	12,1	14,6	120,03	24848	569,9	3	2,03	
	11,3	13,6	128,86	24848	611,8	3	2,03	
	10,4	12,6	138,87	24848	659,3	3	2,03	
	9,6	11,6	150,31	24848	713,6	3	2,03	
	8,9	10,7	163,51	24848	776,3	3	2,03	
	8,1	9,8	178,9	24848	849,4	3	2,03	
	7,2	8,7	201,11	24848	954,8	3	2,03	
	6,6	8	219,64	24848	1042,8	3	2,03	
	6	7,2	243,47	24848	1155,9	3	1,95	
	5,2	6,3	278,10	24848	1320,3	3	1,79	
	4,7	5,7	307,24	24848	1458,7	3	1,67	
1,1 (50 Hz)	**257**	310	5,65	2620	39,6	3	2,81	B_383_I90D
1,3 (60 Hz)	**233**	281	6,22	2620	43,5	3	2,81	
	201	242	7,22	2758	50,6	3	2,67	
	185	224	7,82	2758	54,8	3	2,53	
	164	198	8,85	2758	61,9	3	2,33	
	149	180	9,72	2758	68,1	3	2,19	
	135	163	10,72	2758	75,1	3	2,05	
	126	152	11,50	2745	80,5	3	2,81	
	115	138	12,65	2745	88,6	3	2,73	
	99	119	14,69	2745	102,9	3	2,35	
	91	110	15,91	2745	111,4	3	2,17	
	81	97	17,99	3229	126,0	3	1,92	
	73	88	19,78	3229	138,5	3	1,75	
	66	80	21,81	3229	152,7	3	1,58	
	60	72	24,16	3229	169,2	3	1,43	
	54	65	26,90	3229	188,4	3	1,28	
	50	61	28,72	4119	201,1	3	1,20	
	46	55	31,59	4119	221,2	3	1,07	
	201	242	7,22	4590	50,6	3	2,82	B_483_I90D
	173	208	8,40	4590	58,8	3	2,82	
	156	188	9,32	4590	65,3	3	2,82	
	143	172	10,15	4590	71,1	3	2,80	
	121	146	11,95	4937	83,7	3	2,82	
	104	126	13,90	4937	97,3	3	2,82	
	94	113	15,42	4937	108,0	3	2,82	
	86	104	16,79	5111	117,6	3	2,80	
	77	93	18,78	5111	131,5	3	2,67	
	71	85	20,54	5111	143,8	3	2,56	
	64	78	22,54	5111	157,8	3	2,45	
	58	70	24,85	5111	174,0	3	2,33	
	53	64	27,55	5111	192,9	3	2,21	
	50	61	28,90	5454	202,4	3	2,15	
	43	52	33,60	5454	235,3	3	1,85	
	39	47	37,28	5454	261,1	3	1,67	
	36	43	40,60	5454	284,3	3	1,53	
	32	39	45,41	7077	318,0	3	1,37	
	29	35	49,65	7077	347,7	3	1,25	
	27	32	54,49	7077	381,6	3	1,14	
	24	29	60,08	7077	420,7	3	1,03	
	271	326	5,36	11134	37,5	3	2,82	B_683_I90D
	225	272	6,44	11134	45,1	3	2,82	
	191	231	7,58	11134	53,1	3	2,81	
	171	206	8,50	11134	59,5	3	2,82	
	152	184	9,52	11134	66,7	3	2,82	
	139	168	10,4	11134	72,8	3	2,82	
	121	147	11,94	11134	83,6	3	2,82	
	101	122	14,35	11134	100,5	3	2,82	
	86	104	16,89	11134	118,3	3	2,82	
	77	92	18,93	11134	132,6	3	2,82	
	68	82	21,22	11134	148,6	3	2,82	
	63	76	23,16	11134	162,2	3	2,82	
	57	69	25,42	11134	178,0	3	2,82	
	52	63	27,99	11134	196,0	3	2,82	
	48	58	30,38	11134	212,8	3	2,82	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	44	53	32,78	11134	229,6	3	2,82	
	37	44	39,39	11134	275,8	3	2,82	
	31	38	46,37	11134	324,7	3	2,44	
	28	34	51,96	11134	363,9	3	2,18	
	25	30	58,23	11134	407,8	3	1,94	
	23	28	63,57	11134	445,2	3	1,78	
	21	25	69,78	11134	488,6	3	1,62	
	18,9	23	76,84	11134	538,1	3	1,47	
	17,4	21	83,40	11134	584,0	3	1,36	
	16	19,3	90,89	11134	636,5	3	1,25	
	14,6	17,6	99,55	11134	697,1	3	1,14	
	13,2	16	109,64	11134	767,8	3	1,03	
	181	218	8,03	20070	56,2	3	2,82	B_883_I90D
	154	186	9,41	20070	65,9	3	2,82	
	86	104	16,85	20070	118,0	3	2,82	
	73	89	19,75	20070	138,3	3	2,82	
	62	74	23,54	20070	164,9	3	2,82	
	57	69	25,53	20070	178,8	3	2,82	
	51	61	28,50	20070	199,6	3	2,82	
	47	57	30,87	20070	216,2	3	2,82	
	29	35	49,80	20070	348,7	3	2,82	
	25	30	58,37	20070	408,8	3	2,82	
	21	25	69,57	20070	487,2	3	2,82	
	19,2	23	75,45	20070	528,3	3	2,82	
	17,2	21	84,21	20070	589,7	3	2,71	
	15,9	19,2	91,22	20070	638,8	3	2,50	
	14	16,9	103,38	20070	724,0	3	2,20	
	13	15,7	111,37	20070	779,9	3	2,05	
	12	14,5	120,42	20070	843,3	3	1,89	
	11,1	13,4	130,77	20070	915,7	3	1,74	
	10	12,1	144,58	20070	1012,5	3	1,58	
	9,3	11,2	156,63	20070	1096,8	3	1,46	
	8,2	9,9	176,50	20070	1236,0	3	1,29	
	7,5	9,1	193,24	20070	1353,2	3	1,18	
	6,7	8,1	215,25	20070	1507,3	3	1,06	
	112	136	12,90	24848	90,3	3	2,82	B_1083_I90D
	63	76	23,08	24848	161,6	3	2,82	
	55	66	26,48	24848	185,4	3	2,82	
	46	56	31,25	24848	218,8	3	2,82	
	43	52	33,87	24848	237,2	3	2,82	
	24	29	61,22	24848	428,7	3	2,82	
	21	25	70,24	24848	491,8	3	2,82	
	17,5	21	82,90	24848	580,5	3	2,82	
	16,1	19,5	89,85	24848	629,2	3	2,82	
	14,5	17,5	99,90	24848	699,6	3	2,82	
	13,4	16,1	108,52	24848	759,9	3	2,82	
	12,1	14,6	120,03	24848	840,6	3	2,82	
	11,3	13,6	128,86	24848	902,4	3	2,82	
	10,4	12,6	138,87	24848	972,5	3	2,72	
	9,6	11,6	150,31	24848	1052,6	3	2,60	
	8,9	10,7	163,51	24848	1145,0	3	2,48	
	8,1	9,8	178,90	24848	1252,8	3	2,32	
	7,2	8,7	201,11	24848	1408,3	3	2,06	
	6,6	8	219,64	24848	1538,1	3	1,89	
	6	7,2	243,47	24848	1705,0	3	1,70	
	5,2	6,3	278,10	24848	1947,4	3	1,49	
	4,7	5,7	307,24	24848	2151,5	3	1,35	
	54	65	27,02	30724	189,2	3	2,82	B_1283_I90D
	47	57	30,61	30724	214,4	3	2,82	
	40	49	35,92	30724	251,6	3	2,82	
	37	45	39,19	30724	274,4	3	2,82	
	16,9	20,4	85,98	30724	602,1	3	2,82	
	14,9	18	97,44	30724	682,3	3	2,82	
	12,7	15,3	114,34	30724	800,7	3	2,82	
	11,6	14	124,73	30724	873,5	3	2,82	
	10,7	12,9	136,06	30724	952,8	3	2,82	
	9,9	11,9	146,84	30724	1028,3	3	2,82	
	8,8	10,7	164,11	30724	1149,2	3	2,82	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	8,2	10	175,80	30724	1231,1	3	2,82	
	7,7	9,3	189,04	30724	1323,8	3	2,71	
	7,1	8,6	204,18	30724	1429,8	3	2,59	
	6,5	7,9	221,64	30724	1552,1	3	2,47	
	6	7,2	242,02	30724	1694,8	3	2,35	
	5,4	6,5	270,90	30724	1897,0	3	2,21	
	4,9	5,9	295,38	30724	2068,5	3	2,10	
1,5 (50 Hz)	**257**	310	5,65	2620	54,0	3	2,06	B_383_I90D
1,8 (60 Hz)	**233**	281	6,22	2620	59,4	3	2,06	
	201	242	7,22	2758	69,0	3	1,96	
	185	224	7,82	2758	74,7	3	1,86	
	164	198	8,85	2758	84,4	3	1,71	
	149	180	9,72	2758	92,8	3	1,61	
	135	163	10,72	2758	102,4	3	1,50	
	126	152	11,50	2745	109,8	3	2,06	
	115	138	12,65	2745	120,8	3	2,00	
	99	119	14,69	2745	140,3	3	1,72	
	91	110	15,91	2745	151,9	3	1,59	
	81	97	17,99	3229	171,8	3	1,41	
	73	88	19,78	3229	188,8	3	1,28	
	66	80	21,81	3229	208,2	3	1,16	
	60	72	24,16	3229	230,7	3	1,05	
	201	242	7,22	4590	69,0	3	2,06	B_483_I90D
	173	208	8,40	4590	80,2	3	2,06	
	156	188	9,32	4590	89,0	3	2,06	
	143	172	10,15	4590	96,9	3	2,06	
	121	146	11,95	4937	114,1	3	2,06	
	104	126	13,90	4937	132,7	3	2,06	
	94	113	15,42	4937	147,2	3	2,06	
	86	104	16,79	5111	160,3	3	2,06	
	77	93	18,78	5111	179,3	3	1,96	
	71	85	20,54	5111	196,1	3	1,88	
	64	78	22,54	5111	215,2	3	1,80	
	58	70	24,85	5111	237,3	3	1,71	
	53	64	27,55	5111	263,0	3	1,62	
	50	61	28,90	5454	275,9	3	1,58	
	43	52	33,60	5454	320,8	3	1,36	
	39	47	37,28	5454	356,0	3	1,22	
	36	43	40,60	5454	387,6	3	1,12	
	32	39	45,41	7077	433,5	3	1,01	
	271	326	5,36	11134	51,2	3	2,06	B_683_I90D
	225	272	6,44	11134	61,5	3	2,06	
	191	231	7,58	11134	72,4	3	2,06	
	171	206	8,50	11134	81,1	3	2,06	
	152	184	9,52	11134	90,9	3	2,06	
	139	168	10,40	11134	99,3	3	2,06	
	121	147	11,94	11134	114,0	3	2,06	
	101	122	14,35	11134	137,0	3	2,06	
	86	104	16,89	11134	161,3	3	2,06	
	77	92	18,93	11134	180,7	3	2,06	
	68	82	21,22	11134	202,6	3	2,06	
	63	76	23,16	11134	221,1	3	2,06	
	57	69	25,42	11134	242,7	3	2,06	
	52	63	27,99	11134	267,3	3	2,06	
	48	58	30,38	11134	290,1	3	2,06	
	44	53	32,78	11134	313,0	3	2,06	
	37	44	39,39	11134	376,0	3	2,06	
	31	38	46,37	11134	442,7	3	1,79	
	28	34	51,96	11134	496,1	3	1,60	
	25	30	58,23	11134	556,0	3	1,43	
	23	28	63,57	11134	606,9	3	1,31	
	21	25	69,78	11134	666,2	3	1,19	
	18,9	23	76,84	11134	733,6	3	1,08	
	17,4	21	83,40	11134	796,2	3	1,00	
	181	218	8,03	20070	76,6	3	2,07	B_883_I90D
	154	186	9,41	20070	89,8	3	2,07	
	86	104	16,85	20070	160,9	3	2,07	
	73	89	19,75	20070	188,6	3	2,07	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	62	74	23,54	20070	224,8	3	2,07	
	57	69	25,53	20070	243,8	3	2,07	
	51	61	28,50	20070	272,1	3	2,07	
	47	57	30,87	20070	294,7	3	2,07	
	29	35	49,80	20070	475,4	3	2,06	
	25	30	58,37	20070	557,3	3	2,06	
	21	25	69,57	20070	664,2	3	2,06	
	19,2	23	75,45	20070	720,3	3	2,06	
	17,2	21	84,21	20070	804,0	3	1,99	
	15,9	19,2	91,22	20070	870,9	3	1,83	
	14	16,9	103,38	20070	987,0	3	1,62	
	13	15,7	111,37	20070	1063,3	3	1,50	
	12	14,5	120,42	20070	1149,7	3	1,39	
	11,1	13,4	130,77	20070	1248,5	3	1,28	
	10	12,1	144,58	20070	1380,4	3	1,16	
	9,3	11,2	156,63	20070	1495,4	3	1,07	
	112	136	12,90	24848	123,1	3	2,07	B_1083_I90D
	63	76	23,08	24848	220,3	3	2,07	
	55	66	26,48	24848	252,8	3	2,07	
	46	56	31,25	24848	298,4	3	2,07	
	43	52	33,87	24848	323,4	3	2,07	
	24	29	61,22	24848	584,5	3	2,06	
	21	25	70,24	24848	670,6	3	2,06	
	17,5	21	82,90	24848	791,5	3	2,06	
	16,1	19,5	89,85	24848	857,9	3	2,06	
	14,5	17,5	99,90	24848	953,8	3	2,06	
	13,4	16,1	108,52	24848	1036,1	3	2,06	
	12,1	14,6	120,03	24848	1146,0	3	2,06	
	11,3	13,6	128,86	24848	1230,3	3	2,06	
	10,4	12,6	138,87	24848	1325,9	3	1,99	
	9,6	11,6	150,31	24848	1435,1	3	1,91	
	8,9	10,7	163,51	24848	1561,1	3	1,82	
	8,1	9,8	178,90	24848	1708,1	3	1,70	
	7,2	8,7	201,11	24848	1920,1	3	1,51	
	6,6	8	219,64	24848	2097,0	3	1,38	
	6	7,2	243,47	24848	2324,6	3	1,25	
	5,2	6,3	278,10	24848	2655,1	3	1,09	
	54	65	27,02	30724	257,9	3	2,06	B_1283_I90D
	47	57	30,61	30724	292,3	3	2,06	
	40	49	35,92	30724	343,0	3	2,06	
	37	45	39,19	30724	374,2	3	2,06	
	16,9	20,4	85,98	30724	820,9	3	2,06	
	14,9	18	97,44	30724	930,3	3	2,06	
	12,7	15,3	114,34	30724	1091,7	3	2,06	
	11,6	14	124,73	30724	1190,9	3	2,06	
	10,7	12,9	136,06	30724	1299,1	3	2,06	
	9,9	11,9	146,84	30724	1401,9	3	2,06	
	8,8	10,7	164,11	30724	1566,9	3	2,06	
	8,2	10	175,80	30724	1678,4	3	2,06	
	7,7	9,3	189,04	30724	1804,9	3	1,99	
	7,1	8,6	204,18	30724	1949,4	3	1,90	
	6,5	7,9	221,64	30724	2116,2	3	1,81	
	6	7,2	242,02	30724	2310,7	3	1,72	
	5,4	6,5	270,90	30724	2586,4	3	1,62	
	4,9	5,9	295,38	30724	2820,1	3	1,54	
2,2 (50 Hz)	**257**	310	5,65	2620	79,2	3	1,57	B_383_I100D
2,6 (60 Hz)	**233**	281	6,22	2620	87,1	3	1,48	
	201	242	7,22	2758	101,2	3	1,34	
	185	224	7,82	2758	109,5	3	1,27	
	164	198	8,85	2758	123,9	3	1,17	
	149	180	9,72	2758	136,1	3	1,10	
	135	163	10,72	2758	150,2	3	1,02	
	126	152	11,50	2745	161,1	3	1,50	
	115	138	12,65	2745	177,2	3	1,37	
	99	119	14,69	2745	205,8	3	1,17	
	91	110	15,91	2745	222,8	3	1,08	
	201	242	7,22	4590	101,2	3	2,78	B_483_I100D
	173	208	8,40	4590	117,6	3	2,39	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	156	188	9,32	4590	130,5	3	2,15	
	143	172	10,15	4590	142,1	3	1,98	
	121	146	11,95	4937	167,4	3	2,44	
	104	126	13,90	4937	194,7	3	2,20	
	94	113	15,42	4937	216,0	3	2,01	
	86	104	16,79	5111	235,2	3	1,85	
	77	93	18,78	5111	263,1	3	1,65	
	71	85	20,54	5111	287,6	3	1,51	
	64	78	22,54	5111	315,7	3	1,38	
	58	70	24,85	5111	348,0	3	1,25	
	53	64	27,55	5111	385,8	3	1,13	
	50	61	28,90	5454	404,7	3	1,08	
	271	326	5,36	11134	75,1	3	2,91	B_683_I100D
	225	272	6,44	11134	90,2	3	2,91	
	191	231	7,58	11134	106,2	3	2,91	
	171	206	8,50	11134	119,0	3	2,91	
	152	184	9,52	11134	133,4	3	2,91	
	139	168	10,40	11134	145,6	3	2,91	
	121	147	11,94	11134	167,3	3	2,91	
	101	122	14,35	11134	201,0	3	2,91	
	86	104	16,89	11134	236,6	3	2,91	
	77	92	18,93	11134	265,1	3	2,79	
	68	82	21,22	11134	297,1	3	2,58	
	63	76	23,16	11134	324,4	3	2,42	
	57	69	25,42	11134	356,0	3	2,23	
	52	63	27,99	11134	392,1	3	2,02	
	48	58	30,38	11134	425,5	3	1,87	
	44	53	32,78	11134	459,2	3	1,67	
	37	44	39,39	11134	551,6	3	1,44	
	31	38	46,37	11134	649,5	3	1,22	
	28	34	51,96	11134	727,7	3	1,09	
	262	316	5,54	20039	77,6	3	2,91	B_883_I100D
	217	262	6,69	20039	93,7	3	2,91	
	181	218	8,03	20070	112,4	3	2,91	
	154	186	9,41	20070	131,8	3	2,91	
	125	150	11,64	20070	163,0	3	2,91	
	103	125	14,04	20070	196,7	3	2,91	
	86	104	16,85	20070	236,0	3	2,91	
	73	89	19,75	20070	276,7	3	2,91	
	62	74	23,54	20070	329,7	3	2,91	
	57	69	25,53	20070	357,6	3	2,91	
	51	61	28,50	20070	399,2	3	2,80	
	47	57	30,87	20070	432,3	3	2,69	
	42	51	34,40	20070	481,7	3	2,91	
	35	42	41,50	20070	581,2	3	2,75	
	29	35	49,80	20070	697,4	3	2,29	
	25	30	58,37	20070	817,5	3	1,95	
	21	25	69,57	20070	974,3	3	1,64	
	19,2	23	75,45	20070	1056,7	3	1,51	
	17,2	21	84,21	20070	1179,5	3	1,35	
	15,9	19,2	91,22	20070	1277,5	3	1,25	
	14	16,9	103,38	20070	1447,9	3	1,10	
	13	15,7	111,37	20070	1559,8	3	1,02	
	155	187	9,36	24848	131,1	3	2,91	B_1083_I100D
	132	160	10,97	24848	153,6	3	2,91	
	112	136	12,90	24848	180,6	3	2,91	
	87	104	16,75	24848	234,7	3	2,91	
	74	89	19,63	24848	275,0	3	2,95	
	63	76	23,08	24848	323,2	3	2,91	
	55	66	26,48	24848	370,8	3	2,91	
	46	56	31,25	24848	437,7	3	2,91	
	43	52	33,87	24848	474,4	3	2,91	
	33	39	44,44	24848	622,5	3	2,91	
	28	34	52,08	24848	729,4	3	2,91	
	24	29	61,22	24848	857,4	3	2,91	
	21	25	70,24	24848	983,7	3	2,91	
	17,5	21	82,90	24848	1161,0	3	2,50	
	16,1	19,5	89,85	24848	1258,4	3	2,31	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	14,5	17,5	99,90	24848	1399,2	3	2,07	
	13,4	16,1	108,52	24848	1519,8	3	1,91	
	12,1	14,6	120,03	24848	1681,1	3	1,73	
	11,3	13,6	128,86	24848	1804,8	3	1,61	
	10,4	12,6	138,87	24848	1945,0	3	1,49	
	9,6	11,6	150,31	24848	2105,1	3	1,38	
	8,9	10,7	163,51	24848	2290,0	3	1,27	
	8,1	9,8	178,90	24848	2505,6	3	1,16	
	7,2	8,7	201,11	24848	2816,7	3	1,03	
	133	161	10,88	30724	152,4	3	2,93	B_1283_I100D
	115	139	12,56	30724	175,9	3	2,91	
	73	88	19,92	30724	279,0	3	2,91	
	63	76	22,99	30724	322,0	3	2,92	
	54	65	27,02	30724	378,4	3	2,91	
	47	57	30,61	30724	428,8	3	2,91	
	40	49	35,92	30724	503,1	3	2,91	
	37	45	39,19	30724	548,9	3	2,91	
	23	28	63,41	30724	888,0	3	2,91	
	19,8	24	73,18	30724	1024,9	3	2,91	
	16,9	20,4	85,98	30724	1204,3	3	2,91	
	14,9	18	97,44	30724	1364,7	3	2,91	
	12,7	15,3	114,34	30724	1601,4	3	2,84	
	11,6	14	124,73	30724	1747,0	3	2,60	
	10,7	12,9	136,06	30724	1905,7	3	2,39	
	9,9	11,9	146,84	30724	2056,5	3	2,21	
	8,8	10,7	164,11	30724	2298,5	3	1,98	
	8,2	10	175,80	30724	2462,2	3	1,85	
	7,7	9,3	189,04	30724	2647,6	3	1,72	
	7,1	8,6	204,18	30724	2859,6	3	1,59	
	6,5	7,9	221,64	30724	3104,3	3	1,46	
	6	7,2	242,02	30724	3389,6	3	1,34	
	5,4	6,5	270,90	30724	3794,1	3	1,20	
	4,9	5,9	295,38	30724	4136,9	3	1,10	
	63	75	23,19	53161	324,8	3	2,91	B_1483_I100D
	55	66	26,58	53161	372,3	3	2,91	
	19,6	24	73,80	57947	1033,6	3	2,91	
	17,1	21	84,61	57947	1185,0	3	2,91	
	14,3	17,2	101,53	57947	1422,0	3	2,91	
	12,9	15,6	112,35	57947	1573,5	3	2,91	
	11	13,3	131,49	57947	1841,6	3	2,91	
	10,2	12,3	142,41	57947	1994,5	3	2,83	
	9,1	11	158,93	57947	2225,9	3	2,74	
	8,6	10,4	168,50	57947	2360,0	3	2,64	
	7,6	9,2	191,02	57947	2675,3	3	2,54	
	7,1	8,6	204,38	57947	2862,5	3	2,40	
	6,7	8,1	214,96	57947	3010,6	3	3,39	
	6,3	7,5	231,95	57947	3248,6	3	3,16	
	5,8	7	251,55	57947	3523,1	3	2,00	
	5,3	6,4	274,42	57947	3843,4	3	1,86	
	4,7	5,7	306,08	57947	4286,8	3	1,69	
3 (50 Hz) 3,6 (60 Hz)	**201**	242	7,22	4590	138,0	3	2,04	B_483_I100D
	173	208	8,40	4590	160,4	3	1,75	
	156	188	9,32	4590	178,0	3	1,58	
	143	172	10,15	4590	193,8	3	1,45	
	121	146	11,95	4937	228,3	3	1,79	
	104	126	13,90	4937	265,5	3	1,61	
	94	113	15,42	4937	294,5	3	1,48	
	86	104	16,79	5111	320,8	3	1,36	
	77	93	18,78	5111	358,7	3	1,21	
	71	85	20,54	5111	392,2	3	1,11	
	64	78	22,54	5111	430,5	3	1,01	
	271	326	5,36	11134	102,4	3	2,13	B_683_I100D
	225	272	6,44	11134	123,0	3	2,13	
	191	231	7,58	11134	144,8	3	2,13	
	171	206	8,50	11134	162,3	3	2,13	
	152	184	9,52	11134	181,9	3	2,13	
	139	168	10,40	11134	198,6	3	2,13	
	121	147	11,94	11134	228,1	3	2,13	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	101	122	14,35	11134	274,1	3	2,13	
	86	104	16,89	11134	322,7	3	2,13	
	77	92	18,93	11134	361,6	3	2,05	
	68	82	21,22	11134	405,2	3	1,89	
	63	76	23,16	11134	442,3	3	1,78	
	57	69	25,42	11134	485,6	3	1,63	
	52	63	27,99	11134	534,7	3	1,48	
	48	58	30,38	11134	580,3	3	1,37	
	44	53	32,78	11134	626,2	3	1,22	
	37	44	39,39	11134	752,3	3	1,05	
	262	316	5,54	20039	105,9	3	2,13	B_883_I100D
	217	262	6,69	20039	127,7	3	2,13	
	181	218	8,03	20070	153,3	3	2,13	
	154	186	9,41	20070	179,7	3	2,13	
	125	150	11,64	20070	222,3	3	2,13	
	103	125	14,04	20070	268,2	3	2,13	
	86	104	16,85	20070	321,9	3	2,13	
	73	89	19,75	20070	377,3	3	2,13	
	62	74	23,54	20070	449,7	3	2,13	
	57	69	25,53	20070	487,7	3	2,13	
	51	61	28,50	20070	544,3	3	2,05	
	47	57	30,87	20070	589,6	3	1,97	
	42	51	34,40	20070	656,9	3	2,13	
	35	42	41,50	20070	792,6	3	2,02	
	29	35	49,80	20070	951,1	3	1,68	
	25	30	58,37	20070	1114,9	3	1,43	
	21	25	69,57	20070	1328,7	3	1,20	
	19,2	23	75,45	20070	1441,0	3	1,11	
	155	187	9,36	24848	178,8	3	2,13	B_1083_I100D
	132	160	10,97	24848	209,5	3	2,13	
	112	136	12,90	24848	246,3	3	2,13	
	87	104	16,75	24848	320,0	3	2,13	
	74	89	19,63	24848	375,0	3	2,17	
	63	76	23,08	24848	440,8	3	2,13	
	55	66	26,48	24848	505,7	3	2,13	
	46	56	31,25	24848	596,9	3	2,13	
	43	52	33,87	24848	647,0	3	2,13	
	33	39	44,44	24848	848,9	3	2,13	
	28	34	52,08	24848	994,6	3	2,13	
	24	29	61,22	24848	1169,2	3	2,13	
	21	25	70,24	24848	1341,5	3	2,13	
	17,5	21	82,90	24848	1583,3	3	1,83	
	16,1	19,5	89,85	24848	1716,2	3	1,69	
	14,5	17,5	99,90	24848	1908,1	3	1,52	
	13,4	16,1	108,52	24848	2072,6	3	1,40	
	12,1	14,6	120,03	24848	2292,6	3	1,27	
	11,3	13,6	128,86	24848	2461,2	3	1,18	
	10,4	12,6	138,87	24848	2652,4	3	1,09	
	9,6	11,6	150,31	24848	2870,9	3	1,01	
	133	161	10,88	30724	207,8	3	2,15	B_1283_I100D
	115	139	12,56	30724	239,9	3	2,13	
	73	88	19,92	30724	380,5	3	2,13	
	63	76	22,99	30724	439,1	3	2,14	
	54	65	27,02	30724	516,0	3	2,13	
	47	57	30,61	30724	584,7	3	2,13	
	40	49	35,92	30724	686,1	3	2,13	
	37	45	39,19	30724	748,5	3	2,13	
	23	28	63,41	30724	1211,1	3	2,13	
	19,8	24	73,18	30724	1397,7	3	2,13	
	16,9	20,4	85,98	30724	1642,3	3	2,13	
	14,9	18	97,44	30724	1861,0	3	2,13	
	12,7	15,3	114,34	30724	2183,9	3	2,08	
	11,6	14	124,73	30724	2382,4	3	1,91	
	10,7	12,9	136,06	30724	2598,8	3	1,75	
	9,9	11,9	146,84	30724	2804,6	3	1,62	
	8,8	10,7	164,11	30724	3134,5	3	1,45	
	8,2	10	175,80	30724	3357,7	3	1,35	
	7,7	9,3	189,04	30724	3610,7	3	1,26	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	7,1	8,6	204,18	30724	3899,8	3	1,17	
	6,5	7,9	221,64	30724	4233,4	3	1,07	
	63	75	23,19	53161	442,9	3	2,13	B_1483_I100D
	55	66	26,58	53161	507,8	3	2,13	
	19,6	24	73,80	57947	1409,6	3	2,13	
	17,1	21	84,61	57947	1616,1	3	2,13	
	14,3	17,2	101,53	57947	1939,3	3	2,13	
	12,9	15,6	112,35	57947	2145,9	3	2,13	
	11	13,3	131,49	57947	2511,5	3	2,13	
	10,2	12,3	142,41	57947	2719,9	3	2,08	
	9,1	11	158,93	57947	3035,6	3	2,01	
	8,6	10,4	168,50	57947	3218,3	3	1,93	
	7,6	9,2	191,02	57947	3648,4	3	1,86	
	7,1	8,6	204,38	57947	3903,7	3	1,76	
	6,7	8,1	214,96	57947	4105,7	3	2,48	
	6,3	7,5	231,95	57947	4430,1	3	2,32	
	5,8	7	251,55	57947	4804,5	3	1,47	
	5,3	6,4	274,42	57947	5241,3	3	1,36	
	4,7	5,7	306,08	57947	5846,1	3	1,24	
4 (50 Hz) 4,8 (60 Hz)	**271**	326	5,36	11134	136,5	3	2,14	B_683_I112D
	225	272	6,44	11134	164,0	3	2,14	
	191	231	7,58	11134	193,1	3	2,14	
	171	206	8,50	11134	216,4	3	2,14	
	152	184	9,52	11134	242,5	3	2,12	
	139	168	10,40	11134	264,8	3	2,00	
	121	147	11,94	11134	304,2	3	2,12	
	101	122	14,35	11134	365,4	3	1,86	
	86	104	16,89	11134	430,2	3	1,66	
	77	92	18,93	11134	482,1	3	1,53	
	68	82	21,22	11134	540,3	3	1,42	
	63	76	23,16	11134	589,8	3	1,33	
	57	69	25,42	11134	647,4	3	1,22	
	52	63	27,99	11134	712,9	3	1,11	
	262	316	5,54	20039	141,2	3	2,14	B_883_I112D
	217	262	6,69	20039	170,3	3	2,14	
	181	218	8,03	20070	204,4	3	2,14	
	154	186	9,41	20070	239,6	3	2,14	
	125	150	11,64	20070	296,4	3	2,14	
	103	125	14,04	20070	357,6	3	2,14	
	86	104	16,85	20070	429,2	3	2,14	
	73	89	19,75	20070	503,1	3	2,14	
	62	74	23,54	20070	599,6	3	2,12	
	57	69	25,53	20070	650,2	3	2,05	
	51	61	28,50	20070	725,8	3	1,94	
	47	57	30,87	20070	786,1	3	1,87	
	42	51	34,40	20070	875,9	3	1,82	
	35	42	41,50	20070	1056,8	3	1,51	
	29	35	49,80	20070	1268,1	3	1,26	
	25	30	58,37	20070	1486,5	3	1,07	
	189	228	7,68	24848	195,5	3	2,14	B_1083_I112D
	155	187	9,36	24848	238,4	3	2,14	
	132	160	10,97	24848	279,4	3	2,14	
	112	136	12,90	24848	328,4	3	2,14	
	106	127	13,74	24848	349,8	3	2,14	
	87	104	16,75	24848	426,7	3	2,14	
	74	89	19,63	24848	500,0	3	2,17	
	63	76	23,08	24848	587,7	3	2,14	
	55	66	26,48	24848	674,3	3	2,14	
	46	56	31,25	24848	795,9	3	2,14	
	43	52	33,87	24848	862,6	3	2,14	
	40	48	36,44	24848	928,0	3	2,14	
	33	39	44,44	24848	1131,8	3	2,14	
	28	34	52,08	24848	1326,2	3	2,14	
	24	29	61,22	24848	1559,0	3	1,86	
	21	25	70,24	24848	1788,7	3	1,62	
	17,5	21	82,90	24848	2111,1	3	1,38	
	16,1	19,5	89,85	24848	2288,2	3	1,27	
	14,5	17,5	99,90	24848	2544,1	3	1,14	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**$n_{2(50)}$ [1/min^{-1}]**	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	13,4	16,1	108,52	24848	2763,5	3	1,05	
	158	191	9,16	30724	233,2	3	2,14	B_1283_I112D
	133	161	10,88	30724	277,1	3	2,16	
	115	139	12,56	30724	319,8	3	2,14	
	87	104	16,76	30724	426,9	3	2,14	
	73	88	19,92	30724	507,3	3	2,14	
	63	76	22,99	30724	585,5	3	2,14	
	54	65	27,02	30724	688,0	3	2,14	
	47	57	30,61	30724	779,6	3	2,14	
	40	49	35,92	30724	914,9	3	2,14	
	37	45	39,19	30724	998,0	3	2,14	
	27	33	53,36	30724	1358,9	3	2,14	
	23	28	63,41	30724	1614,7	3	2,14	
	19,8	24	73,18	30724	1863,6	3	2,14	
	16,9	20,4	85,98	30724	2189,7	3	2,08	
	14,9	18	97,44	30724	2481,4	3	1,83	
	12,7	15,3	114,34	30724	2911,8	3	1,56	
	11,6	14	124,73	30724	3176,5	3	1,43	
	10,7	12,9	136,06	30724	3465,1	3	1,31	
	9,9	11,9	146,84	30724	3739,4	3	1,22	
	8,8	10,7	164,11	30724	4179,3	3	1,09	
	8,2	10	175,80	30724	4476,9	3	1,02	
	73	88	19,84	53161	505,4	3	2,14	B_1483_I112D
	63	75	23,19	53161	590,5	3	2,14	
	55	66	26,58	53161	677,0	3	2,14	
	47	57	30,74	55874	782,7	3	2,14	
	23	28	63,16	57947	1608,4	3	2,14	
	19,6	24	73,8	57947	1879,5	3	2,14	
	17,1	21	84,61	57947	2154,8	3	2,14	
	14,8	17,9	97,82	57947	2491,2	3	2,14	
	14,3	17,2	101,53	57947	2585,7	3	2,14	
	12,9	15,6	112,35	57947	2861,2	3	2,14	
	11	13,3	131,49	57947	3348,6	3	2,08	
	10,2	12,3	142,41	57947	3626,6	3	1,96	
	9,1	11	158,93	57947	4047,4	3	1,90	
	8,6	10,4	168,5	57947	4291,1	3	1,80	
	7,6	9,2	191,02	57947	4864,5	3	1,59	
	7,1	8,6	204,38	57947	5204,9	3	1,49	
	6,7	8,1	214,96	57947	5474,2	3	1,41	
	6,3	7,5	231,95	57947	5906,9	3	1,31	
	5,8	7	251,55	57947	6406,0	3	1,21	
	5,3	6,4	274,42	57947	6988,4	3	1,11	
5,5 (50 Hz) 6,6 (60 Hz)	**262**	316	5,54	20039	194,1	3	3,03	B_883_I132D
	217	262	6,69	20039	234,2	3	2,85	
	181	218	8,03	20070	281,0	3	2,67	
	154	186	9,41	20070	329,4	3	2,50	
	125	150	11,64	20070	407,6	3	3,03	
	103	125	14,04	20070	491,8	3	2,80	
	86	104	16,85	20070	590,1	3	2,46	
	73	89	19,75	20070	691,7	3	2,20	
	62	74	23,54	20070	824,4	3	1,94	
	57	69	25,53	20070	894,1	3	1,79	
	51	61	28,50	20070	998,0	3	1,60	
	47	57	30,87	20070	1081,0	3	1,48	
	42	51	34,40	20070	1204,4	3	1,33	
	35	42	41,50	20070	1453,1	3	1,10	
	189	228	7,68	24848	268,8	3	3,39	B_1083_I132D
	155	187	9,36	24848	327,8	3	3,22	
	132	160	10,97	24848	384,1	3	3,05	
	112	136	12,90	24848	451,6	3	2,87	
	106	127	13,74	24848	481,0	3	3,39	
	87	104	16,75	24848	586,7	3	3,22	
	74	89	19,63	24848	687,5	3	3,10	
	63	76	23,08	24848	808,1	3	2,87	
	55	66	26,48	24848	927,2	3	2,71	
	46	56	31,25	24848	1094,3	3	2,51	
	43	52	33,87	24848	1186,2	3	2,33	
	40	48	36,44	24848	1276,0	3	2,16	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	33	39	44,44	24848	1556,3	3	1,87	
	28	34	52,08	24848	1823,5	3	1,59	
	24	29	61,22	24848	2143,6	3	1,35	
	21	25	70,24	24848	2459,4	3	1,18	
	17,5	21	82,90	24848	2902,8	3	1,00	
	204	246	7,10	30724	248,7	3	3,68	B_1283_I132D
	176	212	8,26	30724	289,3	3	3,68	
	158	191	9,16	30724	320,7	3	3,68	
	133	161	10,88	30724	381,1	3	3,70	
	115	139	12,56	30724	439,8	3	3,68	
	112	135	13,00	30724	455,3	3	3,68	
	96	116	15,13	30724	529,7	3	3,68	
	87	104	16,76	30724	587,0	3	3,68	
	73	88	19,92	30724	697,6	3	3,68	
	63	76	22,99	30724	805,1	3	3,69	
	54	65	27,02	30724	946,0	3	3,58	
	47	57	30,61	30724	1072,0	3	3,43	
	40	49	35,92	30724	1258,0	3	3,24	
	37	45	39,19	30724	1372,3	3	3,13	
	35	42	41,38	30724	1449,0	3	3,14	
	30	36	48,14	30724	1685,8	3	2,70	
	27	33	53,36	30724	1868,5	3	2,43	
	23	28	63,41	30724	2220,3	3	2,05	
	19,8	24	73,18	30724	2562,4	3	1,77	
	16,9	20,4	85,98	30724	3010,9	3	1,51	
	14,9	18	97,44	30724	3412,0	3	1,33	
	12,7	15,3	114,34	30724	4003,8	3	1,14	
	11,6	14	124,73	30724	4367,8	3	1,04	
	195	235	7,44	45576	260,6	3	3,68	B_1483_I132D
	165	199	8,79	45576	307,7	3	3,68	
	96	116	15,05	49651	527,1	3	3,68	
	82	98	17,77	49651	622,4	3	3,68	
	73	88	19,84	53161	694,9	3	3,68	
	63	75	23,19	53161	812,0	3	3,58	
	55	66	26,58	53161	930,9	3	3,43	
	47	57	30,74	55874	1076,3	3	3,24	
	30	37	47,91	57947	1677,8	3	3,68	
	26	31	56,57	57947	1980,8	3	3,68	
	23	28	63,16	57947	2211,6	3	3,50	
	19,6	24	73,80	57947	2584,3	3	3,00	
	17,1	21	84,61	57947	2962,8	3	2,61	
	14,8	17,9	97,82	57947	3425,5	3	2,26	
	14,3	17,2	101,53	57947	3555,4	3	2,18	
	12,9	15,6	112,35	57947	3934,2	3	1,97	
	11	13,3	131,49	57947	4604,4	3	1,68	
	10,2	12,3	142,41	57947	4986,6	3	1,55	
	9,1	11	158,93	57947	5565,3	3	1,39	
	8,6	10,4	168,50	57947	5900,4	3	1,31	
	7,6	9,2	191,02	57947	6688,7	3	1,16	
	7,1	8,6	204,38	57947	7156,8	3	1,08	
	6,7	8,1	214,96	57947	7527,2	3	1,03	
	143	172	10,17	67960	356,3	3	3,68	B_1683_I132D
	124	150	11,67	73689	408,6	3	3,68	
	76	92	19,09	78320	668,6	3	3,68	
	66	80	21,90	78320	766,9	3	3,68	
	60	72	24,14	78320	845,2	3	3,68	
	51	61	28,54	86398	999,5	3	3,58	
	45	54	32,53	86398	1139,1	3	3,43	
	27	33	53,18	84289	1862,0	3	3,68	
	24	29	60,99	84289	2135,7	3	3,68	
	22	26	67,22	84289	2353,9	3	3,68	
	18,2	22	79,49	84289	2783,5	3	3,58	
	16	19,3	90,60	84289	3172,5	3	3,43	
	13,9	16,8	104,18	84289	3647,9	3	3,24	
	12,2	14,7	119,09	84289	4170,1	3	3,13	
	10,5	12,7	138,00	84289	4832,5	3	2,70	
	9,6	11,6	150,36	84289	5265,1	3	2,48	
	8,7	10,4	167,50	84289	5865,4	3	2,23	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	8,2	9,9	177,43	84289	6212,9	3	2,10	
	7,3	8,8	199,54	84289	6987,2	3	1,87	
	6,8	8,2	213,33	84289	7470,1	3	1,75	
	6,4	7,7	226,15	84289	7918,9	3	1,65	
	5,9	7,2	243,80	84289	8537,2	3	1,53	
	5,5	6,6	264,18	84289	9250,7	3	1,41	
	5	6,1	287,95	84289	10083,0	3	1,14	
7,5 (50 Hz)	**262**	316	5,54	20039	264,5	3	2,22	B_883_I132D
9 (60 Hz)	**217**	262	6,69	20039	319,1	3	2,09	
	181	218	8,03	20070	382,9	3	1,96	
	154	186	9,41	20070	448,9	3	1,83	
	125	150	11,64	20070	555,4	3	2,22	
	103	125	14,04	20070	670,1	3	2,05	
	86	104	16,85	20070	804,1	3	1,81	
	73	89	19,75	20070	942,6	3	1,62	
	62	74	23,54	20070	1123,3	3	1,42	
	57	69	25,53	20070	1218,3	3	1,31	
	51	61	28,50	20070	1359,8	3	1,17	
	47	57	30,87	20070	1472,9	3	1,08	
	189	228	7,68	24848	366,3	3	2,49	B_1083_I132D
	155	187	9,36	24848	446,7	3	2,36	
	132	160	10,97	24848	523,4	3	2,24	
	112	136	12,90	24848	615,3	3	2,11	
	106	127	13,74	24848	655,4	3	2,49	
	87	104	16,75	24848	799,4	3	2,36	
	74	89	19,63	24848	936,7	3	2,27	
	63	76	23,08	24848	1101,1	3	2,11	
	55	66	26,48	24848	1263,4	3	1,98	
	46	56	31,25	24848	1491,1	3	1,84	
	43	52	33,87	24848	1616,2	3	1,71	
	40	48	36,44	24848	1738,6	3	1,59	
	33	39	44,44	24848	2120,6	3	1,37	
	28	34	52,08	24848	2484,8	3	1,17	
	204	246	7,10	30724	338,9	3	2,70	B_1283_I132D
	176	212	8,26	30724	394,2	3	2,70	
	158	191	9,16	30724	436,9	3	2,70	
	133	161	10,88	30724	519,2	3	2,71	
	115	139	12,56	30724	599,2	3	2,70	
	112	135	13,00	30724	620,3	3	2,70	
	96	116	15,13	30724	721,7	3	2,70	
	87	104	16,76	30724	799,9	3	2,70	
	73	88	19,92	30724	950,5	3	2,70	
	63	76	22,99	30724	1097,0	3	2,71	
	54	65	27,02	30724	1289,0	3	2,63	
	47	57	30,61	30724	1460,7	3	2,52	
	40	49	35,92	30724	1714,1	3	2,37	
	37	45	39,19	30724	1869,9	3	2,29	
	35	42	41,38	30724	1974,4	3	2,30	
	30	36	48,14	30724	2297,1	3	1,98	
	27	33	53,36	30724	2546,0	3	1,79	
	23	28	63,41	30724	3025,4	3	1,50	
	19,8	24	73,18	30724	3491,6	3	1,30	
	16,9	20,4	85,98	30724	4102,6	3	1,11	
	195	235	7,44	45576	355,1	3	2,70	B_1483_I132D
	165	199	8,79	45576	419,2	3	2,70	
	96	116	15,05	49651	718,3	3	2,70	
	82	98	17,77	49651	848,0	3	2,70	
	73	88	19,84	53161	946,8	3	2,70	
	63	75	23,19	53161	1106,4	3	2,63	
	55	66	26,58	53161	1268,4	3	2,52	
	47	57	30,74	55874	1466,5	3	2,37	
	30	37	47,91	57947	2286,2	3	2,70	
	26	31	56,57	57947	2699,1	3	2,70	
	23	28	63,16	57947	3013,6	3	2,57	
	19,6	24	73,80	57947	3521,4	3	2,20	
	17,1	21	84,61	57947	4037,2	3	1,92	
	14,8	17,9	97,82	57947	4667,6	3	1,66	
	14,3	17,2	101,53	57947	4844,6	3	1,60	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	12,9	15,6	112,35	57947	5360,7	3	1,44	
	11	13,3	131,49	57947	6274,0	3	1,23	
	10,2	12,3	142,41	57947	6794,7	3	1,14	
	9,1	11	158,93	57947	7583,3	3	1,02	
	143	172	10,17	67960	485,4	3	2,70	B_1683_I132D
	124	150	11,67	73689	556,8	3	2,70	
	76	92	19,09	78320	911,0	3	2,70	
	66	80	21,90	78320	1044,9	3	2,70	
	60	72	24,14	78320	1151,7	3	2,70	
	51	61	28,54	86398	1361,9	3	2,63	
	45	54	32,53	86398	1552,2	3	2,52	
	27	33	53,18	84289	2537,2	3	2,70	
	24	29	60,99	84289	2910,1	3	2,70	
	22	26	67,22	84289	3207,4	3	2,70	
	18,2	22	79,49	84289	3792,7	3	2,63	
	16	19,3	90,60	84289	4322,8	3	2,52	
	13,9	16,8	104,18	84289	4970,7	3	2,37	
	12,2	14,7	119,09	84289	5682,2	3	2,29	
	10,5	12,7	138,00	84289	6584,7	3	1,98	
	9,6	11,6	150,36	84289	7174,2	3	1,82	
	8,7	10,4	167,50	84289	7992,2	3	1,63	
	8,2	9,9	177,43	84289	8465,7	3	1,54	
	7,3	8,8	199,54	84289	9520,8	3	1,37	
	6,8	8,2	213,33	84289	10178,7	3	1,28	
	6,4	7,7	226,15	84289	10790,3	3	1,21	
	5,9	7,2	243,80	84289	11632,8	3	1,12	
	5,5	6,6	264,18	84289	12605,0	3	1,03	
9,2 (50 Hz) 11 (60 Hz)	**262**	316	5,54	20039	324,7	3	1,81	B_883_I132D
	217	262	6,69	20039	391,7	3	1,71	
	181	218	8,03	20070	470,1	3	1,60	
	154	186	9,41	20070	551,0	3	1,49	
	125	150	11,64	20070	681,8	3	1,81	
	103	125	14,04	20070	822,6	3	1,67	
	86	104	16,85	20070	987,1	3	1,47	
	73	89	19,75	20070	1157,0	3	1,32	
	62	74	23,54	20070	1379,0	3	1,16	
	57	69	25,53	20070	1495,5	3	1,07	
	189	228	7,68	24848	449,6	3	2,03	B_1083_I132D
	155	187	9,36	24848	548,4	3	1,92	
	132	160	10,97	24848	642,6	3	1,83	
	112	136	12,90	24848	755,3	3	1,72	
	106	127	13,74	24848	804,6	3	2,03	
	87	104	16,75	24848	981,4	3	1,92	
	74	89	19,63	24848	1149,9	3	1,85	
	63	76	23,08	24848	1351,7	3	1,72	
	55	66	26,48	24848	1550,9	3	1,62	
	46	56	31,25	24848	1830,4	3	1,50	
	43	52	33,87	24848	1984,0	3	1,39	
	40	48	36,44	24848	2134,3	3	1,29	
	33	39	44,44	24848	2603,1	3	1,11	
	204	246	7,10	30724	416,0	3	2,20	B_1283_I132D
	176	212	8,26	30724	483,9	3	2,20	
	158	191	9,16	30724	536,4	3	2,20	
	133	161	10,88	30724	637,4	3	2,21	
	115	139	12,56	30724	735,6	3	2,20	
	112	135	13,00	30724	761,5	3	2,20	
	96	116	15,13	30724	886,0	3	2,20	
	87	104	16,76	30724	981,9	3	2,20	
	73	88	19,92	30724	1166,9	3	2,20	
	63	76	22,99	30724	1346,7	3	2,21	
	54	65	27,02	30724	1582,3	3	2,14	
	47	57	30,61	30724	1793,1	3	2,05	
	40	49	35,92	30724	2104,2	3	1,93	
	37	45	39,19	30724	2295,4	3	1,87	
	35	42	41,38	30724	2423,7	3	1,88	
	30	36	48,14	30724	2819,8	3	1,61	
	27	33	53,36	30724	3125,3	3	1,46	
	23	28	63,41	30724	3713,8	3	1,22	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	19,8	24	73,18	30724	4286,1	3	1,06	
	195	235	7,44	45576	435,9	3	2,20	B_1483_I132D
	165	199	8,79	45576	514,7	3	2,20	
	96	116	15,05	49651	881,7	3	2,20	
	82	98	17,77	49651	1041,0	3	2,20	
	73	88	19,84	53161	1162,3	3	2,20	
	63	75	23,19	53161	1358,1	3	2,14	
	55	66	26,58	53161	1557,1	3	2,05	
	47	57	30,74	55874	1800,2	3	1,93	
	30	37	47,91	57947	2806,4	3	2,20	
	26	31	56,57	57947	3313,3	3	2,20	
	23	28	63,16	57947	3699,4	3	2,09	
	19,6	24	73,80	57947	4322,7	3	1,79	
	17,1	21	84,61	57947	4955,9	3	1,56	
	14,8	17,9	97,82	57947	5729,7	3	1,35	
	14,3	17,2	101,53	57947	5947,0	3	1,30	
	12,9	15,6	112,35	57947	6580,6	3	1,18	
	11	13,3	131,49	57947	7701,7	3	1,01	
	143	172	10,17	67960	595,9	3	2,20	B_1683_I132D
	124	150	11,67	73689	683,5	3	2,20	
	76	92	19,09	78320	1118,4	3	2,20	
	66	80	21,90	78320	1282,7	3	2,20	
	60	72	24,14	78320	1413,8	3	2,20	
	51	61	28,54	86398	1671,8	3	2,14	
	45	54	32,53	86398	1905,4	3	2,05	
	27	33	53,18	84289	3114,6	3	2,20	
	24	29	60,99	84289	3572,3	3	2,20	
	22	26	67,22	84289	3937,3	3	2,20	
	18,2	22	79,49	84289	4655,8	3	2,14	
	16	19,3	90,60	84289	5306,5	3	2,05	
	13,9	16,8	104,18	84289	6101,8	3	1,93	
	12,2	14,7	119,09	84289	6975,2	3	1,87	
	10,5	12,7	138,00	84289	8083,2	3	1,62	
	9,6	11,6	150,36	84289	8806,8	3	1,48	
	8,7	10,4	167,50	84289	9810,9	3	1,33	
	8,2	9,9	177,43	84289	10392,2	3	1,26	
	7,3	8,8	199,54	84289	11687,4	3	1,12	
	6,8	8,2	213,33	84289	12495,0	3	1,04	
11 (50 Hz) 13 (60 Hz)	**189**	228	7,68	24848	537,6	3	2,55	B_1083_I160D
	155	187	9,36	24848	655,7	3	2,12	
	132	160	10,97	24848	768,3	3	1,83	
	112	136	12,90	24848	903,1	3	1,57	
	106	127	13,74	24848	962,0	3	2,40	
	87	104	16,75	24848	1173,4	3	2,09	
	74	89	19,63	24848	1374,9	3	1,90	
	63	76	23,08	24848	1616,2	3	1,66	
	55	66	26,48	24848	1854,3	3	1,46	
	46	56	31,25	24848	2188,6	3	1,25	
	43	52	33,87	24848	2372,3	3	1,16	
	40	48	36,44	24848	2551,9	3	1,08	
	204	246	7,10	30724	497,4	3	2,56	B_1283_I160D
	176	212	8,26	30724	578,6	3	2,56	
	158	191	9,16	30724	641,3	3	2,56	
	133	161	10,88	30724	762,1	3	2,57	
	115	139	12,56	30724	879,5	3	2,45	
	112	135	13,00	30724	910,5	3	2,56	
	96	116	15,13	30724	1059,3	3	2,56	
	87	104	16,76	30724	1174,1	3	2,56	
	73	88	19,92	30724	1395,2	3	2,56	
	63	76	22,99	30724	1610,2	3	2,46	
	54	65	27,02	30724	1891,9	3	2,27	
	47	57	30,61	30724	2144,0	3	2,11	
	40	49	35,92	30724	2515,9	3	1,81	
	37	45	39,19	30724	2744,6	3	1,66	
	35	42	41,38	30724	2898,0	3	1,57	
	30	36	48,14	30724	3371,6	3	1,35	
	27	33	53,36	30724	3736,9	3	1,22	
	23	28	63,41	30724	4440,5	3	1,02	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	300	362	4,83	40955	338,3	3	2,56	B_1483_I160D
	226	272	6,43	40955	450,1	3	2,56	
	195	235	7,44	45576	521,2	3	2,56	
	165	199	8,79	45576	615,4	3	2,56	
	148	179	9,77	45576	684,3	3	2,56	
	112	135	13,00	49651	910,5	3	2,56	
	96	116	15,05	49651	1054,3	3	2,56	
	82	98	17,77	49651	1244,7	3	2,56	
	73	88	19,84	53161	1389,7	3	2,45	
	63	75	23,19	53161	1623,9	3	2,27	
	55	66	26,58	53161	1861,8	3	2,14	
	47	57	30,74	55874	2152,5	3	1,99	
	47	56	31,10	55874	2178,1	3	2,56	
	35	42	41,38	55874	2898,0	3	2,37	
	30	37	47,91	57947	3355,5	3	2,31	
	26	31	56,57	57947	3961,6	3	1,95	
	23	28	63,16	57947	4423,2	3	1,75	
	19,6	24	73,80	57947	5168,5	3	1,50	
	17,1	21	84,61	57947	5925,6	3	1,31	
	14,8	17,9	97,82	57947	6850,9	3	1,13	
	14,3	17,2	101,53	57947	7110,7	3	1,09	
	219	265	6,61	61270	463,0	3	2,56	B_1683_I160D
	168	203	8,64	67960	605,0	3	2,56	
	143	172	10,17	67960	712,5	3	2,56	
	124	150	11,67	73689	817,2	3	2,56	
	117	141	12,41	73689	868,9	3	2,56	
	89	108	16,21	73689	1135,3	3	2,56	
	76	92	19,09	78320	1337,2	3	2,56	
	66	80	21,90	78320	1533,7	3	2,56	
	60	72	24,14	78320	1690,4	3	2,45	
	51	61	28,54	86398	1998,9	3	2,27	
	45	54	32,53	86398	2278,3	3	2,14	
	42	51	34,55	86398	2419,9	3	2,56	
	32	39	45,15	84289	3161,9	3	2,56	
	27	33	53,18	84289	3724,0	3	2,56	
	24	29	60,99	84289	4271,3	3	2,56	
	22	26	67,22	84289	4707,7	3	2,45	
	18,2	22	79,49	84289	5566,8	3	2,27	
	16	19,3	90,60	84289	6344,8	3	2,06	
	13,9	16,8	104,18	84289	7295,8	3	1,79	
	12,2	14,7	119,09	84289	8340,0	3	1,57	
	10,5	12,7	138,00	84289	9664,8	3	1,35	
	9,6	11,6	150,36	84289	10530,0	3	1,24	
	8,7	10,4	167,50	84289	11730,6	3	1,11	
	8,2	9,9	177,43	84289	12425,7	3	1,05	
15 (50 Hz) 18 (60 Hz)	**189**	228	7,68	24848	733,1	3	1,87	B_1083_I160D
	155	187	9,36	24848	894,1	3	1,55	
	132	160	10,97	24848	1047,7	3	1,34	
	112	136	12,90	24848	1231,5	3	1,15	
	106	127	13,74	24848	1311,9	3	1,76	
	87	104	16,75	24848	1600,1	3	1,53	
	74	89	19,63	24848	1874,9	3	1,37	
	63	76	23,08	24848	2203,9	3	1,22	
	55	66	26,48	24848	2528,6	3	1,07	
	204	246	7,10	30724	678,2	3	1,87	B_1283_I160D
	176	212	8,26	30724	789,1	3	1,87	
	158	191	9,16	30724	874,5	3	1,87	
	133	161	10,88	30724	1039,2	3	1,89	
	115	139	12,56	30724	1199,4	3	1,80	
	112	135	13,00	30724	1241,6	3	1,87	
	96	116	15,13	30724	1444,5	3	1,87	
	87	104	16,76	30724	1601,0	3	1,87	
	73	88	19,92	30724	1902,5	3	1,87	
	63	76	22,99	30724	2195,7	3	1,80	
	54	65	27,02	30724	2579,9	3	1,67	
	47	57	30,61	30724	2923,6	3	1,55	
	40	49	35,92	30724	3430,7	3	1,33	
	37	45	39,19	30724	3742,6	3	1,21	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	35	42	41,38	30724	3951,8	3	1,15	
	300	362	4,83	40955	461,3	3	1,87	B_1483_I160D
	226	272	6,43	40955	613,8	3	1,87	
	195	235	7,44	45576	710,7	3	1,87	
	165	199	8,79	45576	839,1	3	1,87	
	148	179	9,77	45576	933,2	3	1,87	
	112	135	13,00	49651	1241,6	3	1,87	
	96	116	15,05	49651	1437,6	3	1,87	
	82	98	17,77	49651	1697,3	3	1,87	
	73	88	19,84	53161	1895,1	3	1,80	
	63	75	23,19	53161	2214,4	3	1,67	
	55	66	26,58	53161	2538,8	3	1,57	
	47	57	30,74	55874	2935,2	3	1,46	
	47	56	31,10	55874	2970,1	3	1,87	
	35	42	41,38	55874	3951,8	3	1,74	
	30	37	47,91	57947	4575,7	3	1,69	
	26	31	56,57	57947	5402,2	3	1,43	
	23	28	63,16	57947	6031,7	3	1,28	
	19,6	24	73,80	57947	7048,0	3	1,10	
	219	265	6,61	61270	631,3	3	1,87	B_1683_I160D
	168	203	8,64	67960	824,9	3	1,87	
	143	172	10,17	67960	971,6	3	1,87	
	124	150	11,67	73689	1114,4	3	1,87	
	117	141	12,41	73689	1184,9	3	1,87	
	89	108	16,21	73689	1548,2	3	1,87	
	76	92	19,09	78320	1823,4	3	1,87	
	66	80	21,90	78320	2091,4	3	1,87	
	60	72	24,14	78320	2305,1	3	1,80	
	51	61	28,54	86398	2725,8	3	1,67	
	45	54	32,53	86398	3106,7	3	1,57	
	42	51	34,55	86398	3299,9	3	1,87	
	32	39	45,15	84289	4311,7	3	1,87	
	27	33	53,18	84289	5078,2	3	1,87	
	24	29	60,99	84289	5824,5	3	1,87	
	22	26	67,22	84289	6419,6	3	1,80	
	18,2	22	79,49	84289	7591,1	3	1,67	
	16	19,3	90,60	84289	8652,1	3	1,51	
	13,9	16,8	104,18	84289	9948,8	3	1,31	
	12,2	14,7	119,09	84289	11372,8	3	1,15	
18,5 (50 Hz) 22 (60 Hz)	**204**	246	7,10	30724	836,2	3	3,10	B_1283_I180D
	176	212	8,26	30724	972,8	3	2,86	
	158	191	9,16	30724	1078,2	3	2,61	
	133	161	10,88	30724	1281,3	3	2,26	
	115	139	12,56	30724	1478,7	3	1,98	
	112	135	13,00	30724	1530,8	3	2,51	
	96	116	15,13	30724	1781,0	3	2,26	
	87	104	16,76	30724	1973,9	3	2,10	
	73	88	19,92	30724	2345,6	3	1,87	
	63	76	22,99	30724	2707,1	3	1,64	
	54	65	27,02	30724	3180,8	3	1,41	
	47	57	30,61	30724	3604,5	3	1,25	
	40	49	35,92	30724	4229,8	3	1,07	
	300	362	4,83	40955	568,8	3	3,10	B_1483_I180D
	226	272	6,43	40955	756,8	3	3,10	
	195	235	7,44	45576	876,3	3	3,10	
	165	199	8,79	45576	1034,6	3	3,07	
	148	179	9,77	45576	1150,5	3	3,10	
	112	135	13,00	49651	1530,8	3	3,10	
	96	116	15,05	49651	1772,5	3	3,10	
	82	98	17,77	49651	2092,6	3	3,07	
	73	88	19,84	53161	2336,5	3	2,92	
	63	75	23,19	53161	2730,1	3	2,71	
	55	66	26,58	53161	3130,1	3	2,39	
	47	57	30,74	55874	3618,8	3	2,09	
	47	56	31,10	55874	3661,8	3	2,11	
	35	42	41,38	55874	4872,2	3	1,59	
	30	37	47,91	57947	5641,5	3	1,37	
	26	31	56,57	57947	6660,4	3	1,16	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	23	28	63,16	57947	7436,5	3	1,04	
	219	265	6,61	61270	778,4	3	3,10	B_1683_I180D
	168	203	8,64	67960	1017,1	3	3,10	
	143	172	10,17	67960	1197,9	3	3,10	
	124	150	11,67	73689	1373,9	3	3,07	
	117	141	12,41	73689	1460,9	3	3,10	
	89	108	16,21	73689	1908,8	3	3,10	
	76	92	19,09	78320	2248,1	3	3,10	
	66	80	21,90	78320	2578,5	3	3,07	
	60	72	24,14	78320	2842,0	3	2,92	
	51	61	28,54	86398	3360,6	3	2,78	
	45	54	32,53	86398	3830,3	3	2,71	
	42	51	34,55	86398	4068,4	3	3,10	
	32	39	45,15	84289	5315,9	3	2,46	
	27	33	53,18	84289	6260,9	3	2,09	
	24	29	60,99	84289	7181,1	3	1,82	
	22	26	67,22	84289	7914,8	3	1,65	
	18,2	22	79,49	84289	9359,2	3	1,40	
	16	19,3	90,60	84289	10667,2	3	1,22	
	13,9	16,8	104,18	84289	12265,9	3	1,06	
22 (50 Hz)	**204**	246	7,10	30724	994,6	3	2,60	B_1283_I180D
26 (60 Hz)	**176**	212	8,26	30724	1157,2	3	2,40	
	158	191	9,16	30724	1282,6	3	2,20	
	133	161	10,88	30724	1524,1	3	1,90	
	115	139	12,56	30724	1759,0	3	1,66	
	112	135	13,00	30724	1820,9	3	2,11	
	96	116	15,13	30724	2118,5	3	1,90	
	87	104	16,76	30724	2348,0	3	1,77	
	73	88	19,92	30724	2790,2	3	1,57	
	63	76	22,99	30724	3220,1	3	1,38	
	54	65	27,02	30724	3783,6	3	1,18	
	47	57	30,61	30724	4287,6	3	1,05	
	300	362	4,83	40955	676,6	3	2,60	B_1483_I180D
	226	272	6,43	40955	900,2	3	2,60	
	195	235	7,44	45576	1042,4	3	2,60	
	165	199	8,79	45576	1230,6	3	2,58	
	148	179	9,77	45576	1368,5	3	2,60	
	112	135	13,00	49651	1820,9	3	2,60	
	96	116	15,05	49651	2108,4	3	2,60	
	82	98	17,77	49651	2489,2	3	2,58	
	73	88	19,84	53161	2779,3	3	2,45	
	63	75	23,19	53161	3247,6	3	2,28	
	55	66	26,58	53161	3723,3	3	2,01	
	47	57	30,74	55874	4304,7	3	1,76	
	47	56	31,10	55874	4355,8	3	1,78	
	35	42	41,38	55874	5795,5	3	1,34	
	30	37	47,91	57947	6710,6	3	1,15	
	219	265	6,61	61270	925,9	3	2,60	B_1683_I180D
	168	203	8,64	67960	1209,8	3	2,60	
	143	172	10,17	67960	1424,9	3	2,60	
	124	150	11,67	73689	1634,3	3	2,58	
	117	141	12,41	73689	1737,7	3	2,60	
	89	108	16,21	73689	2270,5	3	2,60	
	76	92	19,09	78320	2674,2	3	2,60	
	66	80	21,90	78320	3067,2	3	2,58	
	60	72	24,14	78320	3380,6	3	2,45	
	51	61	28,54	86398	3997,5	3	2,33	
	45	54	32,53	86398	4556,2	3	2,28	
	42	51	34,55	86398	4839,5	3	2,60	
	32	39	45,15	84289	6323,3	3	2,07	
	27	33	53,18	84289	7447,5	3	1,75	
	24	29	60,99	84289	8542,1	3	1,53	
	22	26	67,22	84289	9414,8	3	1,39	
	18,2	22	79,49	84289	11132,9	3	1,17	
	16	19,3	90,60	84289	12688,8	3	1,03	
30 (50 Hz)	**204**	246	7,10	30724	1356,4	3	1,91	B_1283_I200D
36 (60 Hz)	**176**	212	8,26	30724	1578,1	3	1,76	
	158	191	9,16	30724	1749,1	3	1,61	

Quantis® reducers

RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	133	161	10,88	30724	2078,5	3	1,39	
	115	139	12,56	30724	2398,7	3	1,22	
	112	135	13,00	30724	2483,2	3	1,55	
	96	116	15,13	30724	2889,1	3	1,39	
	87	104	16,76	30724	3202,0	3	1,30	
	73	88	19,92	30724	3805,0	3	1,15	
	63	76	22,99	30724	4391,4	3	1,01	
	300	362	4,83	40955	922,7	3	1,91	B_1483_I200D
	226	272	6,43	40955	1227,7	3	1,91	
	195	235	7,44	45576	1421,5	3	1,91	
	165	199	8,79	45576	1678,2	3	1,89	
	148	179	9,77	45576	1866,3	3	1,91	
	112	135	13,00	49651	2483,2	3	1,91	
	96	116	15,05	49651	2875,3	3	1,91	
	82	98	17,77	49651	3394,6	3	1,89	
	73	88	19,84	53161	3790,2	3	1,80	
	63	75	23,19	53161	4428,8	3	1,67	
	55	66	26,58	53161	5077,5	3	1,47	
	47	57	30,74	55874	5870,4	3	1,29	
	47	56	31,10	55874	5940,1	3	1,30	
	219	265	6,61	61270	1262,7	3	1,91	B_1683_I200D
	168	203	8,64	67960	1649,9	3	1,91	
	143	172	10,17	67960	1943,2	3	1,91	
	124	150	11,67	73689	2228,8	3	1,89	
	117	141	12,41	73689	2369,8	3	1,91	
	89	108	16,21	73689	3096,4	3	1,91	
	76	92	19,09	78320	3646,9	3	1,91	
	66	80	21,90	78320	4182,9	3	1,89	
	60	72	24,14	78320	4610,2	3	1,80	
	51	61	28,54	86398	5451,6	3	1,71	
	45	54	32,53	86398	6213,5	3	1,67	
	42	51	34,55	86398	6599,7	3	1,91	
	32	39	45,15	84289	8623,3	3	1,51	
	27	33	53,18	84289	10156,4	3	1,29	
	24	29	60,99	84289	11649,1	3	1,12	
	22	26	67,22	84289	12839,2	3	1,02	
37 (50 Hz)	**300**	362	4,83	40955	1138,0	3	2,27	B_1483_I225D
44 (60 Hz)	**226**	272	6,43	40955	1514,1	3	2,11	
	195	235	7,44	45576	1753,2	3	1,95	
	165	199	8,79	45576	2069,9	3	1,76	
	148	179	9,77	45576	2301,8	3	2,27	
	112	135	13,00	49651	3062,7	3	2,11	
	96	116	15,05	49651	3546,3	3	1,95	
	82	98	17,77	49651	4186,8	3	1,73	
	73	88	19,84	53161	4674,6	3	1,56	
	63	75	23,19	53161	5462,3	3	1,35	
	55	66	26,58	53161	6262,4	3	1,19	
	47	57	30,74	55874	7240,3	3	1,04	
	47	56	31,10	55874	7326,3	3	1,06	
	219	265	6,61	61270	1557	3	1,95	B_1683_I225D
	168	203	8,64	67960	2035	3	1,89	
	143	172	10,17	67960	2397	3	1,84	
	124	150	11,67	73689	2749	3	1,77	
	117	141	12,41	73689	2923	3	1,95	
	89	108	16,21	73689	3819	3	1,89	
	76	92	19,09	78320	4498	3	1,84	
	66	80	21,90	78320	5159	3	1,77	
	60	72	24,14	78320	5686	3	1,67	
	51	61	28,54	86398	6724	3	1,49	
	45	54	32,53	86398	7663	3	1,36	
	42	51	34,55	86398	8140	3	1,60	
	32	39	45,15	84289	10636	3	1,23	
	27	33	53,18	84289	12526	3	1,04	
45 (50 Hz)	**300**	362	4,83	40955	1384,0	3	1,87	B_1483_I225D
54 (60 Hz)	**226**	272	6,43	40955	1841,5	3	1,74	
	195	235	7,44	45576	2132,2	3	1,60	
	165	199	8,79	45576	2517,4	3	1,45	
	148	179	9,77	45576	2799,5	3	1,87	

Quantis® reducers
RHB B5 flange gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**$n_{2(50)}$ [1/min^{-1}]**	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	112	135	13,00	49651	3724,8	3	1,74	
	96	116	15,05	49651	4312,9	3	1,60	
	82	98	17,77	49651	5092,0	3	1,42	
	73	88	19,84	53161	5685,2	3	1,28	
	63	75	23,19	53161	6643,2	3	1,11	
	219	265	6,61	61270	1894,0	3	1,60	B_1683_I225D
	168	203	8,64	67960	2474,8	3	1,55	
	143	172	10,17	67960	2914,8	3	1,52	
	124	150	11,67	73689	3343,2	3	1,46	
	117	141	12,41	73689	3554,7	3	1,60	
	89	108	16,21	73689	4644,6	3	1,55	
	76	92	19,09	78320	5470,3	3	1,52	
	66	80	21,90	78320	6274,3	3	1,46	
	60	72	24,14	78320	6915,3	3	1,38	
	51	61	28,54	86398	8177,3	3	1,23	
	45	54	32,53	86398	9320,2	3	1,12	
	42	51	34,55	86398	9899,6	3	1,32	
	32	39	45,15	84289	12935,0	3	1,01	
55 (50 Hz)	**219**	265	6,61	61270	2315,0	3	1,36	B_1683_I250D
66 (60 Hz)	**168**	203	8,64	67960	3024,8	3	1,32	
	143	172	10,17	67960	3562,5	3	1,28	
	124	150	11,67	73689	4086,1	3	1,18	
	117	141	12,41	73689	4344,7	3	1,36	
	89	108	16,21	73689	5676,8	3	1,32	
	76	92	19,09	78320	6686,0	3	1,28	
	66	80	21,90	78320	7668,7	3	1,18	
	60	72	24,14	78320	8452,2	3	1,11	

Quantis® reducers

RHB B5 flanged reducer selection

B_38 - IEC

Clamp collar – 3 pc coupled – free input

P_{Mot} = Input Power (max.) *
$n_{2(50)}$ = Output speed at 1450 RPM (50Hz)
$n_{2(60)}$ = Output speed at 1750 RPM (60Hz)
(i) = Ratio of gear
F_R = Overhung Load *
T_2 = Output torque
ST = Gear Stage
f_B = Service Factor

* For standard shaft diameters; for optional shaft diameters see page 91-92.

Output rating					IEC motor adapter							
					71		80		90		100	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
257	310	5,65	2620	3	1,25	46	1,52	57	3,09	115	3,46	129
233	281	6,22	2620	3	1,25	51	1,52	62	3,09	127	3,25	133
201	242	7,22	2758	3	1,25	59	1,52	72	2,94	147	2,94	140
185	224	7,82	2758	3	1,25	64	1,52	78	2,79	159	2,79	143
164	198	8,85	2758	3	1,25	73	1,52	88	2,56	159	2,56	149
149	180	9,72	2758	3	1,25	80	1,52	97	2,41	159	2,41	154
135	163	10,72	2758	3	1,25	88	1,52	107	2,25	159	2,25	159
126	152	11,50	2745	3	1,25	94	1,52	115	3,09	234	3,30	250
115	138	12,65	2745	3	1,25	104	1,52	127	3,00	250	3,00	250
99	119	14,69	2745	3	1,25	121	1,52	147	2,58	250	2,58	250
91	110	15,91	2745	3	1,25	131	1,52	159	2,39	250	2,39	250
81	97	17,99	3229	3	1,25	148	1,52	180	2,11	250	2,11	250
73	88	19,78	3229	3	1,25	162	1,52	198	1,92	250	1,92	250
66	80	21,81	3229	3	1,25	179	1,52	218	1,74	250	1,74	250
60	72	24,16	3229	3	1,17	186	1,52	242	1,57	250	1,57	250
54	65	26,90	3229	3	1,08	192	1,41	250	1,41	250	1,41	250
50	61	28,72	4119	3	1,25	236	1,32	250	1,32	250	1,32	250
46	55	31,59	4119	3	1,20	250	1,20	250	1,18	250	1,20	250
40	48	36,69	4119	3	1,03	250	1,03	250	1,03	250	1,03	250
36	44	39,73	4119	3	0,96	250	0,96	250	0,96	250	0,96	250
32	39	44,94	5115	3	0,84	250	0,84	250	0,85	250	0,85	250
29	35	49,38	5115	3	0,77	250	0,77	250	0,77	250	0,77	250
27	32	54,47	5115	3	0,70	250	0,70	250	0,70	250	0,70	250
24	29	60,33	5115	3	0,63	250	0,63	250	0,63	250	0,63	250
22	26	67,18	5115	3	0,57	250	0,57	250	0,56	250	0,56	250
19	23	77,09	6276	3	0,49	250	0,49	250	0,49	250	0,49	250
17	21	85,33	6276	3	0,44	250	0,44	250	0,45	250	-	-
15	18	97,05	6276	3	0,39	250	0,39	250	0,39	250	-	-
13	16	110,75	6276	3	0,34	250	0,34	250	0,34	250	-	-
12	14	124,78	6276	3	0,30	250	0,30	250	-	-	-	-
10	13	139,43	6276	3	0,27	250	0,27	250	-	-	-	-
9	11	159,04	6276	3	0,24	250	0,24	250	-	-	-	-
8	10	179,13	6276	3	0,21	250	-	-	-	-	-	-

f_B = 1,0

Quantis® reducers

RHB B5 flanged reducer selection

B_48 - IEC

Clamp collar – 3 pc coupled – free input

Output rating					IEC motor adapter									
					71		80		90		100		112	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
201	242	7,22	4591	3	1,25	59	1,52	72	3,10	147	6,12	255		
173	208	8,40	4591	3	1,25	69	1,52	84	3,10	171	5,26	268		
156	188	9,32	4591	3	1,25	77	1,52	93	3,10	190	4,74	278		
143	172	10,15	4591	3	1,25	83	1,52	101	3,08	206	4,35	285		
121	146	11,95	4938	3	1,25	98	1,52	120	3,10	243	5,38	422		
104	126	13,90	4938	3	1,25	114	1,52	139	3,10	283	4,84	443		
94	113	15,42	4938	3	1,25	127	1,52	154	3,10	314	4,43	450		
86	104	16,79	4938	3	1,25	138	1,52	168	3,08	341	4,07	450		
77	93	18,78	5111	3	1,25	154	1,48	184	2,94	363	3,64	450		
71	85	20,54	5111	3	1,25	169	1,40	189	2,82	381	3,33	450		
64	78	22,54	5111	3	1,25	185	1,31	195	2,69	400	3,03	450		
58	70	24,85	5111	3	1,25	200	1,22	200	2,57	420	2,75	450		
53	64	27,55	5111	3	1,25	206	1,14	206	2,44	441	2,48	450		
50	61	28,90	5454	3	1,25	237	1,52	289	2,37	450	2,37	450		
43	52	33,60	5454	3	1,25	276	1,52	336	2,03	450	2,03	450		
39	47	37,28	5454	3	1,25	306	1,52	373	1,84	450	1,84	450		
36	43	40,60	5454	3	1,25	334	1,52	406	1,69	450	1,69	450		
32	39	45,41	7077	3	1,25	373	1,51	450	1,51	450	1,51	450		
29	35	49,65	7077	3	1,25	408	1,38	450	1,38	450	1,38	450		
27	32	54,49	7077	3	1,25	448	1,25	450	1,25	450	1,25	450		
24	29	60,08	7077	3	1,14	450	1,14	450	1,14	450	1,14	450		
22	26	66,60	7077	3	1,03	450	1,03	450	1,03	450	1,03	450		
19	23	75,45	8354	3	0,91	450	0,91	450	0,91	450	0,91	450		
17	21	83,25	8354	3	0,82	450	0,82	450	0,82	450	0,82	450		
15	19	94,12	8354	3	0,73	450	0,73	450	0,73	450	0,73	450		
13	16	107,47	8354	3	0,64	450	0,64	450	0,64	450	-	-		
12	14	122,19	8354	3	0,56	450	0,56	450	0,56	450	-	-		
11	13	130,78	8354	3	0,53	450	0,53	450	0,53	450	-	-		
10	12	150,76	8354	3	0,45	450	0,45	450	-	-	-	-		
9	10,0	169,53	8354	3	0,40	450	-	-	-	-	-	-		

f_s = 1,0

Quantis® reducers

RHB B5 flanged reducer selection

B_68 - IEC

Clamp collar – 3 pc coupled – free input

Output rating					IEC motor adapter									
					71		80		90		100		112	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
271	326	5,36	11134	3	-	-	1,52	54	3,10	109	6,40	226	8,58	303
225	272	6,44	11134	3	-	-	1,52	64	3,10	131	6,40	271	8,58	363
191	231	7,58	11134	3	-	-	1,52	76	3,09	154	6,40	320	8,58	400
171	206	8,50	11134	3	1,25	70	1,52	85	3,10	173	6,40	358	8,58	415
152	184	9,52	11134	3	1,25	78	1,52	95	3,10	194	6,40	401	8,51	431
139	168	10,40	11134	3	1,25	85	1,52	104	3,10	212	6,40	438	8,00	443
121	147	11,94	11134	3	-	-	1,52	119	3,10	243	6,40	503	8,47	666
101	122	14,35	11134	3	-	-	1,52	143	3,10	292	6,40	605	7,45	704
86	104	16,89	11134	3	-	-	1,52	169	3,10	344	6,40	712	6,64	739
77	92	18,93	11134	3	1,25	155	1,52	189	3,10	385	6,14	764	6,14	764
68	82	21,22	11134	3	1,25	174	1,52	212	3,10	432	5,67	791	5,67	791
63	76	23,16	11134	3	1,25	190	1,52	232	3,10	471	5,33	812	5,33	812
57	69	25,42	11134	3	1,25	209	1,52	254	3,10	518	4,90	820	4,90	820
52	63	27,99	11134	3	1,25	230	1,52	280	3,10	570	4,45	820	4,45	820
48	58	30,38	11134	3	1,25	250	1,52	304	3,10	619	4,10	820	3,97	820
44	53	32,78	11134	3	-	-	1,52	328	3,10	667	3,68	793	3,80	793
37	44	39,39	11134	3	-	-	1,52	394	3,10	802	3,16	820	3,16	820
31	38	46,37	11134	3	-	-	1,52	464	2,69	820	2,69	820	2,69	820
28	34	51,96	11134	3	1,25	427	1,52	520	2,40	820	2,40	820	2,40	820
25	30	58,23	11134	3	1,25	478	1,52	582	2,14	820	2,14	820	2,14	820
23	28	63,57	11134	3	1,25	522	1,52	636	1,96	820	1,96	820	1,96	820
21	25	69,78	11134	3	1,25	573	1,52	698	1,79	820	1,79	820	1,79	820
19	23	76,84	11134	3	1,25	631	1,52	768	1,62	820	1,62	820	1,62	820
17	21	83,40	11134	3	1,25	685	1,50	820	1,50	820	1,50	820	1,50	820
16	19	90,89	11134	3	1,25	747	1,37	820	1,37	820	1,37	820	1,37	820
15	18	99,55	11134	3	1,22	796	1,25	820	1,25	820	1,25	820	1,25	820
13	16	109,64	11134	3	1,12	813	1,14	820	1,14	820	1,14	820	1,14	820
11	14	126,09	11134	3	0,99	820	0,99	820	0,99	820	0,99	820	0,99	820
11	13	136,60	11134	3	0,91	820	0,91	820	0,91	820	0,91	820	0,91	820
10	12	150,98	11134	3	0,83	820	0,83	820	0,83	820	0,83	820	-	-
8	10	176,14	11134	3	0,7	820	0,70	820	0,70	820	-	-	-	-
7	9	196,07	11134	3	0,64	820	0,64	820	0,64	820	-	-	-	-
7	8	215,68	11134	3	0,57	820	0,57	820	0,57	820	-	-	-	-
6,0	7,0	243,72	11134	3	0,51	820	0,51	820	-	-	-	-	-	-

f_8 = 1,0

Quantis® reducers

RHB B5 flanged reducer selection

B_88 - IEC

Clamp collar – 3 pc coupled – free input

Output rating					IEC motor adapter											
					71		80		90		100		112		132	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
262	316	5,54	20039	3	-	-	-	-	-	-	6,40	234	8,58	313	16,65	607
217	262	6,69	20039	3	-	-	-	-	-	-	6,40	282	8,58	377	15,69	691
181	218	8,03	20070	3	-	-	1,52	80	3,10	163	6,40	338	8,58	453	14,68	775
154	186	9,41	20070	3	-	-	1,52	94	3,10	192	6,40	396	8,58	531	13,73	850
125	150	11,64	20070	3	-	-	-	-	-	-	6,40	491	8,58	657	16,65	1275
103	125	14,04	20070	3	-	-	-	-	-	-	6,40	592	8,58	792	15,39	1422
86	104	16,85	20070	3	-	-	1,52	169	3,10	343	6,40	710	8,58	951	13,54	1502
73	89	19,75	20070	3	-	-	1,52	198	3,10	402	6,40	833	8,58	1115	12,12	1575
62	74	23,54	20070	3	-	-	1,52	235	3,10	479	6,40	992	8,50	1316	10,65	1650
57	69	25,53	20070	3	1,25	210	1,52	255	3,10	520	6,40	1076	8,19	1376	9,82	1650
51	61	28,50	20070	3	1,25	234	1,52	285	3,10	580	6,15	1153	7,78	1458	8,80	1650
47	57	30,87	20070	3	1,25	254	1,52	309	3,10	628	5,92	1201	7,48	1519	8,12	1650
42	51	34,40	20070	3	-	-	-	-	-	-	6,40	1450	7,29	1650	7,29	1650
35	42	41,50	20070	3	-	-	-	-	-	-	6,05	1650	6,05	1650	6,05	1650
29	35	49,80	20070	3	-	-	1,52	498	3,10	1014	5,04	1650	5,04	1650	5,04	1650
25	30	58,37	20070	3	-	-	1,52	584	3,10	1188	4,30	1650	4,30	1650	4,30	1650
21	25	69,57	20070	3	-	-	1,52	696	3,10	1416	3,60	1650	3,60	1650	3,60	1650
19	23	75,45	20070	3	1,25	620	1,52	754	3,10	1536	3,33	1650	3,33	1650	3,33	1650
17	21	84,21	20070	3	1,25	692	1,52	842	2,98	1650	2,98	1650	2,98	1650	2,98	1650
16	19	91,22	20070	3	1,25	749	1,52	912	2,75	1650	2,75	1650	2,75	1650	2,75	1650
14	17	103,38	20070	3	1,25	849	1,52	1034	2,42	1650	2,42	1650	2,42	1650	2,42	1650
13	16	111,37	20070	3	1,25	915	1,52	1114	2,25	1650	2,25	1650	2,25	1650	2,25	1650
12	15	120,42	20070	3	1,25	989	1,52	1204	2,08	1650	2,08	1650	2,08	1650	2,08	1650
11	13	130,77	20070	3	1,25	1074	1,52	1308	1,92	1650	1,92	1650	1,92	1650	1,92	1650
10	12	144,58	20070	3	1,24	1179	1,52	1446	1,74	1650	1,74	1650	1,74	1650	1,74	1650
9	11	156,63	20070	3	1,16	1198	1,52	1566	1,60	1650	1,60	1650	1,60	1650	1,60	1650
8	10	176,50	20070	3	1,05	1223	1,42	1650	1,42	1650	1,42	1650	1,42	1650	-	-
8	9	193,24	20070	3	0,98	1241	1,30	1650	1,30	1650	1,30	1650	1,30	1650	-	-
7	8	215,25	20070	3	0,89	1261	1,16	1650	1,16	1650	1,16	1650	-	-	-	-
6	7	246,13	20070	3	0,79	1284	1,02	1650	1,02	1650	-	-	-	-	-	-
5	6	272,95	20070	3	0,72	1299	0,92	1650	0,92	1650	-	-	-	-	-	-
5,0	6,0	302,68	20070	3	0,66	1314	0,83	1650	0,83	-	-	-	-	-	-	-

f_s = 1,0

Quantis® reducers

RHB B5 flanged reducer selection

B_108 - IEC

Clamp collar – 3 pc coupled – free input

Output rating					IEC motor adapter											
					80		90		100		112		132		160	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
189	228	7,68	24848	3	-	-	-	-	-	-	8,58	433	18,67	943	28,04	1416
155	187	9,36	24848	3	-	-	-	-	6,40	395	8,58	528	17,7	1090	23,32	1436
132	160	10,97	24848	3	-	-	-	-	6,40	462	8,58	619	16,8	1212	20,13	1452
112	136	12,90	24848	3	1,52	129	3,10	263	6,40	543	8,57	728	15,8	1340	17,31	1469
106	127	13,74	24848	3	-	-	-	-	-	-	8,58	775	18,67	1687	26,41	2386
87	104	16,75	24848	3	-	-	-	-	6,40	706	8,58	945	17,7	1951	22,98	2533
74	89	19,63	24848	3	-	-	-	-	6,50	827	8,70	1108	17,03	2170	20,86	2657
63	76	23,08	24848	3	1,52	231	3,10	470	6,40	973	8,58	1302	15,8	2399	18,27	2774
55	66	26,48	24848	3	1,52	265	3,10	539	6,40	1116	8,58	1494	14,88	2594	16,08	2802
46	56	31,25	24848	3	1,52	313	3,10	636	6,40	1317	8,58	1763	13,78	2834	13,79	2835
43	52	33,87	24848	3	1,52	339	3,10	690	6,40	1428	8,58	1911	12,79	2851	12,79	2851
40	48	36,44	24848	3	-	-	-	-	-	-	8,58	2056	11,89	2851	11,89	2851
33	39	44,44	24848	3	-	-	-	-	6,40	1873	8,58	2508	10,26	3000	10,26	3000
28	34	52,08	24848	3	-	-	-	-	6,40	2195	8,58	2939	8,76	3000	8,76	3000
24	29	61,22	24848	3	1,52	612	3,10	1246	6,40	2580	7,45	3000	7,45	3000	7,45	3000
21	25	70,24	24848	3	1,52	702	3,10	1430	6,40	2960	6,49	3000	6,49	3000	6,49	3000
17	21	82,90	24848	3	1,52	829	3,10	1688	5,50	3000	5,50	3000	5,50	3000	5,50	3000
16	19	89,85	24848	3	1,52	899	3,10	1829	5,07	3000	5,07	3000	5,07	3000	5,07	3000
15	18	99,90	24848	3	1,52	999	3,10	2034	4,56	3000	4,56	3000	4,56	3000	4,56	3000
13	16	108,52	24848	3	1,52	1085	3,10	2209	4,20	3000	4,20	3000	4,20	3000	4,20	3000
12	15	120,03	24848	3	1,52	1200	3,10	2444	3,80	3000	3,80	3000	3,80	3000	3,80	3000
11	14	128,86	24848	3	1,52	1289	3,10	2623	3,54	3000	3,54	3000	3,54	3000	3,54	3000
10	13	138,87	24848	3	1,52	1389	2,99	2731	3,28	3000	3,28	3000	3,28	3000	-	-
10	12	150,31	24848	3	1,52	1503	2,86	2831	3,03	3000	3,03	3000	3,03	3000	-	-
9	11	163,51	24848	3	1,52	1635	2,73	2940	2,79	3000	2,79	3000	2,79	3000	-	-
8	10	178,90	24848	3	1,52	1789	2,55	3000	2,55	3000	2,55	3000	-	-	-	-
7	9	201,11	24848	3	1,52	2011	2,27	3000	2,27	3000	2,27	3000	-	-	-	-
7	8	219,64	24848	3	1,52	2196	2,08	3000	2,08	3000	2,08	3000	-	-	-	-
6	7	243,47	24848	3	1,46	2349	1,87	3000	1,87	3000	-	-	-	-	-	-
5	6	278,10	24848	3	1,34	2458	1,64	3000	-	-	-	-	-	-	-	-
5,0	6,0	307,24	24848	3	1,25	2533	1,48	3000	-	-	-	-	-	-	-	-

f_8 = 1,0

Quantis® reducers

RHB B5 flanged reducer selection

B_128 - IEC

Clamp collar – 3 pc coupled – free input

Output rating					IEC motor adapter													
					90		100		112		132		160		180/200			
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	$P_{Mo}{}^t$	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	PMot	T2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
204	246	7,10	30724	3	-	-	-	-	-	-	20,25	946	28,12	1314	57,27	2676		
176	212	8,26	30724	3	-	-	-	-	-	-	20,25	1101	28,12	1529	52,87	2874		
158	191	9,16	30724	3	-	-	-	-	8,57	517	20,25	1220	28,12	1694	48,34	2913		
133	161	10,88	30724	3	-	-	6,44	459	8,62	614	20,36	1450	28,28	2013	41,78	2975		
115	139	12,56	30724	3	-	-	6,40	529	8,58	709	20,25	1673	26,93	2226	36,60	3024		
112	135	13,00	30724	3	-	-	-	-	-	-	20,25	1732	28,12	2405	46,52	3979		
96	116	15,13	30724	3	-	-	-	-	-	-	20,25	2015	28,12	2798	41,84	4164		
87	104	16,76	30724	3	-	-	-	-	8,56	945	20,25	2233	28,12	3101	38,94	4294		
73	88	19,92	30724	3	-	-	6,40	840	8,58	1124	20,25	2654	28,12	3686	34,50	4522		
63	76	22,92	30724	3	-	-	6,42	969	8,60	1297	20,31	3063	27,02	4074	30,36	4578		
54	65	27,02	30724	3	3,10	550	6,40	1138	8,58	1524	19,70	3502	24,99	4442	26,06	4631		
47	57	30,61	30724	3	3,10	623	6,40	1290	8,58	1727	18,89	3805	23,20	4674	23,20	4674		
40	49	35,92	30724	3	3,10	731	6,40	1514	8,58	2027	17,80	4208	19,88	4700	19,88	4700		
37	45	39,19	30724	3	3,10	798	6,40	1652	8,58	2211	17,21	4438	18,22	4696	18,22	4696		
35	42	41,38	30724	3	-	-	-	-	-	-	17,26	4700	17,26	4700	17,26	4700		
30	36	48,14	30724	3	-	-	-	-	-	-	14,84	4700	14,84	4700	14,84	4700		
27	33	53,36	30724	3	-	-	-	-	8,58	3011	13,39	4700	13,39	4700	13,39	4700		
23	28	63,41	30724	3	-	-	6,40	2672	8,58	3578	11,27	4700	11,27	4700	11,27	4700		
20	24	73,18	30724	3	-	-	6,40	3084	8,58	4129	9,76	4700	9,76	4700	9,76	4700		
17	20	85,98	30724	3	3,10	1750	6,40	3624	8,31	4700	8,31	4700	8,31	4700	8,31	4700		
15	18	97,44	30724	3	3,10	1984	6,40	4106	7,33	4700	7,33	4700	7,33	4700	7,33	4700		
13	15	114,34	30724	3	3,10	2328	6,25	4700	6,25	4700	6,25	4700	6,25	4700	6,25	4700		
12	14	124,73	30724	3	3,10	2539	5,73	4700	5,73	4700	5,73	4700	5,73	4700	5,73	4700		
11	13	136,07	30724	3	3,10	2770	5,25	4700	5,25	4700	5,25	4700	5,25	4700	5,25	4700		
10	12	146,84	30724	3	3,10	2989	4,86	4700	4,86	4700	4,86	4700	4,86	4700	4,86	4700		
9	11	164,11	30724	3	3,10	3341	4,35	4700	4,35	4700	4,35	4700	4,35	4700	-	-		
8	10	175,80	30724	3	3,10	3579	4,06	4700	4,06	4700	4,06	4700	4,06	4700	-	-		
8	9	189,04	30724	3	2,98	3702	3,78	4700	3,78	4700	3,78	4700	-	-	-	-		
7	9	204,18	30724	3	2,85	3830	3,50	4700	3,50	4700	3,5	4700	-	-	-	-		
7	8	221,64	30724	3	2,72	3967	3,22	4700	3,22	4700	3,22	4700	-	-	-	-		
6	7	242,02	30724	3	2,58	4118	2,95	4700	2,95	4700	2,95	4700	-	-	-	-		
5	6	270,90	30724	3	2,43	4325	2,64	4700	-	-	-	-	-	-	-	-		
5,0	6,0	295,38	30724	3	2,31	4494	2,42	4700	-	-	-	-	-	-	-	-		

f_8 = 1,0

Quantis® reducers

RHB B5 flanged reducer selection

B_148 - IEC

Clamp collar – 3 pc coupled – free input

Output rating					IEC motor adapter													
					100		112		132		160		180/200		225			
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
300	362	4,83	40955	3	-	-	-	-	-	-	28,12	894	57,57	1820	84,16	2675		
226	272	6,43	40955	3	-	-	-	-	-	-	28,12	1189	57,27	2422	78,20	3307		
195	235	7,44	45576	3	-	-	-	-	20,25	991	28,12	1377	57,28	2804	72,14	3532		
165	199	8,79	45576	3	-	-	-	-	20,25	1171	28,12	1626	56,71	3279	65,37	3779		
148	179	9,77	45576	3	-	-	-	-	-	-	28,12	1808	57,27	3682	84,16	5410		
112	135	13,00	49651	3	-	-	-	-	-	-	28,12	2405	57,27	4899	78,21	6690		
96	116	15,05	49651	3	-	-	-	-	20,25	2005	28,12	2785	57,27	5672	72,13	7144		
82	98	17,77	49651	3	-	-	-	-	20,25	2368	28,12	3288	56,72	6632	63,99	7483		
73	88	19,84	53161	3	-	-	8,58	1120	20,25	2644	26,94	3516	53,98	7047	57,81	7547		
63	75	23,19	53161	3	6,40	977	8,58	1308	19,70	3005	24,99	3812	50,03	7641	50,09	7641		
55	66	26,58	53161	3	6,40	1120	8,58	1500	18,89	3304	23,55	4119	44,16	7723	44,16	7723		
47	57	30,74	55874	3	-	-	8,58	1734	17,80	3600	21,89	4427	38,62	7809	38,62	7809		
47	56	31,10	55874	3	-	-	-	-	-	-	28,12	5754	39,10	8000	39,10	8000		
35	42	41,38	55874	3	-	-	-	-	-	-	26,03	7088	29,39	8000	29,39	8000		
30	37	47,91	57947	3	-	-	-	-	20,25	6383	25,38	8000	25,38	8000	25,38	8000		
26	31	56,57	57947	3	-	-	-	-	20,25	7536	21,50	8000	21,50	8000	21,50	8000		
23	28	63,16	57947	3	-	-	8,58	3564	19,25	8000	19,25	8000	19,25	8000	13,07	8000		
20	24	73,80	57947	3	6,40	3110	8,58	4165	16,48	8000	16,48	8000	16,48	8000	16,48	8000		
17	21	84,61	57947	3	6,40	3566	8,58	4775	14,37	8000	14,37	8000	14,37	8000	14,37	8000		
15	18	97,82	57947	3	-	-	8,58	5520	12,43	8000	12,43	8000	12,43	8000	12,43	8000		
14	17	101,53	57947	3	6,40	4279	8,58	5729	11,97	8000	11,97	8000	11,97	8000	11,97	8000		
13	16	112,35	57947	3	6,40	4735	8,58	6340	10,82	8000	10,82	8000	10,82	8000	10,82	8000		
11	13	131,49	57947	3	6,40	5541	8,31	7189	9,25	8000	9,25	8000	9,25	8000	9,25	8000		
10	12	142,41	57947	3	6,24	5844	7,86	7358	8,54	8000	8,54	8000	8,54	8000	8,54	8000		
9	11	158,93	57947	3	6,03	6302	7,60	7950	7,65	8000	7,65	8000	7,65	8000	-	-		
9	10	168,50	57947	3	5,80	6437	7,21	8000	7,21	8000	7,21	8000	7,21	8000	-	-		
8	9	191,02	57947	3	5,89	7024	6,37	8000	6,37	8000	-	-	-	-	-	-		
7	9	204,38	57947	3	5,28	7103	5,95	8000	5,95	8000	-	-	-	-	-	-		
7	8	214,96	57947	3	7,45	7156	5,66	8000	5,66	8000	-	-	-	-	-	-		
6	8	231,95	57947	3	6,96	7234	5,24	8000	5,24	8000	-	-	-	-	-	-		
6	7	251,55	57947	3	4,41	7310	4,83	8000	4,83	8000	-	-	-	-	-	-		
5	6	274,42	57947	3	4,09	7389	4,43	8000	4,43	8000	-	-	-	-	-	-		
5,0	6,0	306,08	57947	3	3,71	7478	3,97	8000	-	-	-	-	-	-	-	-		

f_8 = 1,0

Quantis® reducers

RHB B5 flanged reducer selection

B_168 - IEC

Clamp collar – 3 pc coupled – free input

Output rating					IEC motor adapter									
					132		160		180/200		225		250	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
219	265	6,61	61270	3	-	-	28,12	1223	57,27	2491	72,21	3141	74,74	3251
168	203	8,64	67960	3	-	-	28,12	1598	57,27	3255	69,91	3973	72,8	4137
143	172	10,17	67960	3	20,25	1355	28,12	1882	57,27	3833	68,22	4566	70,64	4728
124	150	11,67	73689	3	20,25	1554	28,12	2159	56,71	4354	65,58	5034	64,84	4978
117	141	12,41	73689	3	-	-	28,12	2295	57,27	4675	72,21	5894	74,74	6101
89	108	16,21	73689	3	-	-	28,12	2999	57,27	6108	69,91	7457	72,80	7764
76	92	19,09	78320	3	20,25	2544	28,12	3532	57,27	7194	68,22	8570	70,64	8873
66	80	21,90	78320	3	20,25	2917	28,12	4052	56,71	8172	65,58	9448	64,84	9342
60	72	24,14	78320	3	20,25	3215	26,94	4277	53,98	8572	61,88	9826	60,84	9662
51	61	28,54	86398	3	19,70	3700	24,99	4693	51,37	9646	55,18	10361	54,23	10184
45	54	32,53	86398	3	18,89	4043	23,55	5040	50,11	10725	50,22	10750	49,36	10564
42	51	34,55	86398	3	-	-	28,12	6392	57,27	13019	59,38	13500	59,38	13500
32	39	45,15	84289	3	-	-	28,12	8353	45,45	13500	45,45	13500	45,45	13500
27	33	53,18	84289	3	20,25	7084	28,12	9837	38,59	13500	38,59	13500	38,59	13500
24	29	60,99	84289	3	20,25	8125	28,12	11283	33,64	13500	33,64	13500	33,64	13500
22	26	67,22	84289	3	20,25	8955	26,94	11912	30,52	13500	30,52	13500	30,52	13500
18	22	79,49	84289	3	19,70	10303	24,99	13069	25,81	13500	25,81	13500	25,81	13500
16	19	90,60	84289	3	18,89	11259	22,65	13500	22,65	13500	22,65	13500	22,65	13500
14	17	104,18	84289	3	17,80	12202	19,70	13500	19,70	13500	19,70	13500	19,70	13500
12	15	119,09	84289	3	17,21	13485	17,23	13500	17,23	13500	17,23	13500	17,23	13500
11	13	138,01	84289	3	14,87	13500	14,87	13500	14,87	13500	14,87	13500	-	-
10	12	150,36	84289	3	13,63	13500	13,63	13500	13,63	13500	13,63	13500	-	-
9	10	167,50	84289	3	12,25	13500	12,25	13500	12,25	13500	-	-	-	-
8	10	177,43	84289	3	11,56	13500	11,56	13500	11,50	13500	-	-	-	-
7	9	199,54	84289	3	10,29	13500	10,29	13500	-	-	-	-	-	-
7	8	213,33	84289	3	9,62	13500	9,62	13500	-	-	-	-	-	-
6	8	226,15	84289	3	9,07	13500	-	-	-	-	-	-	-	-
6	7	243,80	84289	3	8,42	13500	-	-	-	-	-	-	-	-
5	7	264,18	84289	3	7,77	13500	-	-	-	-	-	-	-	-
5,0	6,0	287,95	84289	3	6,25	11844	-	-	-	-	-	-	-	-

f_s = 1,0

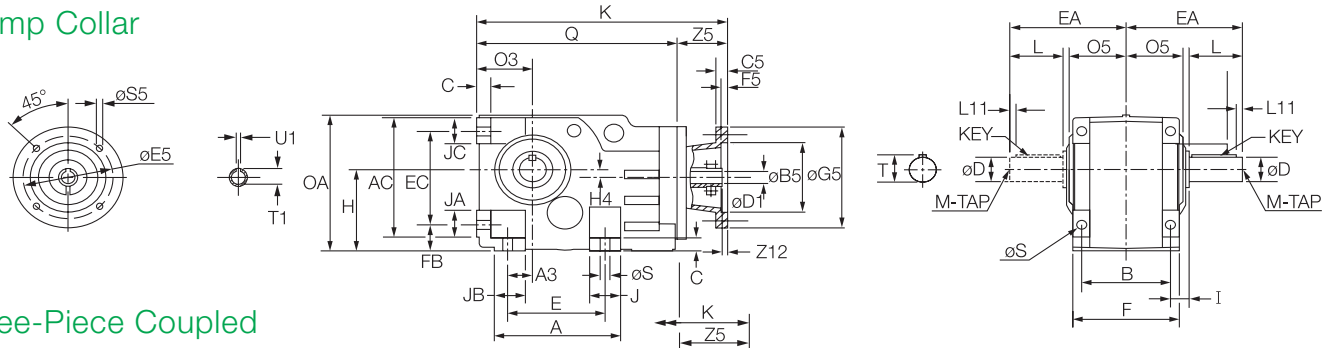
Quantis® reducers

RHB reducer dimensions

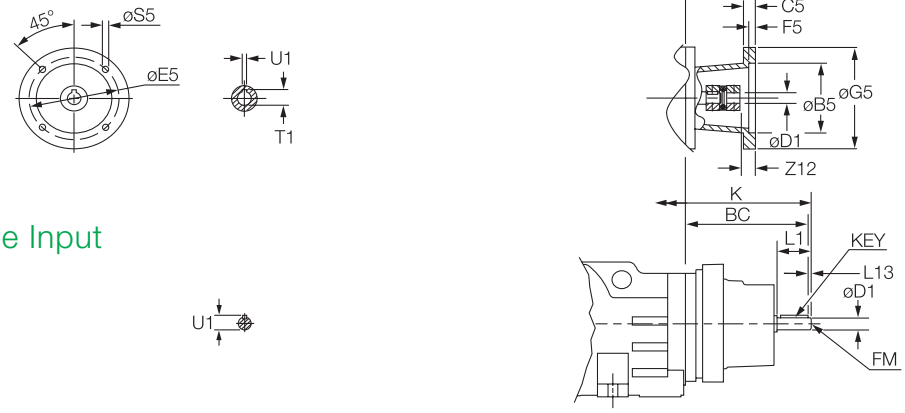
Foot mounted, solid output shaft

BB38

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
25	k6	28	50	5	8 x 7 x 40	M10 x 22	110

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
35	k6	38	70	5	10 x 8 x 56	M12 x 28	130

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
110	147	120	10	100	141	115	100	28	32	16	11	32	33	35	31	167	227	63	57	10

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	297	70	110	H7	130	160	M8	14	F7	16	5	17	5	4	17
80D	321	94	130		165	200	M10	19		22	6	17	5	16	19
90D	321	94	130		165	200	M10	24		27	8	17	5	16	19
100D	329	102	180		215	250	M12	28		31	8	22	5	7	21

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	429	201	130	H7	165	200	M10	19	H7	22	6	17	5	15	26
90D	429	201	130		165	200	M10	24		27	8	17	5	26	26
100D	451	224	180		215	250	M12	28		31	8	19	5	30	31

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	378	151	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	19
80	413	186	4	M6 x 16	19		40	22	6 x 6 x 32	22
90	423	196	5	M8 x 19	24		50	27	8 x 7 x 40	22
100	439	212	5	M10 x 22	28		60	31	8 x 7 x 50	26

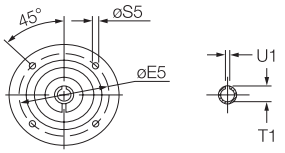
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.

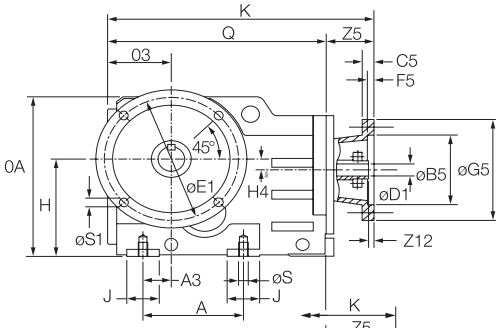
Quantis® reducers

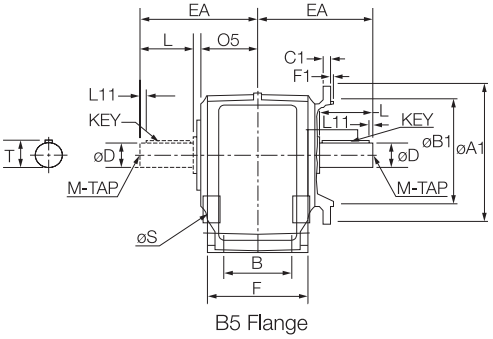
RHB reducer dimensions BF38

Flange mounted (B5 - B14), solid output shaft

Clamp Collar

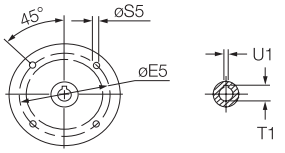


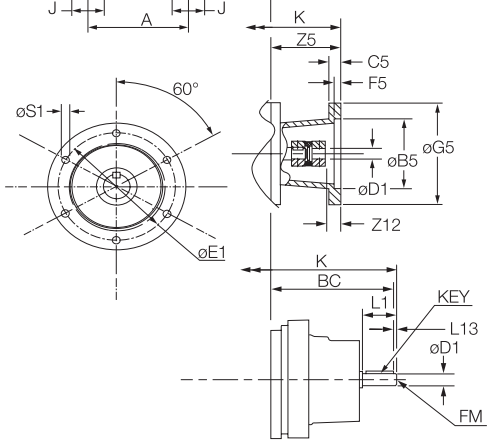


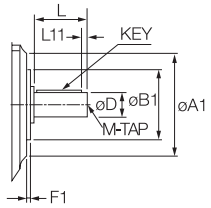


B5 Flange

Three-Piece Coupled







B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
25	k6	28	50	5	8 x 7 x 40	M10 x 22	110

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
35	k6	38	70	5	10 x 8 x 56	M12 x 28	130

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
120	80	j6	100	M8 x 14	3

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
160	110	j6	130	9	4	10

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
100	100	117	60	35	M10 x 17	32	167	234	70	54	10

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	304	70	110	H7	130	160	M8	14	F7	16	5	17	5	4	17
80D	328	94	130		165	200	M10	19		22	6	17	5	16	19
90D	328	94	130		165	200	M10	24		27	8	17	5	16	19
100D	336	102	180		215	250	M12	28		31	8	22	5	7	21

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	436	201	130	H7	165	200	M10	19	H7	22	6	17	5	15	26
90D	436	201	130		165	200	M10	24		27	8	17	5	26	26
100D	458	224	180		215	250	M12	28		31	8	19	5	30	31

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	385	151	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	19
80	420	186	4	M6 x 16	19		40	22	6 x 6 x 32	22
90	430	196	5	M8 x 19	24		50	27	8 x 7 x 40	22
100	446	212	5	M10 x 22	28		60	31	8 x 7 x 50	26

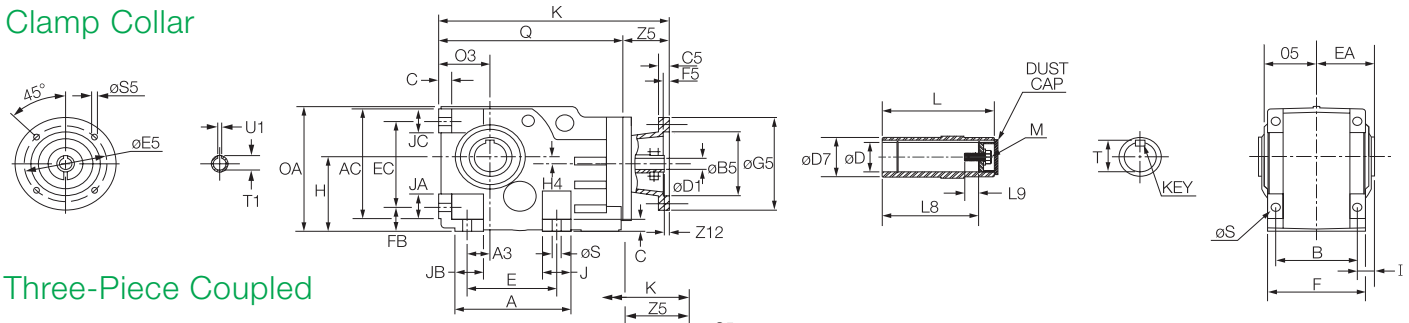
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +2 kg.

Quantis® reducers

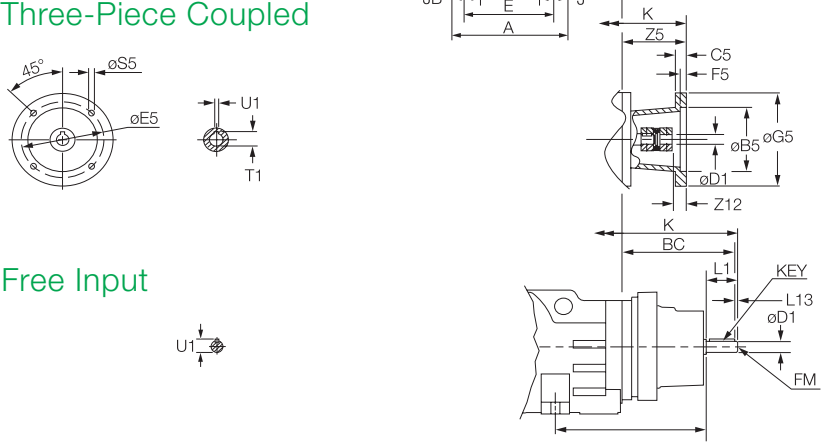
RHB reducer dimensions

Foot mounted, hollow output shaft BB38

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
30	H7	45	33	102	31	120	8 x 7 x 40	M10 x 40	60

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
110	147	120	10	100	141	115	100	28	32	16	11	32	33	35	31	167	227	63	56	10

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	297	70	110	H7	130	160	M8	14	F7	16	5	17	5	4	17
80D	321	94	130		165	200	M10	19		22	6	17	5	16	19
90D	321	94	130		165	200	M10	24		27	8	17	5	16	19
100D	329	102	180		215	250	M12	28		31	8	22	5	7	21

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	429	201	130	H7	165	200	M10	19	H7	22	6	17	5	15	26
90D	429	201	130		165	200	M10	24		27	8	17	5	26	26
100D	451	224	180		215	250	M12	28		31	8	19	5	30	31

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	378	151	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	19
80	413	186	4	M6 x 16	19		40	22	6 x 6 x 32	22
90	423	196	5	M8 x 19	24		50	27	8 x 7 x 40	22
100	439	212	5	M10 x 22	28		60	31	8 x 7 x 50	26

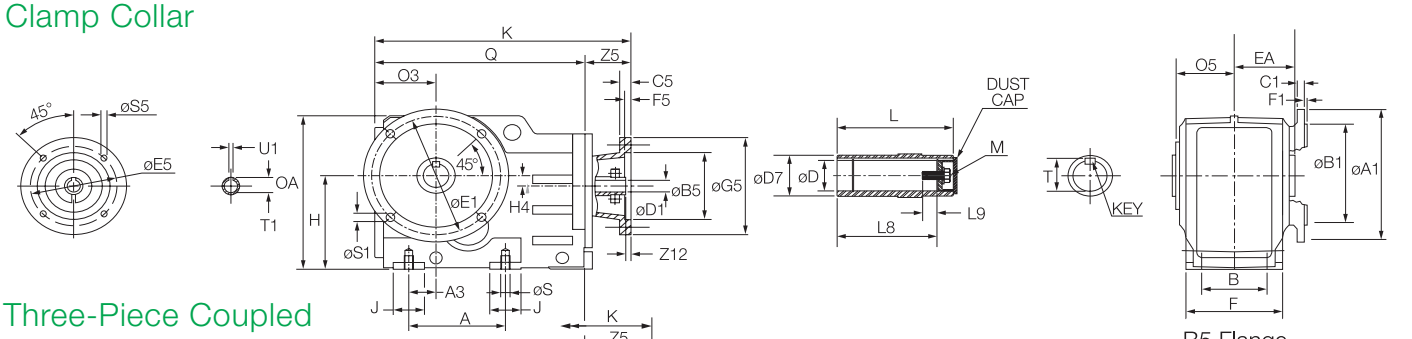
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions

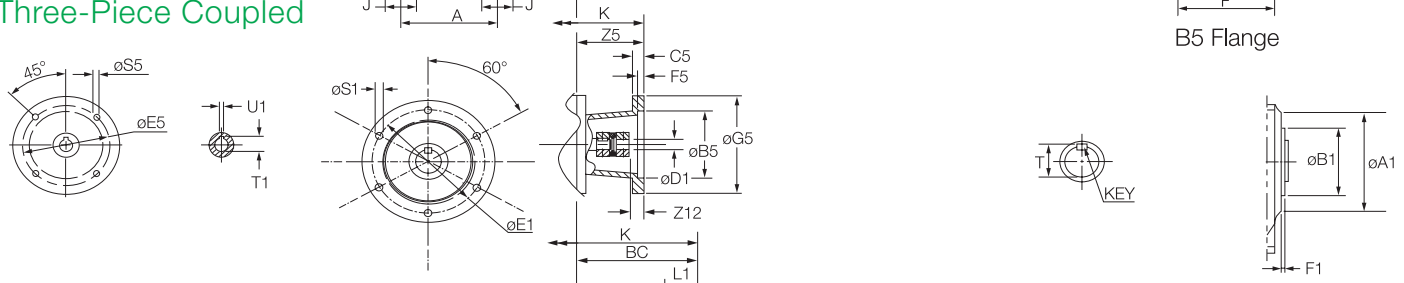
Flange mounted (B5 - B14), hollow output shaft BF38

Clamp Collar



B5 Flange

Three-Piece Coupled



B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
30	H7	45	33	102	31	120	8 x 7 x 40	M10 x 40	60

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
120	80	j6	100	M8 x 14	3

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
100	100	117	60	35	M10 x 17	32	167	234	70	57	10

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
160	110	j6	130	9	4	10

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	304	70	110	H7	130	160	M8	14	F7	16	5	17	5	4	17
80D	328	94	130		165	200	M10	19		22	6	17	5	16	19
90D	328	94	130		165	200	M10	24		27	8	17	5	16	19
100D	336	102	180		215	250	M12	28		31	8	22	5	7	21

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	436	201	130	H7	165	200	M10	19	H7	22	6	17	5	15	26
90D	436	201	130		165	200	M10	24		27	8	17	5	26	26
100D	458	224	180		215	250	M12	28		31	8	19	5	30	31

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	385	151	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	19
80	420	186	4	M6 x 16	19		40	22	6 x 6 x 32	22
90	430	196	5	M8 x 19	24		50	27	8 x 7 x 40	22
100D	446	212	5	M10 x 22	28		60	31	8 x 7 x 50	26

* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +2 kg.

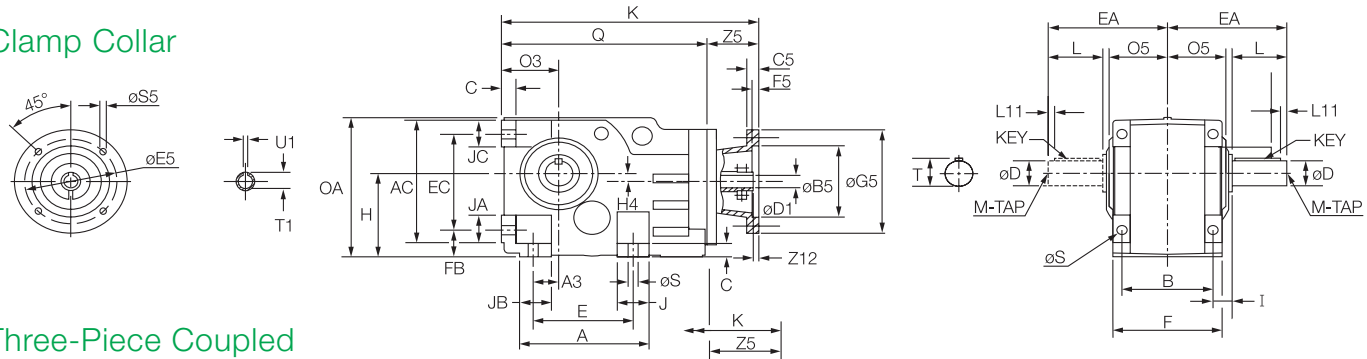
Quantis® reducers

RHB reducer dimensions

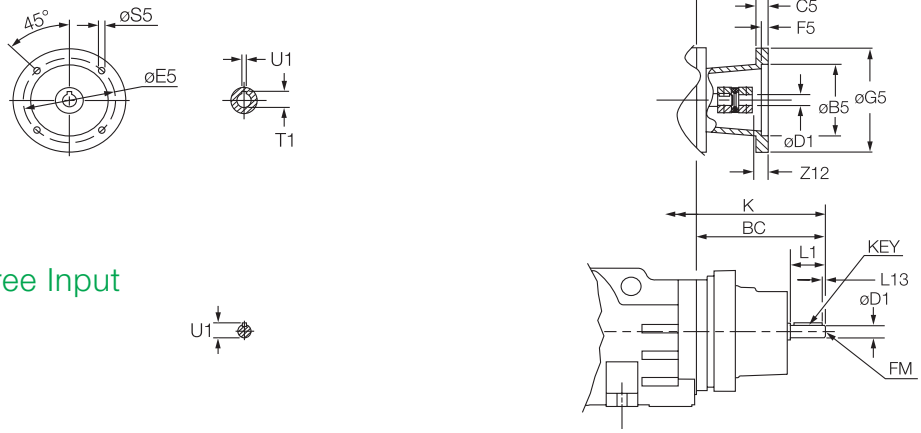
BB48

Foot mounted, solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
30	k6	33	60	4	8 x 7 x 50	M8 x 22	135

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
40	k6	43	80	5	12 x 8 x 70	M16 x 36	155

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
130	166	145	15	112	169	130	120	35	37	18	11	40	40	39	36	187	257	71	71	11

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	327	70	110	H7	130	160	M8	14	F7	16	5	17	5	4	21
80D	351	94	130		165	200	M10	19		22	6	17	5	16	23
90D	351	94	130		165	200	M10	24		27	8	17	5	16	23
100D	359	102	180		215	250	M12	28		31	8	22	5	7	25

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	459	201	130	H7	165	200	M10	19	H7	22	6	17	5	15	30
90D	459	201	130		165	200	M10	24		27	8	17	5	26	30
100D	481	224	180		215	250	M12	28		31	8	19	5	30	35

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	408	151	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	23
80	443	186	4	M6 x 16	19		40	22	6 x 6 x 32	26
90	453	196	5	M8 x 19	24		50	27	8 x 7 x 40	26
100	469	212	5	M10 x 22	28		60	31	8 x 7 x 50	30

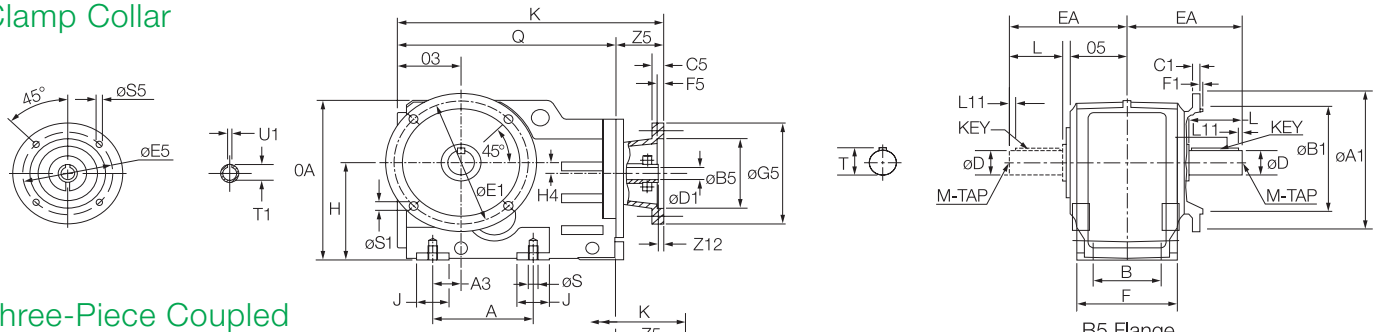
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions BF48

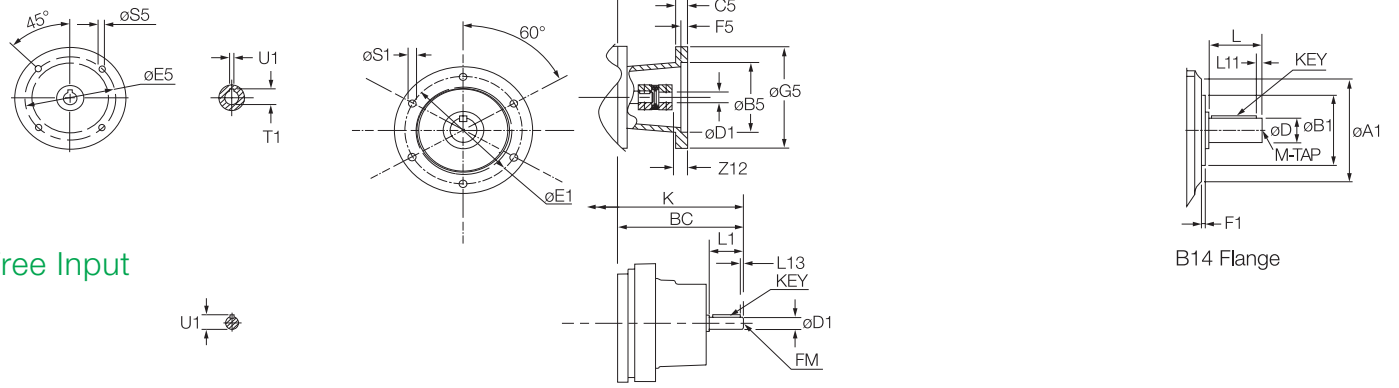
Flange mounted (B5 - B14), solid output shaft

Clamp Collar



B5 Flange

Three-Piece Coupled



B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
30	k6	33	60	4	8 x 7 x 50	M10 x 22	135

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
40	k6	43	80	5	12 x 8 x 70	M16 x 36	155

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
132	95	j6	115	M10 x 17	3

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
200	130	j6	165	11	4	12

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
110	112	140	70	40	M10 x 17	30	187	264	78	71	11

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	334	70	110	H7	130	160	M8	14	F7	16	5	17	5	4	21
80D	358	94	130		165	200	M10	19		22	6	17	5	16	23
90D	358	94	130		165	200	M10	24		27	8	17	5	16	23
100D	365	102	180		215	250	M12	28		31	8	22	5	7	25

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	465	201	130	H7	165	200	M10	19	H7	22	6	17	5	15	30
90D	465	201	130		165	200	M10	24		27	8	17	5	26	30
100D	488	224	180		215	250	M12	28		31	8	19	5	30	35

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	415	151	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	23
80	450	186	4	M6 x 16	19		40	22	6 x 6 x 32	26
90	460	196	5	M8 x 19	24		50	27	8 x 7 x 40	26
100	476	212	5	M10 x 22	28		60	31	8 x 7 x 50	30

* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +3 kg.

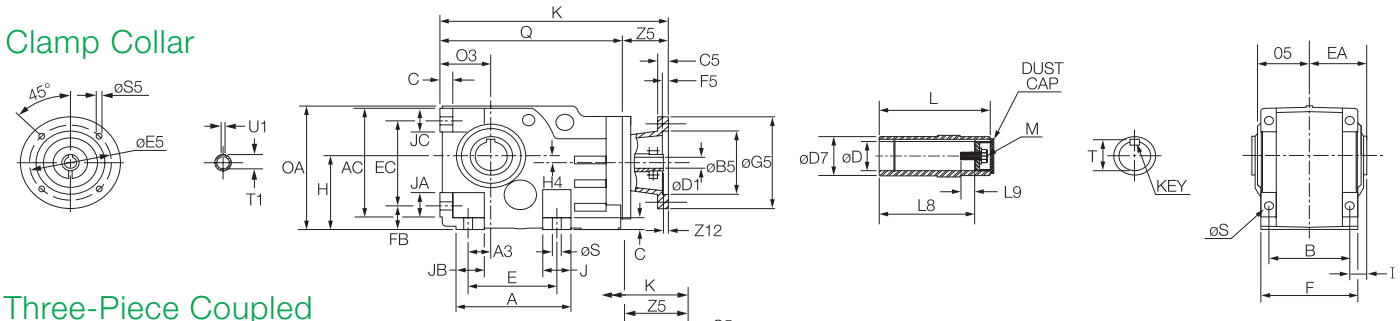
Quantis® reducers

RHB reducer dimensions

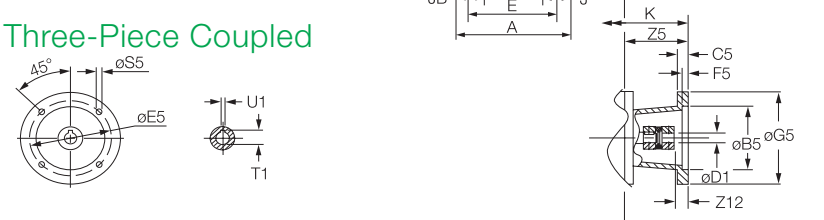
Foot mounted, hollow output shaft

BB48

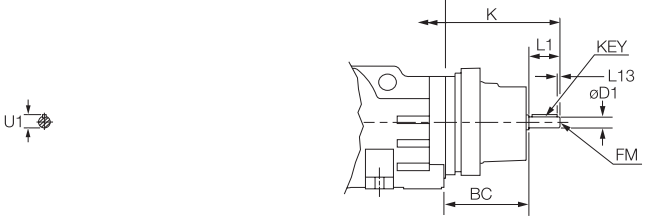
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
35	H7	55	38	128	43	150	10 x 8 x 45	M12 x 50	75

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
40	H7	55	43	128	48	150	12 x 8 x 50	M16 x 60	75

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
130	166	145	15	112	169	130	120	35	37	18	11	40	40	39	36	187	257	71	71	11

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	327	70	110	H7	130	160	M8	14	F7	16	5	17	5	4	21
80D	351	94	130		165	200	M10	19		22	6	17	5	16	23
90D	351	94	130		165	200	M10	24		27	8	17	5	16	23
100D	359	102	180		215	250	M12	28		31	8	22	5	7	25

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	459	201	130	H7	165	200	M10	19	H7	22	6	17	5	15	30
90D	459	201	130		165	200	M10	24		27	8	17	5	26	30
100D	481	224	180		215	250	M12	28		31	8	19	5	30	35

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	408	151	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	23
80	327	242	4	M6 x 16	19		40	22	6 x 6 x 32	26
90	351	287	5	M8 x 19	24		50	27	8 x 7 x 40	26
100	359	303	5	M10 x 22	28		60	31	8 x 7 x 50	30

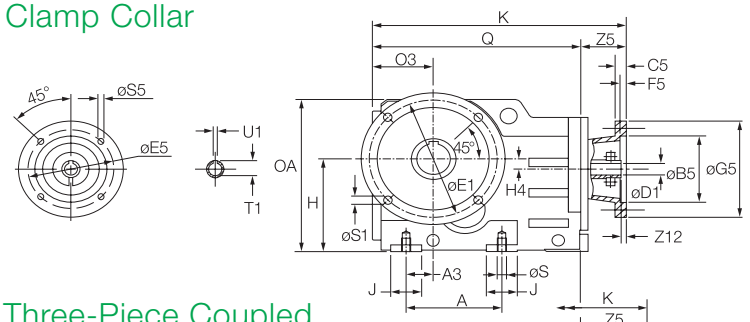
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions

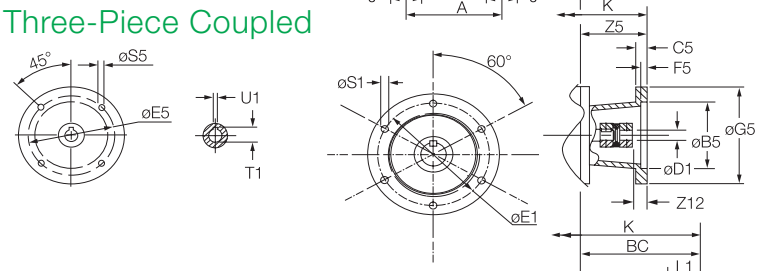
Flange mounted (B5 - B14), hollow output shaft BF48

Clamp Collar



B5 Flange

Three-Piece Coupled



B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
35	H7	55	38	128	43	150	10 x 8 x 45	M12 x 50	75

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
40	H7	55	43	128	48	150	12 x 8 x 50	M16 x 60	75

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
110	112	140	70	40	M10 x 17	30	187	264	78	71	11

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
132	95	j6	115	M10 x 17	3

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
200	130	j6	165	11	4	12

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	334	70	110	H7	130	160	M8	14	F7	16	5	17	5	4	21
80D	358	94	130		165	200	M10	19		22	6	17	5	16	23
90D	358	94	130		165	200	M10	24		27	8	17	5	16	23
100D	365	102	180		215	250	M12	28		31	8	22	5	7	25

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	465	201	130	H7	165	200	M10	19	H7	22	6	17	5	15	30
90D	465	201	130		165	200	M10	24		27	8	17	5	26	30
100D	488	224	180		215	250	M12	28		31	8	19	5	30	35

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	415	151	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	23
80	450	186	4	M6 x 16	19		40	22	6 x 6 x 32	26
90	460	196	5	M8 x 19	24		50	27	8 x 7 x 40	26
100	476	212	5	M10 x 22	28		60	31	8 x 7 x 50	30

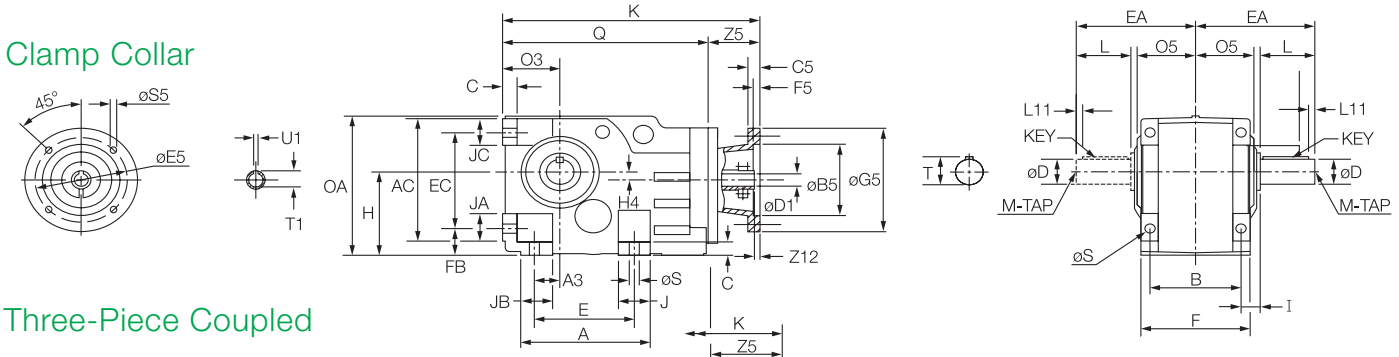
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +3 kg.

Quantis® reducers

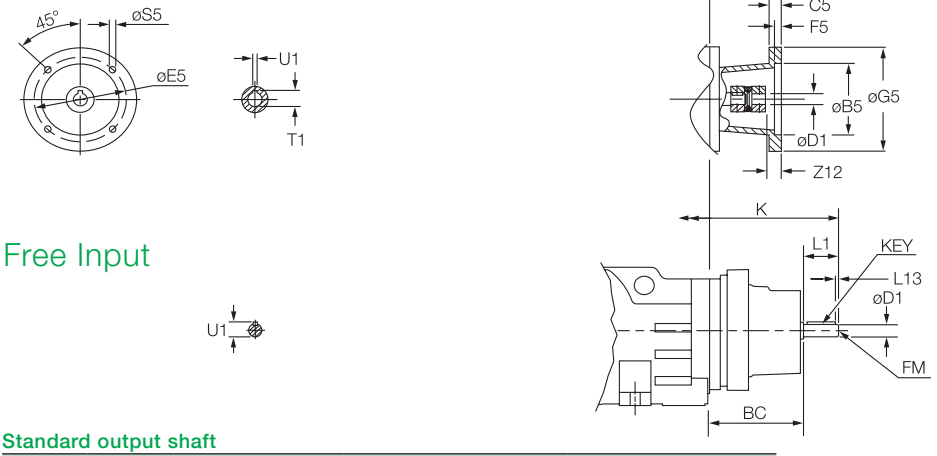
RHB reducer dimensions BB68

Foot mounted, solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
40	k6	43	80	5	12 x 8 x 70	M16 x 36	170

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
50	k6	54	100	10	14 x 9 x 80	M16 x 36	190

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
120	208	170	20	140	170	160	140	30	45	22	14	50	50	50	48	231	310	90	86	7

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	375	65	110		130	160	M8	14		16	5	17	5	4	39
80D	399	89	130		165	200	M10	19		22	6	17	5	16	41
90D	399	89	130	H7	165	200	M10	24	F7	27	8	17	5	16	41
100D	406	96	180		215	250	M12	28		31	8	22	5	7	43
112D	415	105	180		215	250	M12	28		31	8	21	5	7	44

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	506	196	130		165	200	M10	19		22	6	17	5	15	49
90D	506	196	130	H7	165	200	M10	24	H7	27	8	17	5	26	49
100D	529	218	180		215	250	M12	28		31	8	19	5	30	53
112D	528	217	180		215	250	M12	28		31	8	19	5	30	54

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	456	146	4	M5 x 12,5	16		40	18	5 x 5 x 32	40
80	491	181	4	M6 x 16	19		40	22	6 x 6 x 32	44
90	501	191	5	M8 x 19	24	k6	50	27	8 x 7 x 40	44
100	517	207	5	M10 x 22	28		60	31	8 x 7 x 50	48
112	518	208	5	M10 x 22	28		60	31	8 x 7 x 50	49

* Weights are without oil.

Refer to page 86-88 for oil quantities.

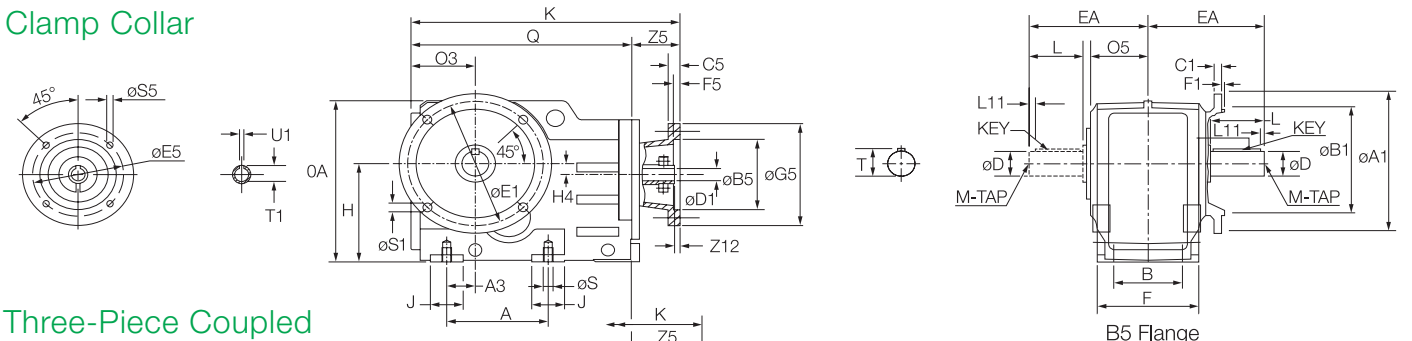
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions BF68

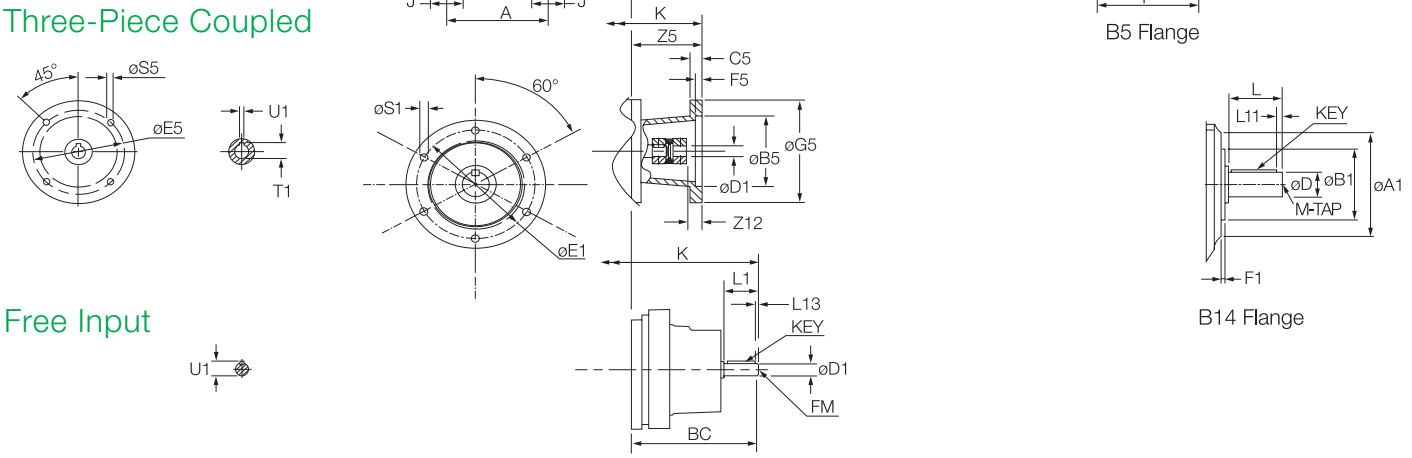
Flange mounted (B5 - B14), solid output shaft

Clamp Collar



B5 Flange

Three-Piece Coupled



B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
40	k6	43	80	5	12 x 8 x 70	M16 x 36	170

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
50	k6	54	100	10	14 x 9 x 80	M16 x 36	190

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
150	110	j6	130	M12 x 21	4

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
250	180	j6	215	14	4	15

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
140	140	152	88	42	M12 x 21	50	231	309	88	86	7

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	373	65	110		130	160	M8	14		16	5	17	5	4	39
80D	397	89	130		165	200	M10	19		22	6	17	5	16	41
90D	397	89	130	H7	165	200	M10	24	F7	27	8	17	5	16	41
100D	404	96	180		215	250	M12	28		31	8	22	5	7	43
112D	413	105	180		215	250	M12	28		31	8	21	5	7	44

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	505	196	130		165	200	M10	19		22	6	17	5	15	49
90D	505	196	130	H7	165	200	M10	24	H7	27	8	17	5	25	49
100D	527	218	180		215	250	M12	28		31	8	19	5	30	53
112D	526	217	180		215	250	M12	28		31	8	19	5	30	54

Free input

	3 stage								Weight *
Frame	K	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	454	146	4	M5 x 12,5		40	18	5 x 5 x 32	41
80	489	181	4	M6 x 16		40	22	6 x 6 x 32	44
90	499	191	5	M8 x 19	k6	50	27	8 x 7 x 40	44
100	515	207	5	M10 x 22		60	31	8 x 7 x 50	49
112	516	208	5	M10 x 22		60	31	8 x 7 x 50	49

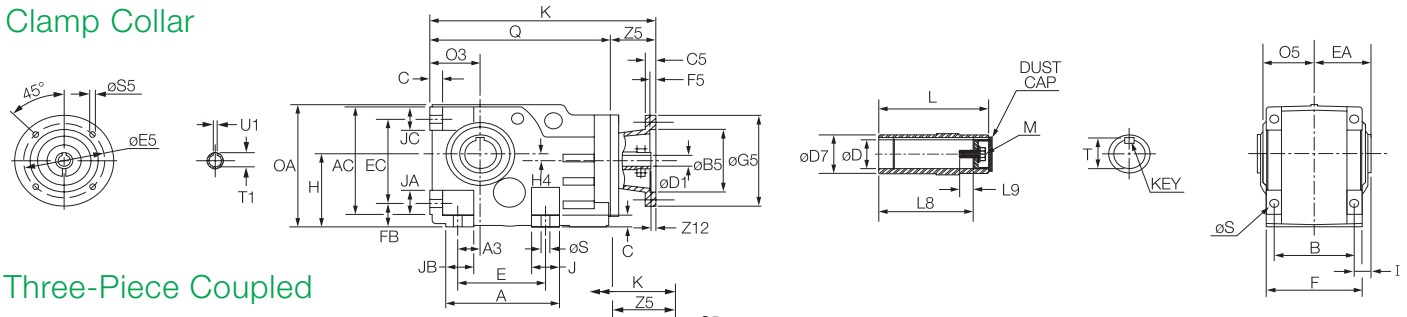
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +5 kg.

Quantis® reducers

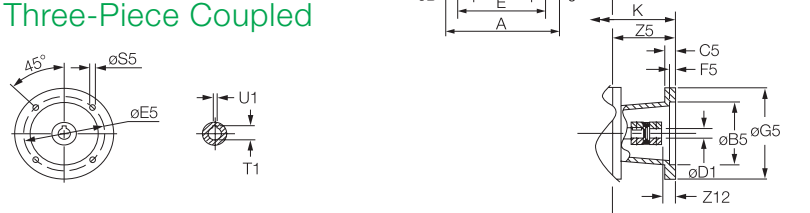
RHB reducer dimensions

Foot mounted, hollow output shaft BB68

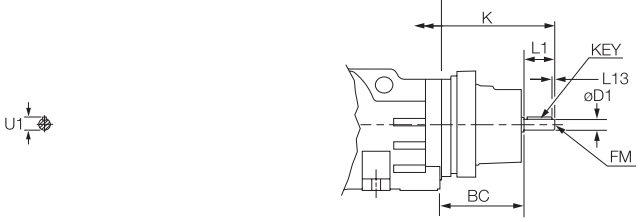
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
40	H7	65	43	150	48	180	12 x 8 x 50	M16 x 60	90

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
45	H7	65	49	150	47	180	14 x 9 x 70	M16 x 60	90

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
120	208	170	20	140	170	160	140	30	45	22	14	50	50	50	48	231	310	90	86	7

IEC motor adapter-clamp collar

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
71D	375	65	110		130	160	M8	14		16	5	17	5	4	39
80D	399	89	130		165	200	M10	19		22	6	17	5	16	41
90D	399	89	130	H7	165	200	M10	24	F7	27	8	17	5	16	41
100D	406	96	180		215	250	M12	28		31	8	22	5	7	43
112D	415	105	180		215	250	M12	28		31	8	21	5	7	44

IEC motor adapter-3-pc coupled

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
80D	506	196	130		165	200	M10	19		22	6	17	5	15	48
90D	506	196	130	H7	165	200	M10	24	H7	27	8	17	5	25	48
100D	529	218	180		215	250	M12	28		31	8	19	5	30	53
112D	528	217	180		215	250	M12	28		31	8	19	5	30	55

Free input

Frame	3 stage K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	Weight * [kg]
71	456	146	4	M5 x 12,5	16		40	18	5 x 5 x 32	40
80	456	276	4	M6 x 16	19		40	22	6 x 6 x 32	44
90	399	321	5	M8 x 19	24	k6	50	27	8 x 7 x 40	44
100	406	337	5	M10 x 22	28		60	31	8 x 7 x 50	48
112	518	208	5	M10 x 22	28		60	31	8 x 7 x 50	49

* Weights are without oil.

Refer to page 86-88 for oil quantities.

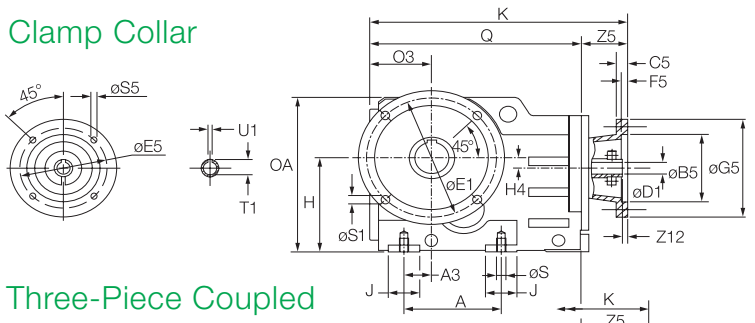
3-Piece Coupled weights are without backstop.

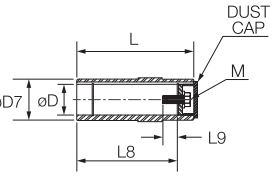
Quantis® reducers

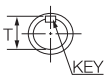
RHB reducer dimensions

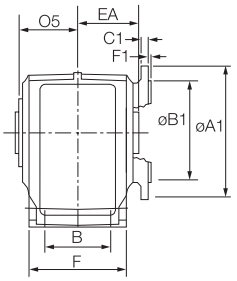
Flange mounted (B5 - B14), hollow output shaft BF68

Clamp Collar



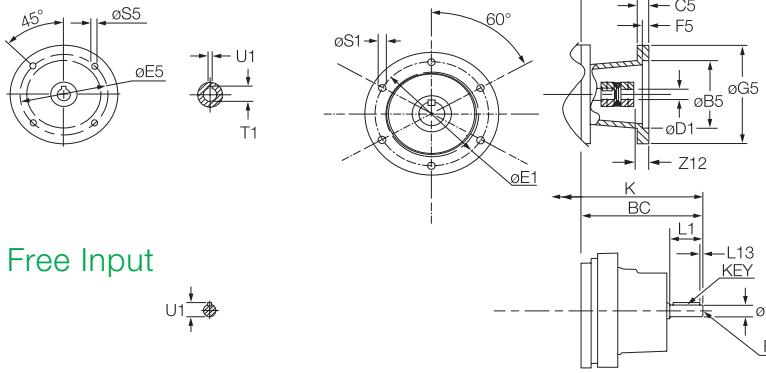


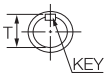


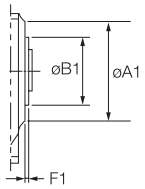


B5 Flange

Three-Piece Coupled







B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
40	H7	65	43	150	48	180	12 x 8 x 50	M16 x 60	90

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
45	H7	65	49	150	47	180	14 x 9 x 70	M16 x 60	90

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
150	110	j6	130	M12 x 21	4

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
250	180	j6	215	14	4	15

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
140	140	152	88	42	M12 x 21	50	231	309	88	86	7

IEC motor adapter-clamp collar

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
71D	373	65	110		130	160	M8	14		16	5	17	5	4	39
80D	397	89	130		165	200	M10	19		22	6	17	5	16	41
90D	397	89	130	H7	165	200	M10	24	F7	27	8	17	5	16	41
100D	404	96	180		215	250	M12	28		31	8	22	5	7	43
112D	413	105	180		215	250	M12	28		31	8	21	5	7	44

IEC motor adapter-3-pc coupled

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
80D	505	196	130		165	200	M10	19		22	6	17	5	15	49
90D	505	196	130	H7	165	200	M10	24	H7	27	8	17	5	26	49
100D	527	218	180		215	250	M12	28		31	8	19	5	30	53
112D	526	217	180		215	250	M12	28		31	8	19	5	30	54

Free input

Frame	3 stage K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	Weight * [kg]
71	454	146	4	M5 x 12,5	16		40	18	5 x 5 x 32	41
80	489	181	4	M6 x 16	19		40	22	6 x 6 x 32	44
90	499	191	5	M8 x 19	24	k6	50	27	8 x 7 x 40	44
100	515	207	5	M10 x 22	28		60	31	8 x 7 x 50	49
112	516	208	5	M10 x 22	28		60	31	8 x 7 x 50	49

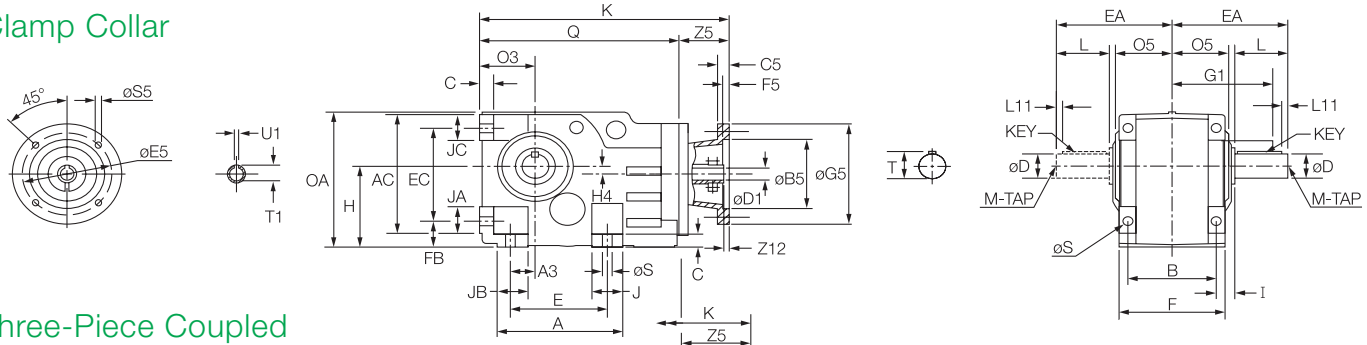
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +5 kg.

Quantis® reducers

RHB reducer dimensions BB88

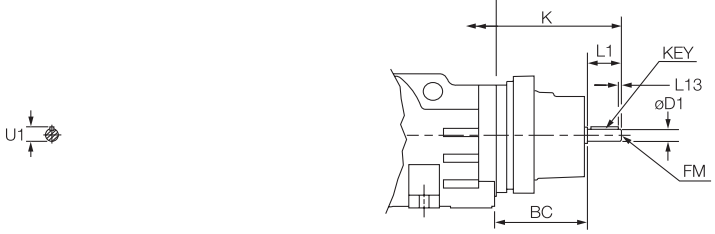
Foot mounted, solid output shaft

Clamp Collar



Three-Piece Coupled

Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
50	k6	54	100	10	14 x 9 x 80	M16 x 36	205

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
70	m6	75	140	15	20 x 12 x 110	M20 x 42	245

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
150	262	200	23	180	205	200	165	40	55	25	18	55	55	55	65	295	374	112	100	20

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	433	59	110	H7	130	160	M8	14	F7	16	5	17	5	4	64
80D	457	83	130		165	200	M10	19		22	6	17	5	16	66
90D	457	83	130		165	200	M10	24		27	8	17	5	16	66
100D	464	90	180		215	250	M12	28		31	8	22	5	7	68
112D	471	97	180		215	250	M12	28		31	8	21	5	7	69
132D	512	138	230		265	300	M12	38		41	10	21	5	22	77

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	564	190	130	H7	165	200	M10	19	H7	22	6	17	5	15	73
90D	564	190	130		165	200	M10	24		27	8	17	5	26	73
100D	587	213	180		215	250	M12	28		31	8	19	5	30	78
112D	584	210	180		215	250	M12	28		31	8	19	5	30	80
132D	645	271	230		265	300	M12	38		41	10	19	5	45	90

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	514	140	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	65
80	549	175	4	M6 x 16	19		40	22	6 x 6 x 32	69
90	559	185	5	M8 x 19	24		50	27	8 x 7 x 40	69
100	575	201	5	M10 x 22	28		60	31	8 x 7 x 50	73
112	574	200	5	M10 x 22	28		60	31	8 x 7 x 50	74
132	658	284	5	M12 x 28	38		80	41	10 x 8 x 70	86

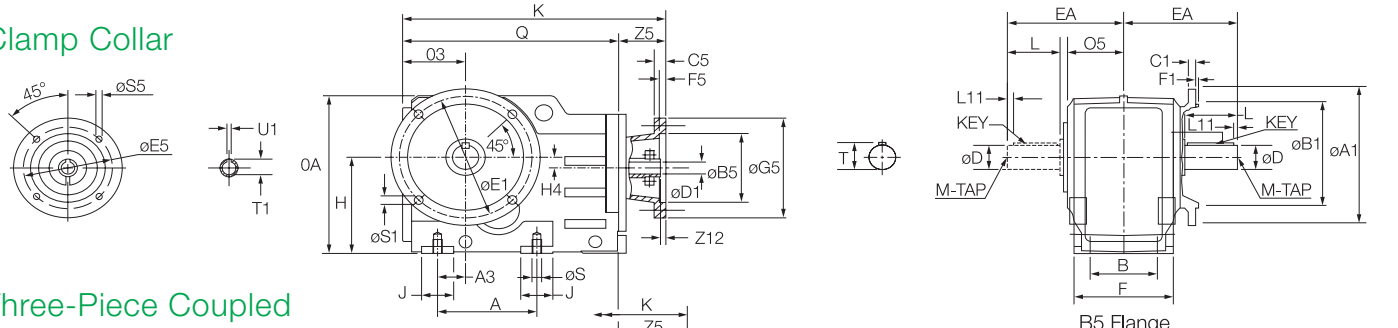
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions BF88

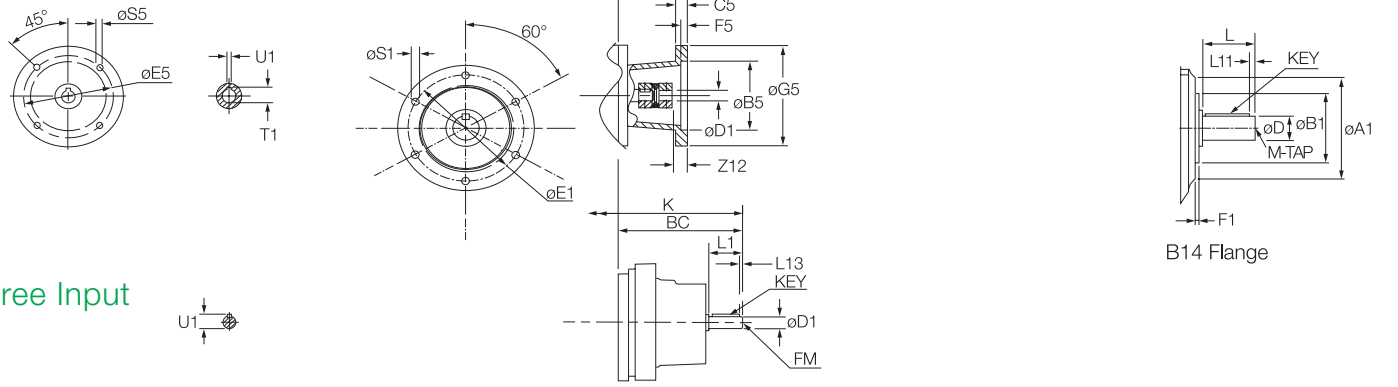
Flange mounted (B5 - B14), solid output shaft

Clamp Collar



B5 Flange

Three-Piece Coupled



B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
50	k6	54	100	10	14 x 9 x 80	M16 x 36	205

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
70	m6	75	140	15	20 x 12 x 110	M20 x 42	245

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
190	130	j6	165	M12 x 21	4

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
300	230	j6	265	14	4	16

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
170	180	170	115	48	M16 x 28	55	295	372	110	100	20

IEC motor adapter-clamp collar

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
71D	431	59	110		130	160	M8	14		16	5	17	5	4	63
80D	454	83	130		165	200	M10	19		22	6	17	5	16	66
90D	454	83	130	H7	165	200	M10	24	F7	27	8	17	5	16	66
100D	462	90	180		215	250	M12	28		31	8	22	5	7	68
112D	468	97	180		215	250	M12	28		31	8	21	5	7	69
132D	510	138	230		265	300	M12	38		41	10	21	5	22	76

IEC motor adapter-3-pc coupled

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
80D	562	190	130		165	200	M10	19		22	6	17	5	15	73
90D	562	190	130		165	200	M10	24		27	8	17	5	26	73
100D	585	213	180	H7	215	250	M12	28	H7	31	8	19	5	30	78
112D	581	210	180		215	250	M12	28		31	8	19	5	30	80
132D	643	271	230		265	300	M12	38		41	10	19	5	45	90

Free input

Frame	3 stage K	L13	FM	Ø D1	Tol.	L1	U1	Key	Weight * [kg]
71	512	140	4	M5 x 12,5		40	18	5 x 5 x 32	65
80	547	175	4	M6 x 16		40	22	6 x 6 x 32	69
90	557	185	5	M8 x 19	k6	50	27	8 x 7 x 40	69
100	573	201	5	M10 x 22		60	31	8 x 7 x 50	73
112	572	200	5	M10 x 22		60	31	8 x 7 x 50	74
132	656	284	5	M12 x 28		80	41	10 x 8 x 70	86

* Weights are without oil.

Refer to page 86-88 for oil quantities.

3-Piece Coupled weights are without backstop.

Weights are for B14 flange.

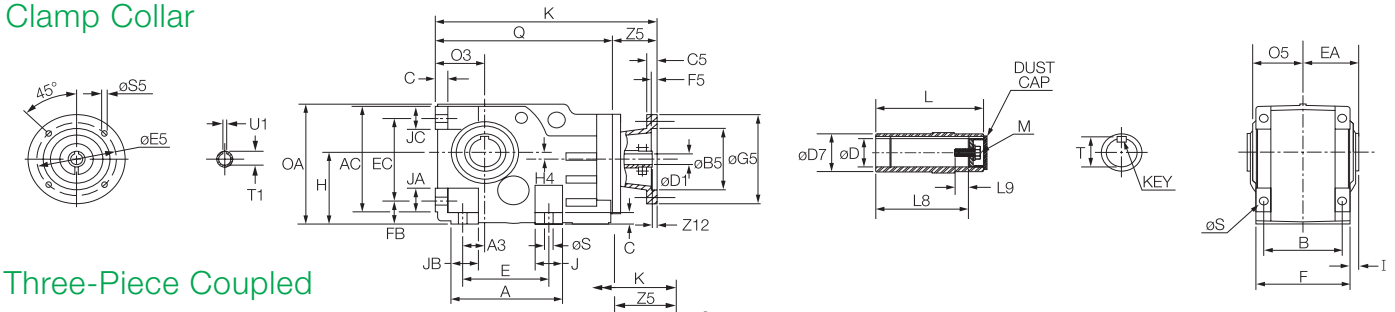
B5 flange = +7 kg.

Quantis® reducers

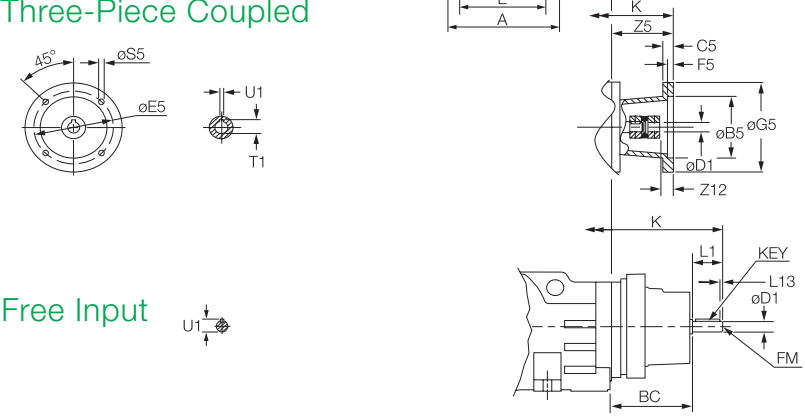
RHB reducer dimensions

Foot mounted, hollow output shaft BB88

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
50	H7	80	54	180	48	210	14 x 9 x 80	M16 x 60	105

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
60	H7	80	64	180	58	210	18 x 11 x 100	M20 x 70	105

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
150	262	200	23	180	205	200	165	40	55	25	18	55	55	55	65	295	374	112	100	20

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
71D	433	59	110	H7	130	160	M8	14	F7	16	5	17	5	4	64
80D	457	83	130		165	200	M10	19		22	6	17	5	16	66
90D	457	83	130		165	200	M10	24		27	8	17	5	16	66
100D	464	90	180		215	250	M12	28		31	8	22	5	7	68
112D	471	97	180		215	250	M12	28		31	8	21	5	7	69
132D	512	138	230		265	300	M12	38		41	10	21	5	22	77

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	564	190	130	H7	165	200	M10	19	H7	22	6	17	5	15	73
90D	564	190	130		165	200	M10	24		27	8	17	5	26	73
100D	587	213	180		215	250	M12	28		31	8	19	5	30	78
112D	584	210	180		215	250	M12	28		31	8	19	5	30	80
132D	645	271	230		265	300	M12	38		41	10	19	5	45	90

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
71	514	140	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	65
80	549	175	4	M6 x 16	19		40	22	6 x 6 x 32	69
90	559	185	5	M8 x 19	24		50	27	8 x 7 x 40	69
100	575	201	5	M10 x 22	28		60	31	8 x 7 x 50	73
112	574	200	5	M10 x 22	28		60	31	8 x 7 x 50	74
132	658	284	5	M12 x 28	38		80	41	10 x 8 x 70	86

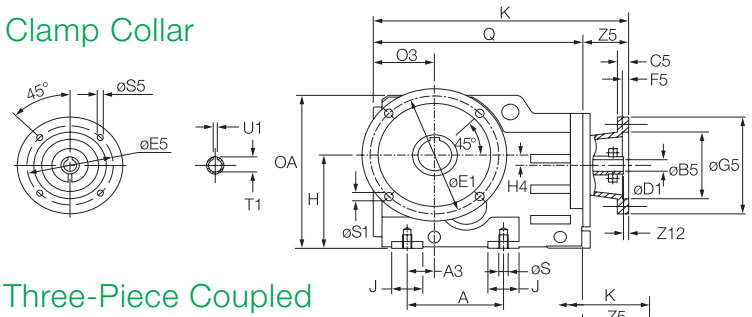
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.

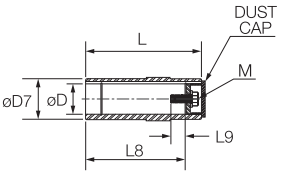
Quantis® reducers

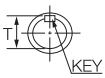
RHB reducer dimensions

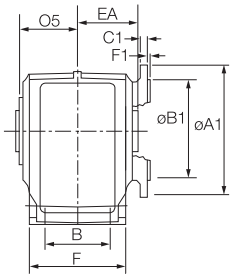
Flange mounted (B5 - B14), hollow output shaft BF88

Clamp Collar



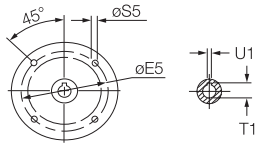


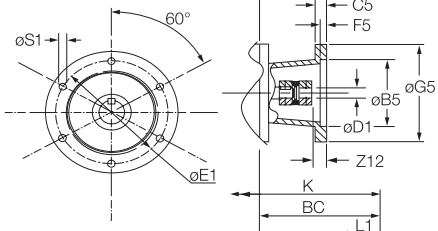


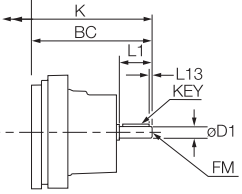


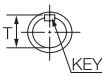
B5 Flange

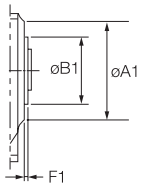
Three-Piece Coupled











B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
50	H7	80	54	180	48	210	14 x 9 x 80	M16 x 60	105

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
60	H7	80	64	180	58	210	18 x 11 x 100	M20 x 70	105

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
170	180	170	115	48	M16 x 28	55	295	372	110	100	20

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
190	130	j6	165	M12 x 21	4

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
300	230	j6	265	14	4	16

IEC motor adapter-clamp collar

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
71D	431	59	110		130	160	M8	14		16	5	17	5	4	63
80D	454	83	130		165	200	M10	19		22	6	17	5	16	66
90D	454	83	130	H7	165	200	M10	24	F7	27	8	17	5	16	66
100D	462	90	180		215	250	M12	28		31	8	22	5	7	67
112D	468	97	180		215	250	M12	28		31	8	21	5	7	69
132D	510	138	230		265	300	M12	38		41	10	21	5	22	76

IEC motor adapter-3-pc coupled

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
80D	562	190	130		165	200	M10	19		22	6	17	5	15	73
90D	562	190	130		165	200	M10	24		27	8	17	5	26	73
100D	585	213	180	H7	215	250	M12	28	H7	31	8	19	5	30	78
112D	581	210	180		215	250	M12	28		31	8	19	5	30	79
132D	643	271	230		265	300	M12	38		41	10	19	5	45	89

Free input

Frame	3 stage K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	Weight * [kg]
71	512	4	4	M5 x 12,5	16		40	18	5 x 5 x 32	65
80	547	4	4	M6 x 16	19		40	22	6 x 6 x 32	69
90	557	5	5	M8 x 19	24		50	27	8 x 7 x 40	69
100	573	5	5	M10 x 22	28	k6	60	31	8 x 7 x 50	73
112	572	5	5	M10 x 22	28		60	31	8 x 7 x 50	74
132	656	5	5	M12 x 28	38		80	41	10 x 8 x 70	85

* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +7 kg.

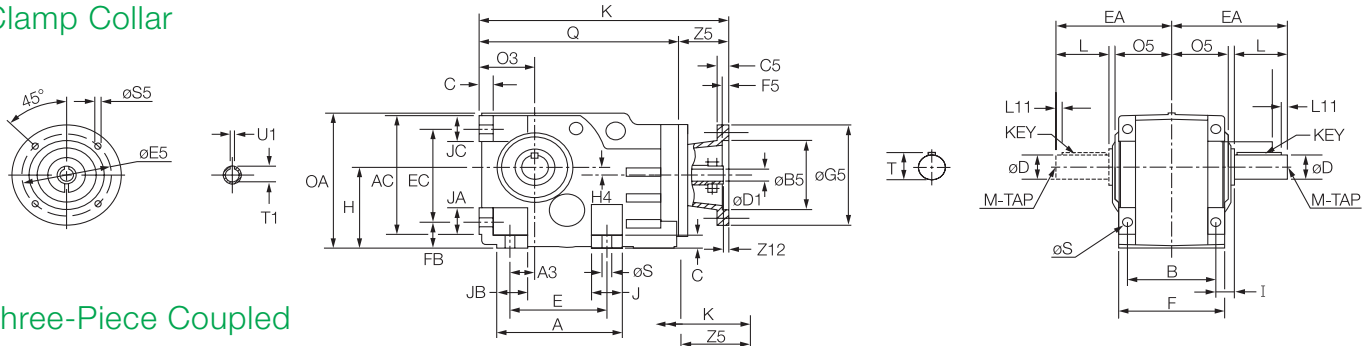
Quantis® reducers

RHB reducer dimensions

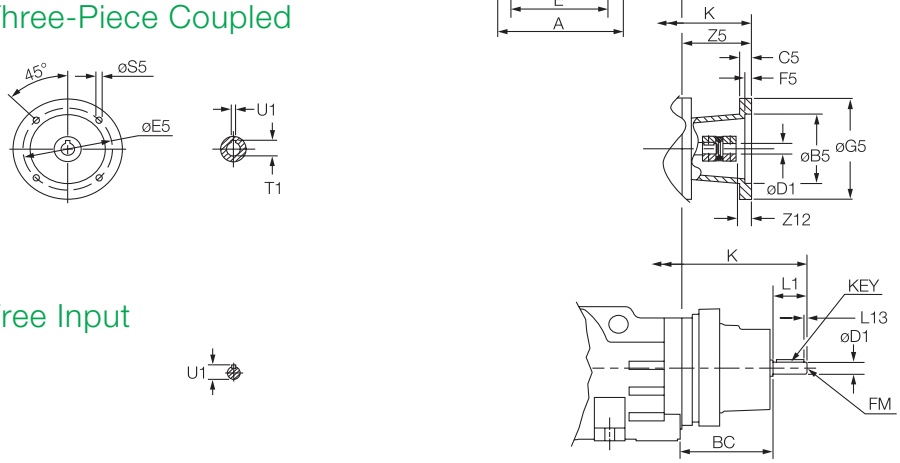
BB108

Foot mounted, solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
60	m6	64	120	5	18 x 11 x 100	M20 X 42	240

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
80	m6	85	170	20	22 x 14 x 125	M20 X 42	290

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
180	307	230	30	212	255	233	180	55	70	30	22	80	70	70	74	345	460	132	115	13

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	528	68	130	H7	165	200	M10	19	F7	22	6	17	5	16	116
90D	528	68	130		165	200	M10	24		27	8	17	5	16	116
100D	532	72	180		215	250	M12	28		31	8	22	5	7	117
112D	538	78	180		215	250	M12	28		31	8	21	5	7	118
132D	579	119	230		265	300	M12	38		41	10	21	5	22	125
160D	622	162	250		300	350	M16	42		45	12	27	6	20	134

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	635	175	130	H7	165	200	M10	19	H7	22	6	17	5	15	123
90D	635	175	130		165	200	M10	24		27	8	17	5	26	123
100D	655	195	180		215	250	M12	28		31	8	19	5	30	127
112D	651	191	180		215	250	M12	28		31	8	19	5	30	129
132D	713	253	230		265	300	M12	38		41	10	19	5	45	137
160D	779	319	250		300	350	M16	42		45	12	30	6	66	159

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
80	620	160	4	M6 x 16	19	k6	40	22	6 x 6 x 32	119
90	630	170	5	M8 x 19	24		50	27	8 x 7 x 40	119
100	643	183	5	M10 x 22	28		60	31	8 x 7 x 50	122
112	641	181	5	M10 x 22	28		60	31	8 x 7 x 50	124
132	726	266	5	M12 x 28	38		80	41	10 x 8 x 70	133
160	769	309	10	M16 x 36	42		110	45	12 x 8 x 90	144

* Weights are without oil.

Refer to page 86-88 for oil quantities.

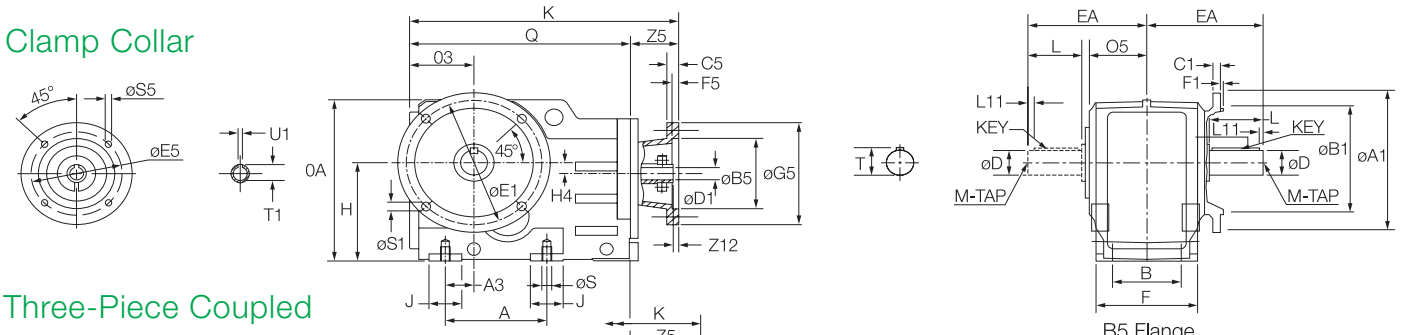
3-Piece Coupled weights are without backstop.

Quantis® reducers

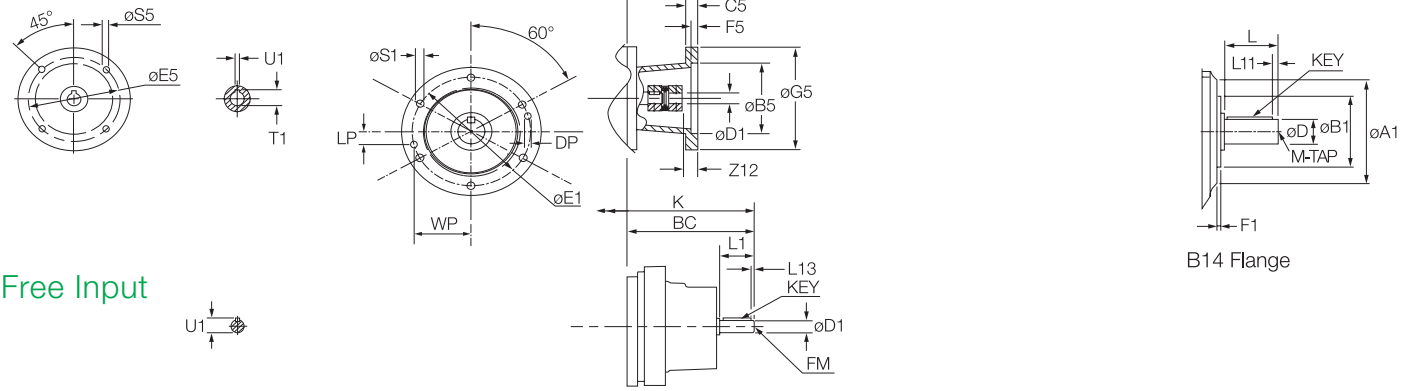
RHB reducer dimensions BF108

Flange mounted (B5 - B14), solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
60	m6	64	120	5	18 x 11 x 100	M20 x 42	240

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
80	m6	85	170	20	22 x 14 x 125	M20 x 42	290

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
245	180	j6	215	M16 x 28	4	12	28	103

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
350	250	h6	300	18	5	18

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
210	212	225	167	70	M16 x 28	70	345	463	135	115	13

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	531	68	130		165	200	M10	19		22	6	17	5	16	119
90D	531	68	130		165	200	M10	24		27	8	17	5	16	119
100D	536	72	180		215	250	M12	28		31	8	22	5	7	120
112D	541	78	180	H7	215	250	M12	28	F7	31	8	21	5	7	122
132D	582	119	230		265	300	M12	38		41	10	21	5	22	127
160D	626	162	250		300	350	M16	42		45	12	27	6	20	137

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	638	175	130		165	200	M10	19		22	6	17	5	15	126
90D	638	175	130		165	200	M10	24		27	8	17	5	26	126
100D	658	195	180		215	250	M12	28		31	8	19	5	30	130
112D	654	191	180	H7	215	250	M12	28	H7	31	8	19	5	30	132
132D	716	252	230		265	300	M12	38		41	10	19	5	45	141
160D	782	319	250		300	350	M16	42		45	12	30	6	66	162

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
80	623	160	4	M6 x 16	19		40	22	6 x 6 x 32	122
90	633	170	5	M8 x 19	24		50	27	8 x 7 x 40	122
100	647	183	5	M10 x 22	28		60	31	8 x 7 x 50	125
112	645	181	5	M10 x 22	28	k6	60	31	8 x 7 x 50	127
132	729	266	5	M12 x 28	38		80	41	10 x 8 x 70	137
160	773	309	10	M16 x 36	42		110	45	12 x 8 x 90	146

* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +10 kg.

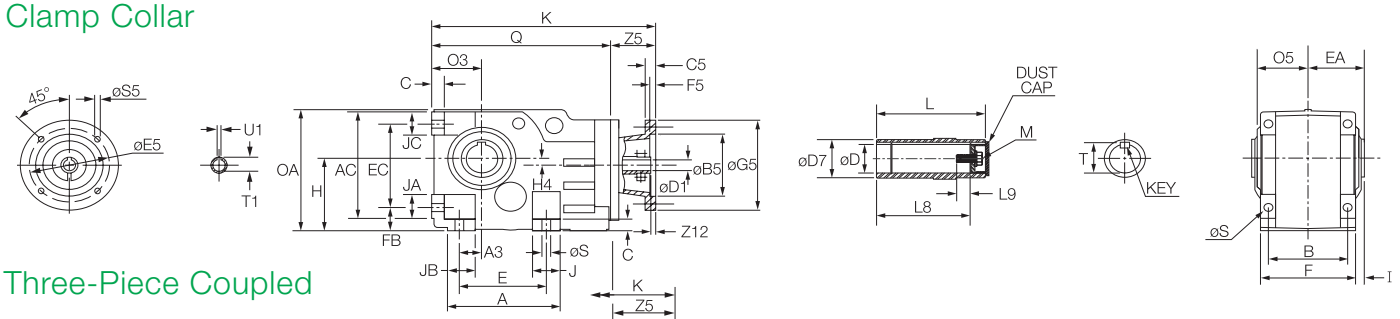
Quantis® reducers

RHB reducer dimensions

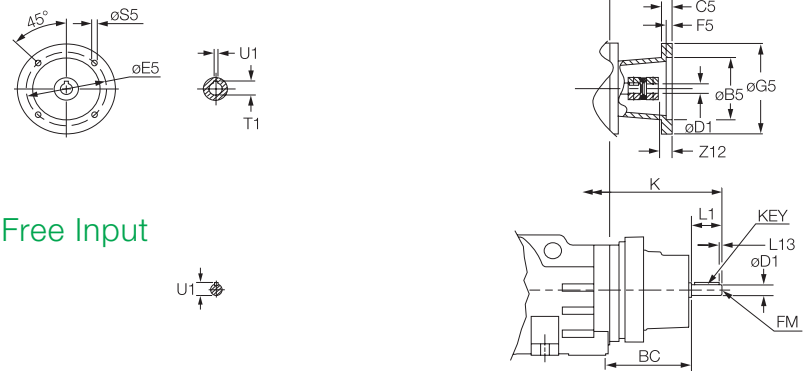
Foot mounted, hollow output shaft

BB108

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
60	H7	95	64	208	68	240	18 x 11 x 100	M20 x 80	120

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
70	H7	95	75	208	67	240	20 x 12 x 110	M20 x 80	120

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
180	307	230	30	212	255	233	180	55	70	30	22	80	70	70	74	345	460	132	115	13

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	528	68	130		165	200	M10	19		22	6	17	5	16	116
90D	528	68	130		165	200	M10	24		27	8	17	5	16	116
100D	532	72	180		215	250	M12	28		31	8	22	5	7	117
112D	538	78	180	H7	215	250	M12	28	F7	31	8	21	5	7	118
132D	579	119	230		265	300	M12	38		41	10	21	5	22	125
160D	622	162	250		300	350	M16	42		45	12	27	6	20	134

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
80D	635	175	130		165	200	M10	19		22	6	17	5	15	123
90D	635	175	130		165	200	M10	24		27	8	17	5	26	123
100D	655	195	180		215	250	M12	28		31	8	19	5	30	127
112D	651	191	180	H7	215	250	M12	28	H7	31	8	19	5	30	129
132D	713	253	230		265	300	M12	38		41	10	19	5	45	137
160D	779	319	250		300	350	M16	42		45	12	30	6	66	159

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
80	620	160	4	M6 x 16	19		40	22	6 x 6 x 32	119
90	630	170	5	M8 x 19	24		50	27	8 x 7 x 40	119
100	643	183	5	M10 x 22	28		60	31	8 x 7 x 50	122
112	641	181	5	M10 x 22	28	k6	60	31	8 x 7 x 50	124
132	726	266	5	M12 x 28	38		80	41	10 x 8 x 70	133
160	769	309	10	M16 x 36	42		110	45	12 x 8 x 90	144

* Weights are without oil.

Refer to page 86-88 for oil quantities.

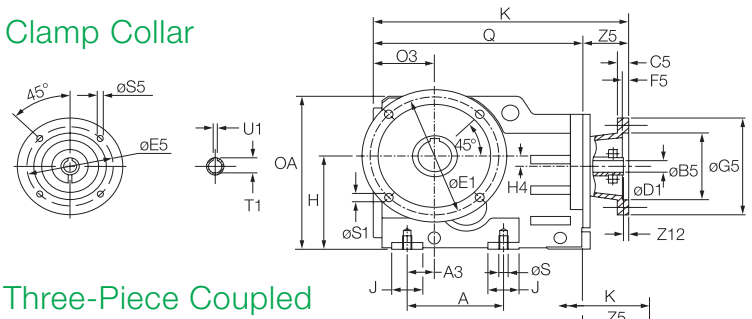
3-Piece Coupled weights are without backstop.

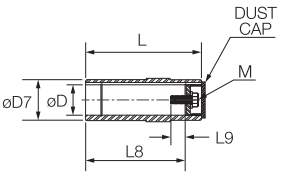
Quantis® reducers

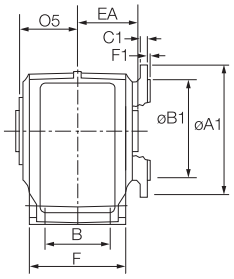
RHB reducer dimensions

Flange mounted (B5 - B14), hollow output shaft BF108

Clamp Collar

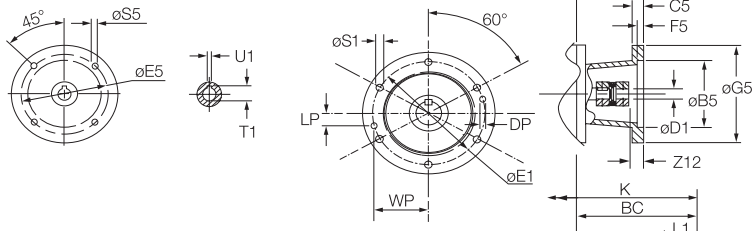


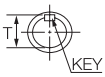


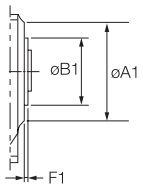


B5 Flange

Three-Piece Coupled







B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
60	H7	95	64	208	68	240	18 x 11 x 100	M20 x 80	120

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
70	H7	95	75	208	67	240	20 x 12 x 110	M20 x 80	120

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
245	180	j6	215	M16 x 28	4	12	28	103

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
350	250	h6	300	18	5	18

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
210	212	225	167	70	M16 x 28	70	345	463	135	115	13

IEC motor adapter-clamp collar

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
80D	531	68	130	H7	165	200	M10	19	F7	22	6	17	5	16	119
90D	531	68	130		165	200	M10	24		27	8	17	5	16	119
100D	536	72	180		215	250	M12	28		31	8	22	5	7	120
112D	541	78	180		215	250	M12	28		31	8	21	5	7	122
132D	582	119	230		265	300	M12	38		41	10	21	5	22	127
160D	626	162	250		300	350	M16	42		45	12	27	6	20	137

IEC motor adapter-3-pc coupled

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
80D	638	175	130	H7	165	200	M10	19	H7	22	6	17	5	15	126
90D	638	175	130		165	200	M10	24		27	8	17	5	26	126
100D	658	195	180		215	250	M12	28		31	8	19	5	30	130
112D	654	191	180		215	250	M12	28		31	8	19	5	30	132
132D	716	252	230		265	300	M12	38		41	10	19	5	45	141
160D	782	319	250		300	350	M16	42		45	12	30	6	66	162

Free input

Frame	3 stage K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	Weight * [kg]
80	647	160	4	M6 x 16	19	k6	40	22	6 x 6 x 32	122
90	645	170	5	M8 x 19	24		50	27	8 x 7 x 40	122
100	623	183	5	M10 x 22	28		60	31	8 x 7 x 50	125
112	633	181	5	M10 x 22	28		60	31	8 x 7 x 50	127
132	773	266	5	M12 x 28	38		80	41	10 x 8 x 70	137
160	729	309	10	M16 x 36	42		110	45	12 x 8 x 90	146

* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +10 kg.

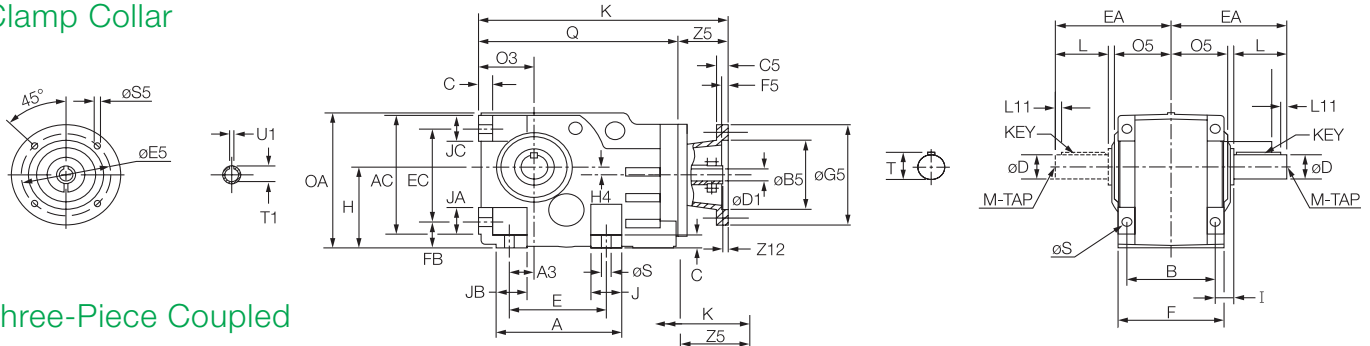
Quantis® reducers

RHB reducer dimensions

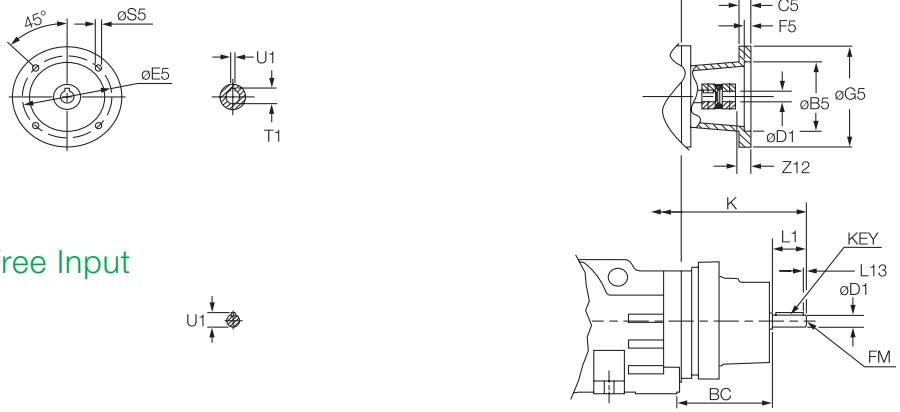
BB128

Foot mounted, solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
70	m6	75	140	8	20 x 12 x 125	M20 x 42	290

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
90	m6	95	170	15	25 x 14 x 140	M24 x 50	320

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
240	383	290	30	265	320	295	240	75	75	35	26	80	80	80	90	423	531	160	145	20

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
90D	587	56	130		165	200	M10	24		27	8	17	5	16	181
100D	592	61	180		215	250	M12	28		31	8	17	5	7	182
112D	598	67	180		215	250	M12	28		31	8	22	5	7	183
132D	638	107	230	H7	265	300	M12	38	F7	41	10	21	5	22	189
160D	682	151	250		300	350	M16	42		45	12	21	6	20	198
180D	695	164	250		300	350	M16	48		52	14	27	6	22	204
200D	705	174	300		350	400	M16	55		59	16	28	6	30	208

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
90D	694	163	130		165	200	M10	24		27	8	17	5	26	188
100D	714	183	180		215	250	M12	28		31	8	17	5	30	192
112D	711	180	180		215	250	M12	28		31	8	19	5	30	194
132D	771	240	230	H7	265	300	M12	38	H7	41	10	19	5	45	201
160D	839	308	250		300	350	M16	42		45	12	30	6	66	223
180D	889	358	250		300	350	M16	48		52	14	25	6	59	245
200D	889	358	300		350	400	M16	55		59	16	25	6	60	251

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
90	689	158	5	M8 x 19	24		50	27	8 x 7 x 40	184
100	702	171	5	M10 x 22	28		60	31	8 x 7 x 50	187
112	701	170	5	M10 x 22	28		60	31	8 x 7 x 50	189
132	784	253	5	M12 x 28	38	k6	80	41	10 x 8 x 70	197
160	829	298	10	M16 x 36	42		110	45	12 x 8 x 90	207
180	849	318	10	M20 x 42	55		110	59	16 x 10 x 90	219

* Weights are without oil.

Refer to page 86-88 for oil quantities.

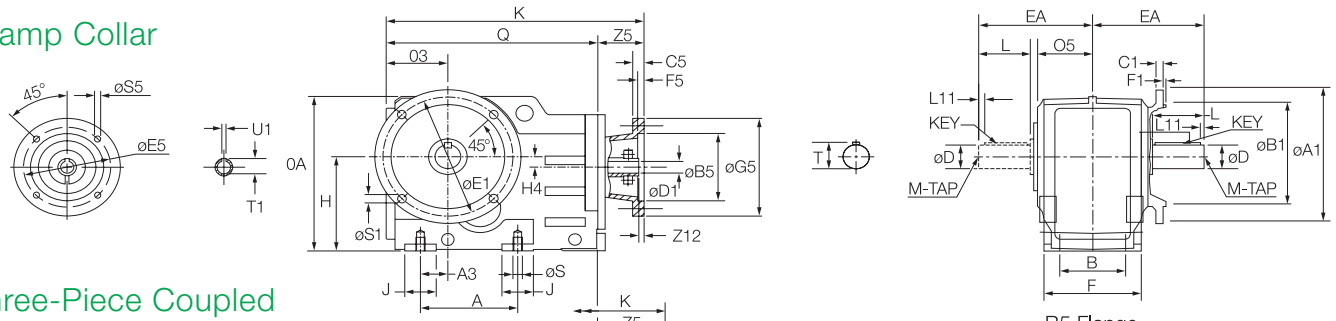
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions BF128

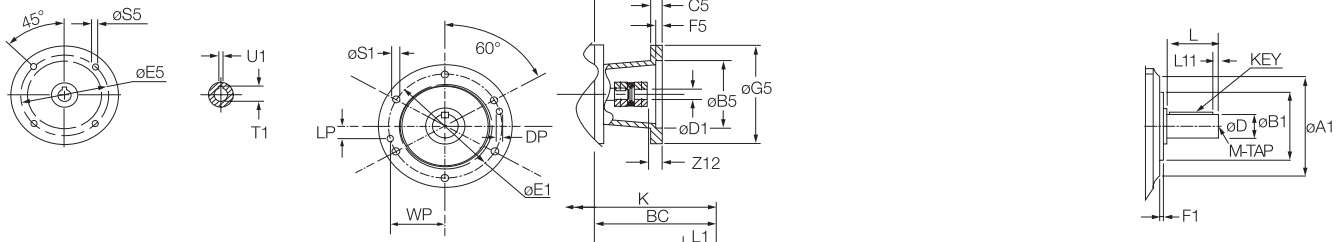
Flange mounted (B5 - B14), solid output shaft

Clamp Collar



B5 Flange

Three-Piece Coupled



B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
70	m6	75	140	8	20 x 12 x 125	M20 x 42	290

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
90	m6	95	170	15	25 x 14 x 140	M24 x 50	320

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
295	230	j6	265	M16 x 28	4	12	43	125

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	18	5	22

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
255	265	248	213	83	M20 x 28	80	423	528	157	145	20

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
90D	583	56	130		165	200	M10	24		27	8	17	5	16	189
100D	588	61	180		215	250	M12	28		31	8	17	5	7	190
112D	594	67	180		215	250	M12	28		31	8	22	5	7	191
132D	634	107	230	H7	265	300	M12	38	F7	41	10	21	5	22	196
160D	678	151	250		300	350	M16	42		45	12	21	6	20	206
180D	692	164	250		300	350	M16	48		52	14	27	6	22	212
200D	702	174	300		350	400	M16	55		59	16	28	6	30	216

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
90D	691	163	130		165	200	M10	24		27	8	17	5	26	196
100D	711	183	180		215	250	M12	28		31	8	17	5	30	200
112D	707	180	180		215	250	M12	28		31	8	19	5	30	202
132D	768	240	230	H7	265	300	M12	38	H7	41	10	19	5	45	210
160D	835	307	250		300	350	M16	42		45	12	30	6	66	230
180D	885	358	250		300	350	M16	48		52	14	25	6	59	253
200D	887	359	300		350	400	M16	55		59	16	25	6	60	259

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
90	686	158	5	M8 x 19	24		50	27	8 x 7 x 40	192
100	699	171	5	M10 x 22	28		60	31	8 x 7 x 50	195
112	697	170	5	M10 x 22	28		60	31	8 x 7 x 50	196
132	781	253	5	M12 x 28	38	k6	80	41	10 x 8 x 70	205
160	825	298	10	M16 x 36	42		110	45	12 x 8 x 90	215
180	846	318	10	M20 x 42	55		110	59	16 x 10 x 90	227

* Weights are without oil.

Refer to page 86-88 for oil quantities.

3-Piece Coupled weights are without backstop.

Weights are for B14 flange.

B5 flange = +17 kg.

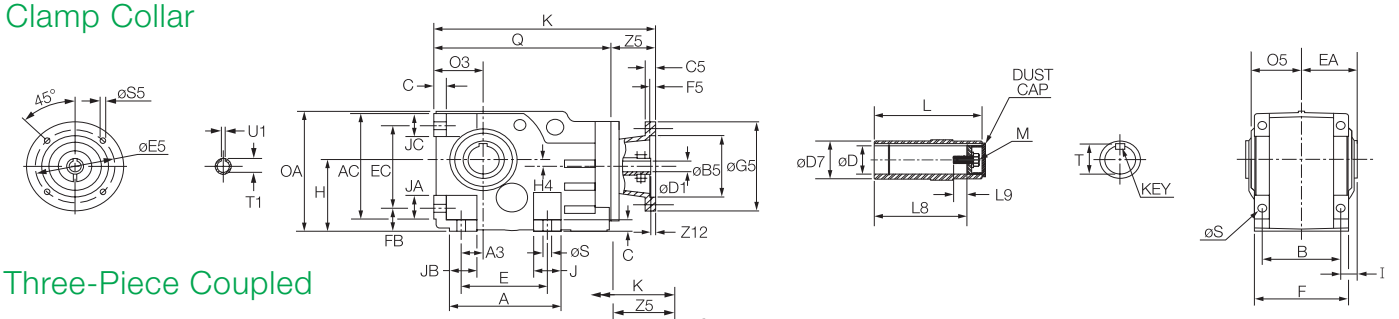
Quantis® reducers

RHB reducer dimensions

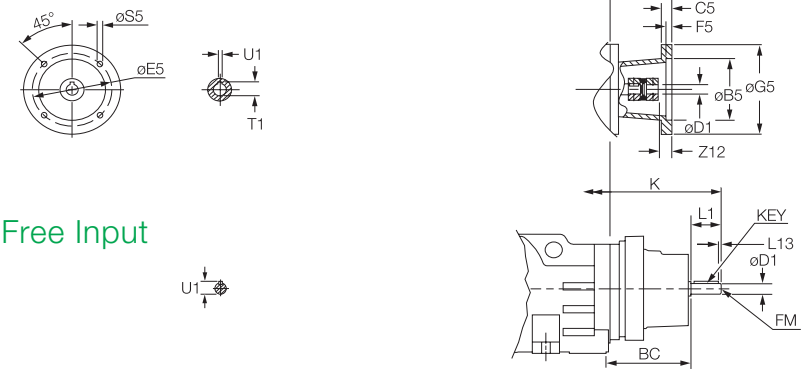
Shaft mounted, hollow output shaft

BB128

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
70	H7	110	75	263	68	300	20 x 12 x 110	M20 x 80	150

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
80	H7	110	85	263	67	300	22 x 14 x 125	M20 x 85	150

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
240	383	290	30	265	320	295	240	75	75	35	26	80	80	80	90	423	531	160	145	20

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
90D	587	56	130		165	200	M10	24		27	8	17	5	16	181
100D	592	61	180		215	250	M12	28		31	8	17	5	7	182
112D	598	67	180		215	250	M12	28		31	8	22	5	7	183
132D	638	107	230	H7	265	300	M12	38	F7	41	10	21	5	22	189
160D	682	151	250		300	350	M16	42		45	12	21	6	20	198
180D	695	164	250		300	350	M16	48		52	14	27	6	22	204
200D	705	174	300		350	400	M16	55		59	16	28	6	30	208

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
90D	694	163	130		165	200	M10	24		27	8	17	5	26	188
100D	714	183	180		215	250	M12	28		31	8	17	5	30	192
112D	711	180	180		215	250	M12	28		31	8	19	5	30	194
132D	771	240	230	H7	265	300	M12	38	H7	41	10	19	5	45	201
160D	839	308	250		300	350	M16	42		45	12	30	6	66	223
180D	889	358	250		300	350	M16	48		52	14	25	6	59	245
200D	890	359	300		350	400	M16	55		59	16	25	6	60	251

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
90	689	158	5	M8 x 19	24		50	27	8 x 7 x 40	184
100	702	171	5	M10 x 22	28		60	31	8 x 7 x 50	187
112	701	170	5	M10 x 22	28		60	31	8 x 7 x 50	189
132	784	253	5	M12 x 28	38	k6	80	41	10 x 8 x 70	197
160	829	298	10	M16 x 36	42		110	45	12 x 8 x 90	207
180	849	318	10	M20 x 42	55		110	59	16 x 10 x 90	219

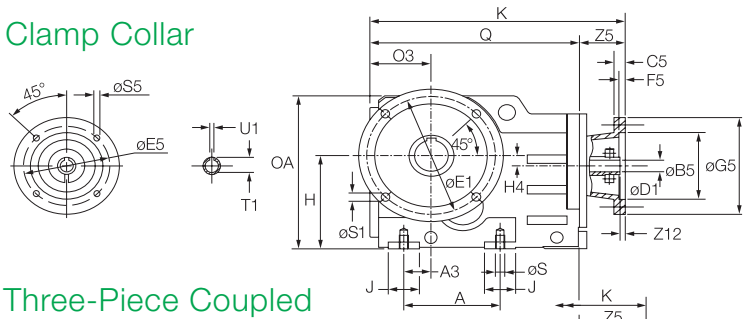
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.

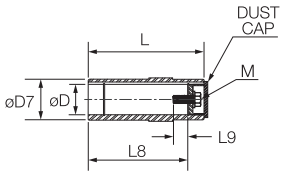
Quantis® reducers

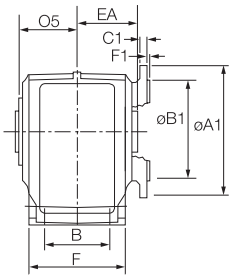
RHB reducer dimensions

Flange mounted (B5 - B14), hollow output shaft BF128

Clamp Collar

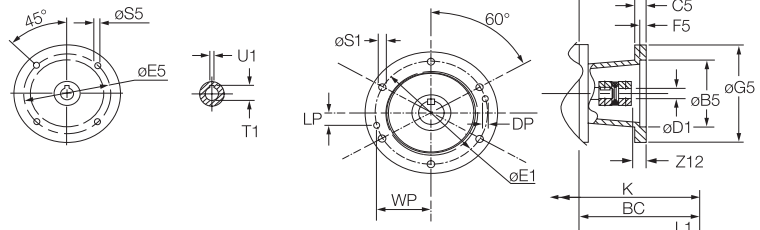


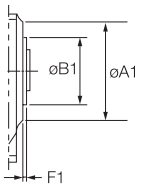




B5 Flange

Three-Piece Coupled





B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
70	H7	110	75	263	68	300	20 x 12 x 110	M20 x 80	150

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
80	H7	110	85	263	67	300	22 x 14 x 125	M20 x 85	150

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
295	230	j6	265	M16 x 28	4	12	43	125

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	18	5	22

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
255	265	248	213	83	M20	80	423	528	157	145	20

IEC motor adapter-clamp collar

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
90D	583	56	130		165	200	M10	24		27	8	17	5	16	189
100D	588	61	180		215	250	M12	28		31	8	17	5	7	190
112D	594	67	180		215	250	M12	28		31	8	22	5	7	191
132D	634	107	230	H7	265	300	M12	38	F7	41	10	21	5	22	196
160D	678	151	250		300	350	M16	42		45	12	21	6	20	206
180D	692	164	250		300	350	M16	48		52	14	27	6	22	212
200D	702	174	300		350	400	M16	55		59	16	28	6	30	216

IEC motor adapter-3-pc coupled

Frame	3 stage K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	Weight * [kg]
90D	691	163	130		165	200	M10	24		27	8	17	5	26	196
100D	711	183	180		215	250	M12	28		31	8	17	5	30	200
112D	707	180	180		215	250	M12	28		31	8	19	5	30	202
132D	768	240	230	H7	265	300	M12	38	H7	41	10	19	5	45	210
160D	835	307	250		300	350	M16	42		45	12	30	6	66	230
180D	885	358	250		300	350	M16	48		52	14	25	6	59	253
200D	887	359	300		350	400	M16	55		59	16	25	6	60	259

Free input

Frame	3 stage K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	Weight * [kg]
90	686	158	5	M8 x 19	24		50	27	8 x 7 x 40	192
100	699	171	5	M10 x 22	28		60	31	8 x 7 x 50	195
112	697	170	5	M10 x 22	28		60	31	8 x 7 x 50	196
132	781	253	5	M12 x 28	38	k6	80	41	10 x 8 x 70	205
160	825	298	10	M16 x 36	42		110	45	12 x 8 x 90	215
180	846	318	10	M20 x 42	55		110	59	16 x 10 x 90	227

* Weights are without oil.

Refer to page 86-88 for oil quantities.

3-Piece Coupled weights are without backstop.

Weights are for B14 flange.

B5 flange = +17 kg.

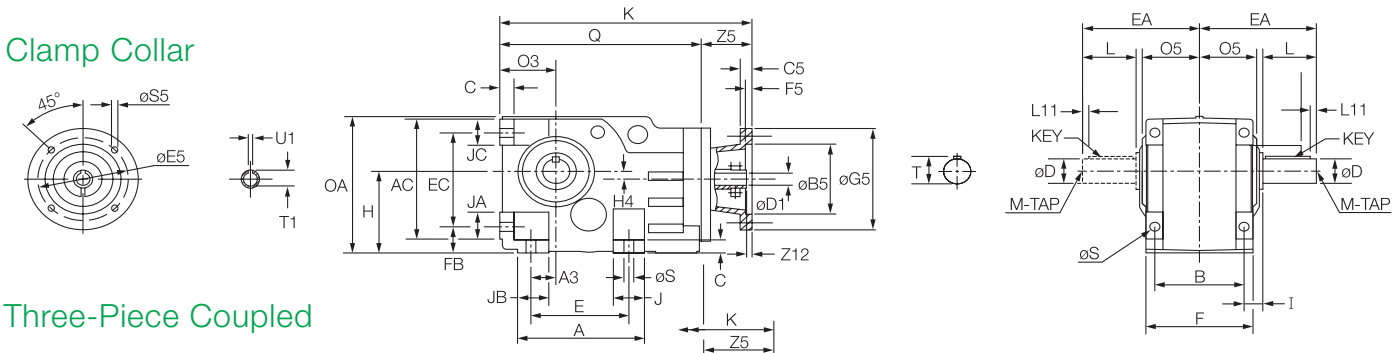
Quantis® reducers

RHB reducer dimensions

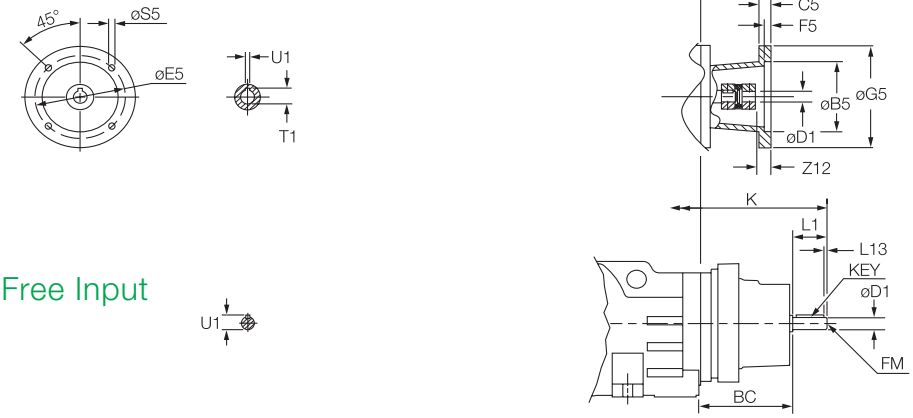
BB148

Foot mounted, solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
90	m6	95	170	15	25 x 14 x 140	M24	345

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
100	m6	106	210	15	28 x 16 x 180	M24	385

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
280	449	340	40	315	386	360	270	95	95	40	33	106	90	90	89	503	622	200	169	37

IEC motor adapter-clamp collar

	3 stage															Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12		[kg]
100D	673	51	180		215	250	M12	28		31	8	17	5	7		275
112D	678	56	180		215	250	M12	28		31	8	22	5	7		276
132D	718	96	230		265	300	M12	38		41	10	21	5	22		280
160D	756	134	250	H7	300	350	M16	42	F7	45	12	21	6	20		294
180D	773	151	250		300	350	M16	48		52	14	27	6	21		295
200D	783	161	300		350	400	M16	55		59	16	28	6	33		299

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
100D	785	163	180		215	250	M12	28		31	8	17	5	30	285
112D	780	158	180		215	250	M12	28		31	8	19	5	30	287
132D	846	224	230		265	300	M12	38		41	10	19	5	45	293
160D	913	291	250	H7	300	350	M16	42	H7	45	12	30	6	66	319
180D	967	345	250		300	350	M16	48		52	14	25	6	59	336
200D	967	345	300		350	400	M16	55		59	16	25	6	60	342
225D	1051	429	350		400	450	M16	60		64	18	27	6	90	390

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
100			5	M10 x 22	28		60	31	8 x 7 x 50	
112			5	M10 x 22	28		60	31	8 x 7 x 50	
132	718	480	5	M12 x 28	38		80	41	10 x 8 x 70	289
160	756	518	10	M16 x 36	42	k6	110	45	12 x 8 x 90	304
180	783	542	10	M20 x 42	55		110	59	16 x 10 x 90	310
225			15	M20 x 42	60		140	64	18 x 11 x 110	

* Weights are without oil.

Refer to page 86-88 for oil quantities.

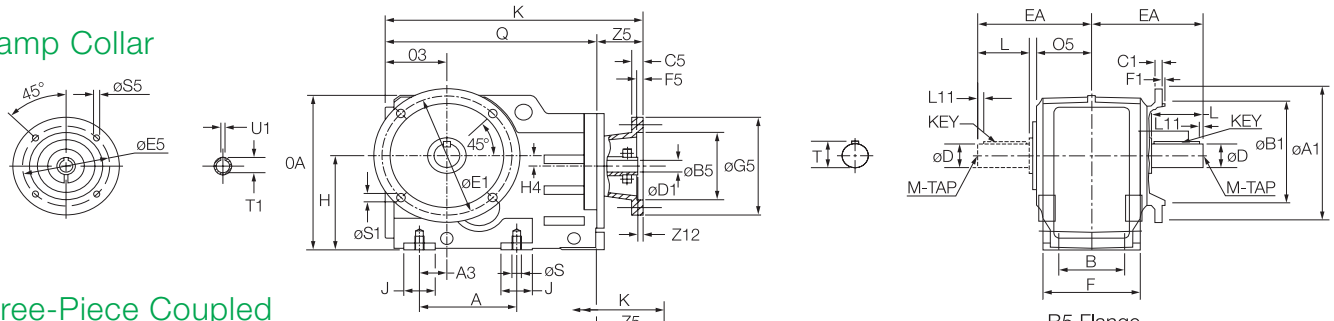
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions BF148

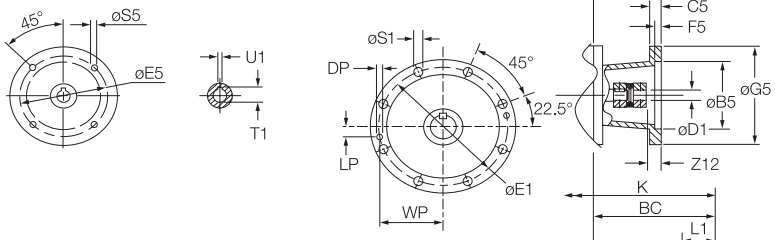
Flange mounted (B5 - B14), solid output shaft

Clamp Collar

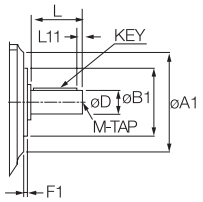


B5 Flange

Three-Piece Coupled



Free Input



B14 Flange

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
90	m6	95	170	15	25 x 14 x 140	M24 x 50	345

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
100	m6	106	210	15	28 x 16 x 180	M24 x 50	385

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
335	250	h6	300	M20 x 34	5	16	31	145

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	18	5	22

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
286	315	290	210	100	M24 x 41	90	503	618	196	164	37

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
100D	669	51	180		215	250	M12	28		31	8	17	5	7	275
112D	673	56	180		215	250	M12	28		31	8	22	5	7	276
132D	714	96	230		265	300	M12	38		41	10	21	5	22	280
160D	752	134	250	H7	300	350	M16	42	F7	45	12	21	6	20	294
180D	768	151	250		300	350	M16	48		52	14	27	6	21	295
200D	778	161	300		350	400	M16	55		59	16	28	6	33	299

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
100D	791	174	180		215	250	M12	28		31	8	17	5	30	285
112D	786	169	180		215	250	M12	28		31	8	19	5	30	287
132D	847	230	230		265	300	M12	38		41	10	19	5	45	293
160D	909	291	250	H7	300	350	M16	42	H7	45	12	30	6	66	319
180D	962	345	250		300	350	M16	48		52	14	25	6	59	336
200D	963	345	300		350	400	M16	55		59	16	25	6	60	341
225D	1047	429	350		400	450	M16	60		64	18	27	6	90	390

Free input

	3 stage								Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
100	780	162	5	M10 x 22	28		60	31	8 x 7 x 50	280
112	777	159	5	M10 x 22	28		60	31	8 x 7 x 50	281
132	861	243	5	M12 x 28	38		80	41	10 x 8 x 70	289
160	899	281	10	M16 x 36	42	k6	110	45	12 x 8 x 90	303
180	923	305	10	M20 x 42	55		110	59	16 x 10 x 90	310
225	980	362	15	M20 x 42	60		140	64	18 x 11 x 110	338

* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +19 kg.

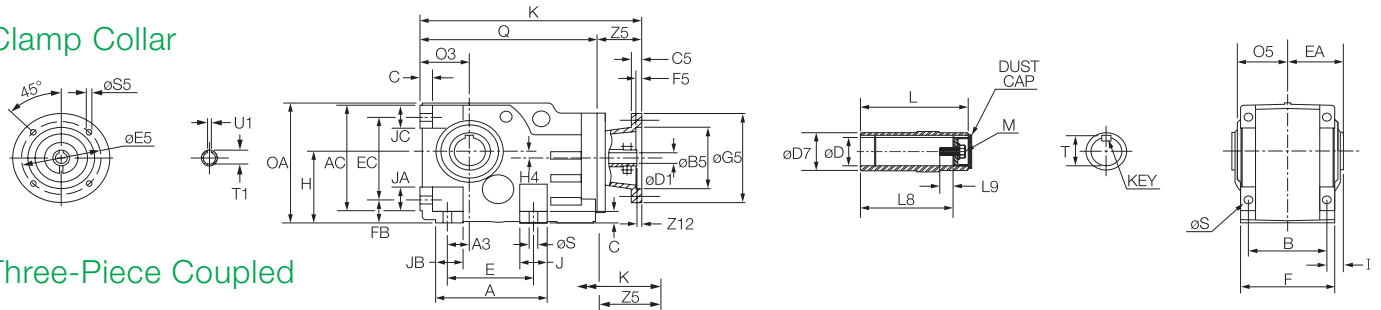
Quantis® reducers

RHB reducer dimensions

Foot mounted, hollow output shaft

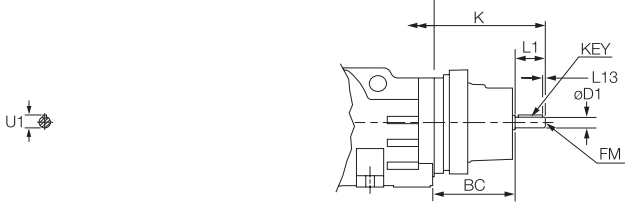
BB148

Clamp Collar



Three-Piece Coupled

Free Input



Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
80	H7	120	85	310	68	350	22 x 14 x 125	M20 x 85	175

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
90	H7	120	95	310	77	350	25 x 14 x 140	M24 x 95	175

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
280	449	340	40	315	386	360	270	95	95	40	33	106	90	90	89	503	622	200	169	37

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
100D	673	51	180		215	250	M12	28		31	8	17	5	7	275
112D	678	56	180		215	250	M12	28		31	8	22	5	7	276
132D	718	96	230		265	300	M12	38		41	10	21	5	22	280
160D	756	134	250	H7	300	350	M16	42	F7	45	12	21	6	20	294
180D	773	151	250		300	350	M16	48		52	14	27	6	21	295
200D	783	161	300		350	400	M16	55		59	16	28	6	33	299

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
100D	796	174	180		215	250	M12	28		31	8	17	5	30	285
112D	791	169	180		215	250	M12	28		31	8	19	5	30	287
132D	852	230	230		265	300	M12	38		41	10	19	5	45	293
160D	913	291	250	H7	300	350	M16	42	H7	45	12	30	6	66	319
180D	967	345	250		300	350	M16	48		52	14	25	6	59	336
200D	968	345	300		350	400	M16	55		59	16	25	6	60	341
225D	1051	429	350		400	450	M16	60		64	18	27	6	90	390

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
100	784	162	5	M10 x 22	28		60	31	8 x 7 x 50	280
112	781	159	5	M10 x 22	28		60	31	8 x 7 x 50	281
132	865	243	5	M12 x 28	38		80	41	10 x 8 x 70	289
160	903	281	10	M16 x 36	42	k6	110	45	12 x 8 x 90	303
180	927	305	10	M20 x 42	55		110	59	16 x 10 x 90	310
225	984	362	15	M20 x 42	60		140	64	18 x 11 x 110	338

* Weights are without oil.

Refer to page 86-88 for oil quantities.

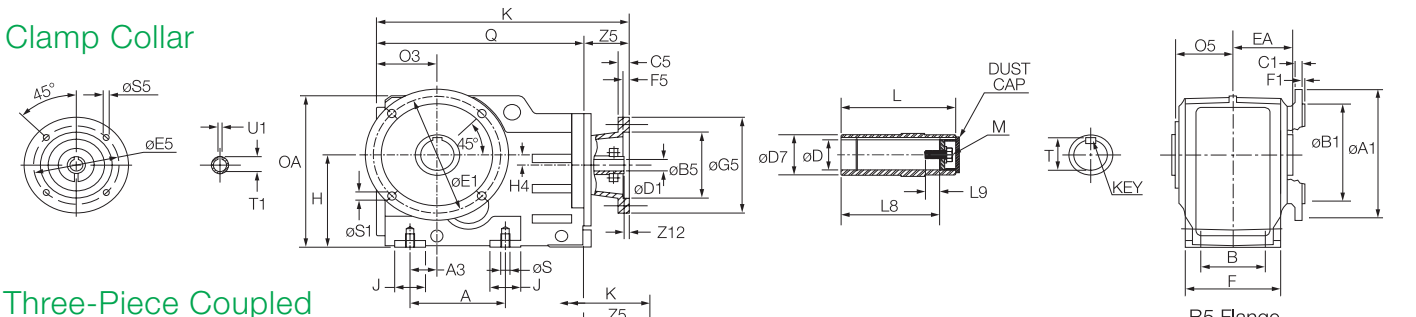
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions

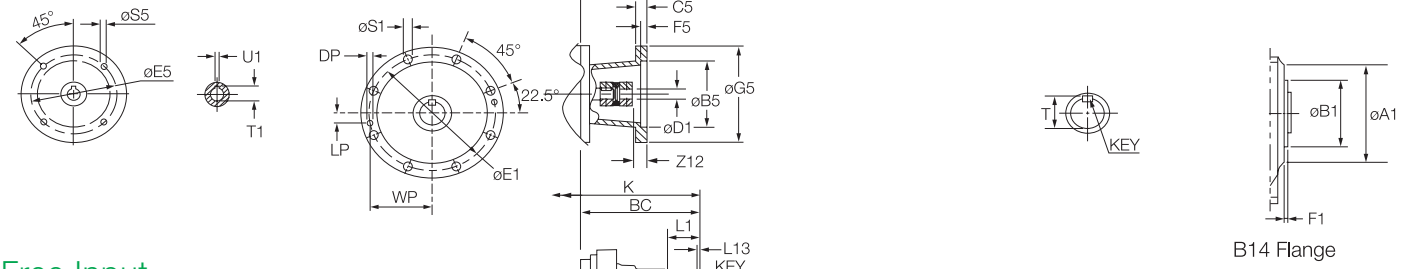
Flange mounted (B5 - B14), hollow output shaft BF148

Clamp Collar



B5 Flange

Three-Piece Coupled



B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
80	H7	120	85	310	68	350	22 x 14 x 125	M20 x 85	164

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
90	H7	120	95	310	77	350	25 x 14 x 140	M24 x 95	164

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
335	250	h6	300	M20 x 34	5	16	31	145

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	18	5	22

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
286	315	290	210	100	M24 x 41	90	503	618	196	169	37

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
100D	669	51	180	H7	215	250	M12	28	F7	31	8	17	5	7	275
112D	673	56	180		215	250	M12	28		31	8	22	5	7	276
132D	714	96	230		265	300	M12	38		41	10	21	5	22	280
160D	752	134	250		300	350	M16	42		45	12	21	6	20	294
180D	768	151	250		300	350	M16	48		52	14	27	6	21	295
200D	778	161	300		350	400	M16	55		59	16	28	6	33	299

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
100D	791	174	180	H7	215	250	M12	28	H7	31	8	17	5	30	285
112D	786	169	180		215	250	M12	28		31	8	19	5	30	287
132D	847	230	230		265	300	M12	38		41	10	19	5	45	293
160D	909	291	250		300	350	M16	42		45	12	30	6	66	319
180D	962	345	250		300	350	M16	48		52	14	25	6	59	336
200D	963	345	300		350	400	M16	55		59	16	25	6	60	341
225D	1047	429	350		400	450	M16	60		64	18	27	6	90	390

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
100	780	162	5	M10 x 22	28	k6	60	31	8 x 7 x 50	280
112	777	159	5	M10 x 22	28		60	31	8 x 7 x 50	281
132	861	243	5	M12 x 28	38		80	41	10 x 8 x 70	289
160	899	281	10	M16 x 36	42		110	45	12 x 8 x 90	303
180	923	305	10	M20 x 42	55		110	59	16 x 10 x 90	310
225	980	362	15	M20 x 42	60		140	64	18 x 11 x 110	338

* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +19 kg.

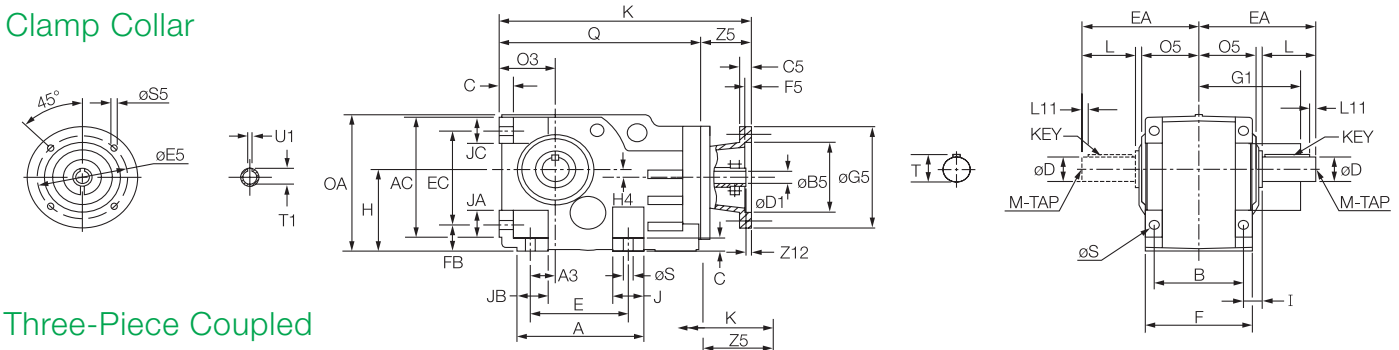
Quantis® reducers

RHB reducer dimensions

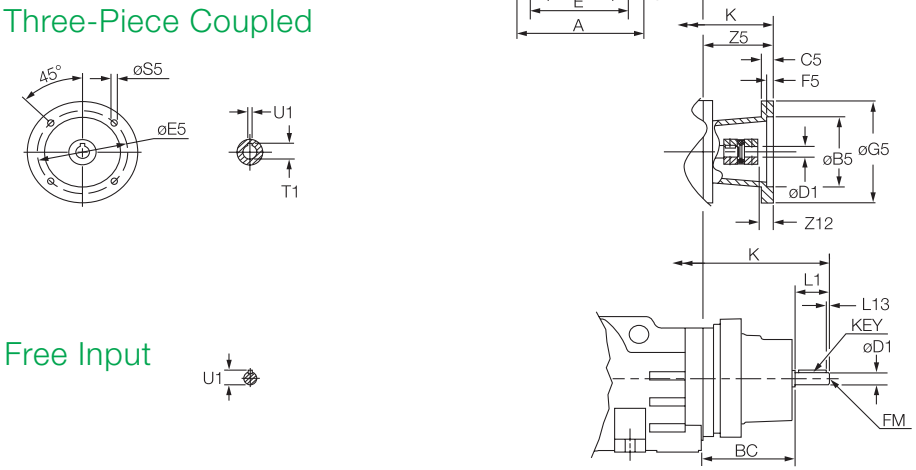
BB168

Foot mounted, solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
110	m6	116	210	15	28 x 16 x 180	M24 x 50	415

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
120	m6	127	210	15	32 x 18 x 180	M24 x 50	415

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
350	530	400	40	375	460	420	330	115	110	45	39	110	110	110	110	600	723	225	199	50

IEC motor adapter-clamp collar

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
132D	811	88	230	H7	265	300	M12	38	F7	41	10	21	5	22	451
160D	850	127	250		300	350	M16	42		45	12	21	6	20	460
180D	866	143	250		300	350	M16	48		52	14	27	6	21	465
200D	876	153	300		350	400	M16	55		59	16	28	6	33	469

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
132D	945	222	230	H7	265	300	M12	38	H7	41	10	19	5	45	464
160D	1007	284	250		300	350	M16	42		45	12	30	6	66	485
180D	1060	337	250		300	350	M16	48		52	14	25	6	59	506
200D	1061	338	300		350	400	M16	55		59	16	25	6	60	512
225D	1145	422	350		400	450	M16	60		64	18	27	6	90	557
250D	1149	426	450		500	550	M16	65		69	18	27	6	75	592

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
132	958	235	5	M12 x 28	38	k6	80	41	10 x 8 x 70	460
160	997	274	10	M16 x 36	42	k6	110	45	12 x 8 x 90	469
180	1020	297	10	M20 x 42	55	k6	110	59	16 x 10 x 90	480
225	1078	355	15	M20 x 42	60	m6	140	64	18 x 11 x 110	506
250	1077	354	15	M20 X 42	65	m6	140	69	18 x 11 x 110	514

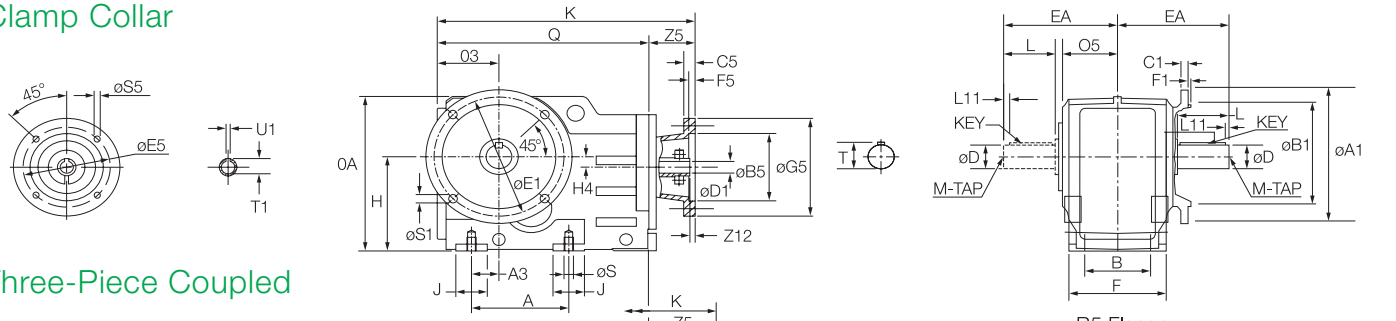
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.

Quantis® reducers

RHB reducer dimensions BF168

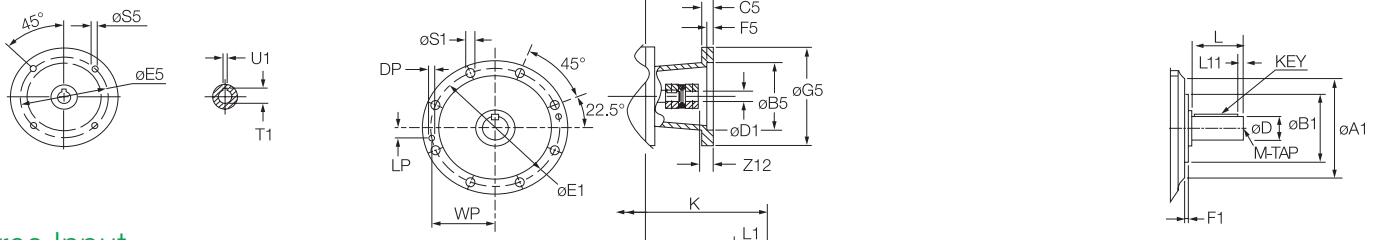
Flange mounted (B5 - B14), solid output shaft

Clamp Collar



B5 Flange

Three-Piece Coupled



B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
110	m6	116	210	15	28 x 16 x 180	M24	415

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap	EA
120	m6	127	210	15	32 x 18 x 180	M24	415

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
400	300	h6	350	M20 x 34	5	16	37	171

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
550	450	h6	500	18	5	25

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
324	375	350	240	115	M30	110	600	719	221	199	50

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
132D	807	88	230	H7	265	300	M12	38	F7	41	10	21	5	22	464
160D	845	127	250		300	350	M16	42		45	12	21	6	20	473
180D	862	143	250		300	350	M16	48		52	14	27	6	21	478
200D	872	153	300		350	400	M16	55		59	16	28	6	33	482

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
132D	940	222	230	H7	265	300	M12	38	H7	41	10	19	5	45	477
160D	1002	284	250		300	350	M16	42		45	12	30	6	66	497
180D	1056	337	250		300	350	M16	48		52	14	25	6	59	519
200D	1057	338	300		350	400	M16	55		59	16	25	6	60	525
225D	1140	422	350		400	450	M16	60		64	18	27	6	90	570
250D	1145	426	450		500	550	M16	65		69	18	27	6	75	605

Free input

	3 stage								Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
132	956	235	5	M12 x 28	38	k6	80	41	10 x 8 x 70	473
160	992	274	10	M16 x 36	42	k6	110	45	12 x 8 x 90	482
180	1016	297	10	M20 x 42	55	k6	110	59	16 x 10 x 90	493
225	1073	355	15	M20 x 42	60	m6	140	64	18 x 11 x 110	518
250	1073	354	15	M20 X 42	65	m6	140	69	18 x 11 x 110	527

* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +32 kg.

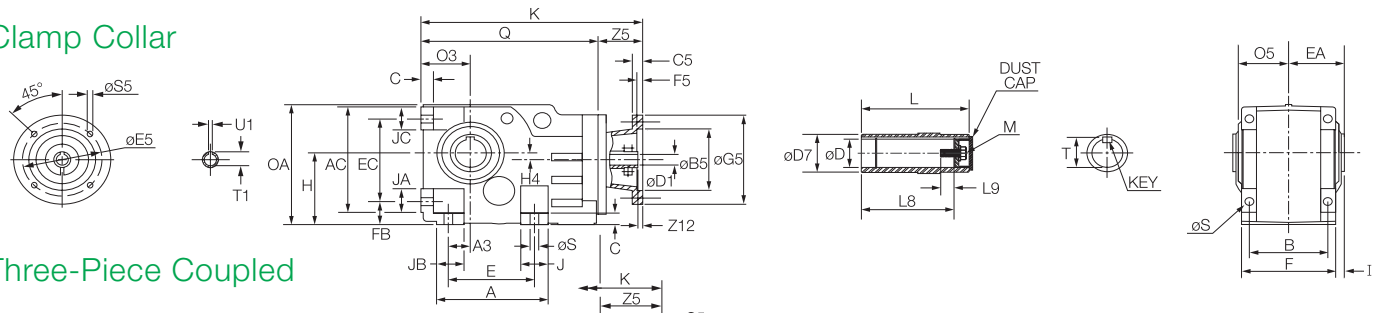
Quantis® reducers

RHB reducer dimensions

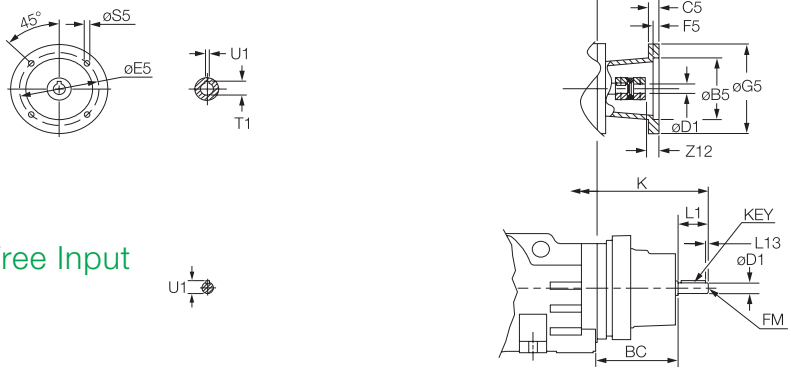
Shaft mounted, hollow output shaft

BB168

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
100	H7	150	106	366	77	410	28 x 16 x 160	M24 x 95	205

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
110	H7	150	116	366	78	410	28 x 16 x 160	M24 x 100	205

Gearcase

E	AC	F	I	H	A	EC	B	A3	FB	C	Ø S	J	JA	JB	JC	OA	Q	O3	O5	H4
350	530	400	40	375	460	420	330	115	110	45	39	110	110	110	110	600	723	225	199	50

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
132D	811	88	230	H7	265	300	M12	38	F7	41	10	21	5	22	451
160D	850	127	250		300	350	M16	42		45	12	21	6	20	460
180D	866	143	250		300	350	M16	48		52	14	27	6	21	465
200D	876	153	300		350	400	M16	55		59	16	28	6	33	469

IEC motor adapter-3-pc coupled

	3 stage														Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
132D	945	222	230	H7	265	300	M12	38	H7	41	10	19	5	45	464
160D	1007	284	250		300	350	M16	42		45	12	30	6	66	485
180D	1060	337	250		300	350	M16	48		52	14	25	6	59	506
200D	1061	338	300		350	400	M16	55		59	16	25	6	60	512
225D	1145	422	350		400	450	M16	60		64	18	27	6	90	557
250D	1149	426	450		500	550	M16	65		69	18	27	6	75	592

Free input

	3 stage									Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
132	958	235	5	M12 x 28	38	k6	80	41	10 x 8 x 70	460
160	997	274	10	M16 x 36	42	k6	110	45	12 x 8 x 90	469
180	1020	297	10	M20 x 42	55	k6	110	59	16 x 10 x 90	480
225	1078	355	15	M20 x 42	60	m6	140	64	18 x 11 x 110	506
250	1077	354	15	M20 X 42	65	m6	140	69	18 x 11 x 110	514

* Weights are without oil.

Refer to page 86-88 for oil quantities.

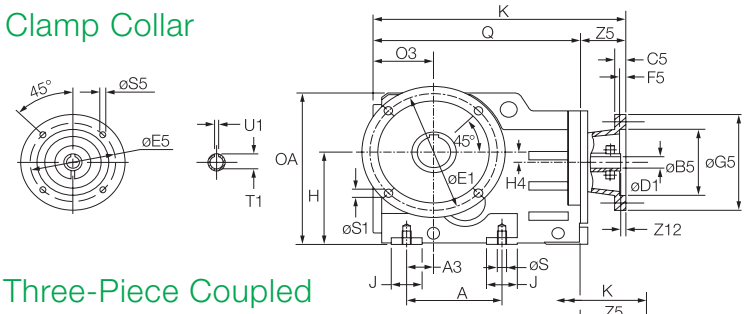
3-Piece Coupled weights are without backstop.

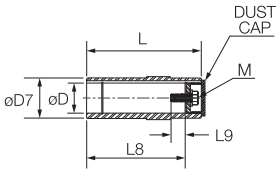
Quantis® reducers

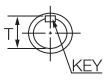
RHB reducer dimensions

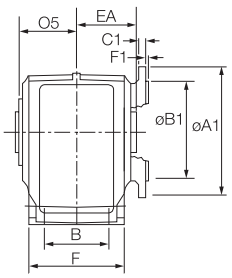
Flange mounted (B5 - B14), hollow output shaft BF168

Clamp Collar



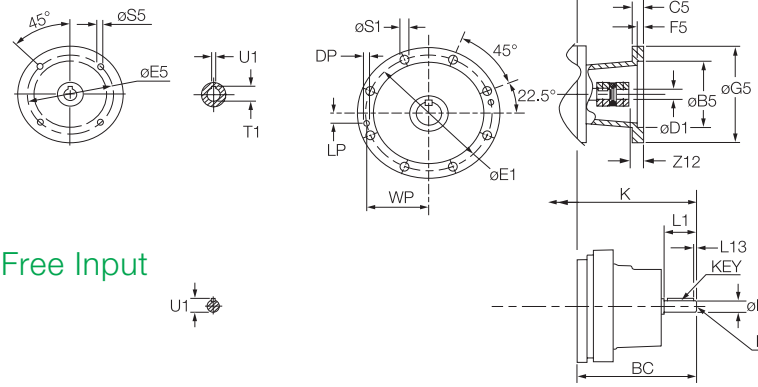


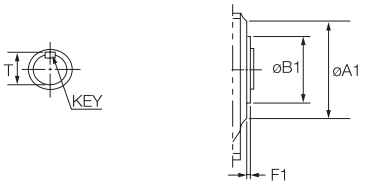




B5 Flange

Three-Piece Coupled





B14 Flange

Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
100	H7	150	106	366	77	410	28 x 16 x 160	M24 x 95	205

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap	EA
110	H7	150	116	366	78	410	28 x 16 x 160	M24 x 100	205

Output Flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
400	300	h6	350	M20 x 34	5	16	37	171

Output Flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
550	450	h6	500	18	5	25

Gearcase

F	H	A	B	A3	Ø S	J	OA	Q	O3	O5	H4
324	375	350	240	115	M30	110	600	719	221	199	50

IEC motor adapter-clamp collar

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
132D	807	88	230	H7	265	300	M12	38	F7	41	10	21	5	22	464
160D	845	127	250		300	350	M16	42		45	12	21	6	20	473
180D	862	143	250		300	350	M16	48		52	14	27	6	21	478
200D	872	153	300		350	400	M16	55		59	16	28	6	33	482

IEC motor adapter-3-pc coupled

	3 stage													Weight *
Frame	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	[kg]
132D	940	222	230	H7	265	300	M12	38	H7	41	10	19	5	45	477
160D	1002	284	250		300	350	M16	42		45	12	30	6	66	497
180D	1056	337	250		300	350	M16	48		52	14	25	6	59	519
200D	1057	338	300		350	400	M16	55		59	16	25	6	60	525
225D	1140	422	350		400	450	M16	60		64	18	27	6	90	570
250D	1145	426	450		500	550	M16	65		69	18	27	6	75	605

Free input

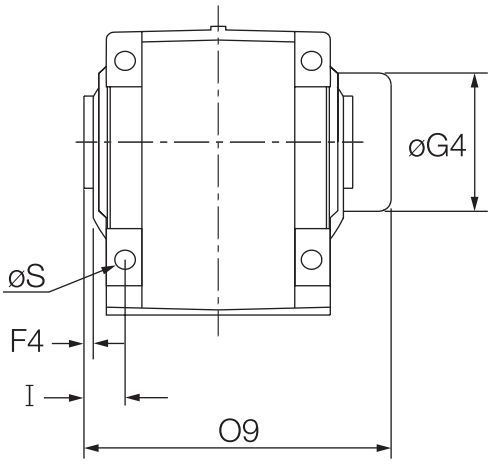
	3 stage								Weight *
Frame	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	[kg]
132	953	235	5	M12 x 28	38	k6	80	41	10 x 8 x 70	473
160	992	274	10	M16 x 36	42	k6	110	45	12 x 8 x 90	482
180	1016	297	10	M20 x 42	55	k6	110	59	16 x 10 x 90	493
225	1073	355	15	M20 x 42	60	m6	140	64	18 x 11 x 110	518
250	1073	354	15	M20 X 42	65	m6	140	69	18 x 11 x 110	527

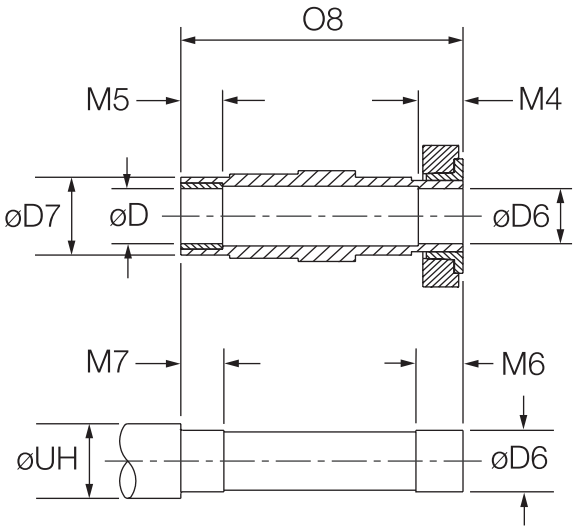
* Weights are without oil.
Refer to page 86-88 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +32 kg.

Quantis® reducers

RHB dimensions

Shrink Disc – foot mounted





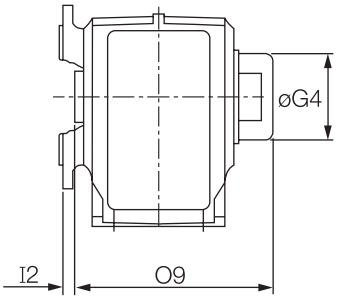
Type	F4	I	O9	Ø G4	O8	ØD	Tol.	ØD6	Tol.	ØD7	Tol.	ØUH	Tol.	M4	M5	M6	M7	ØS
B_38	6	10	154	77	146	30		30		30		45		30	22	20	27	11
B_48	7	15	184	93	177	40		40		40		55		40	25	20	30	11
B_68	7,5	20	216	112	209	50		50		50		65		50	27	20	32	13,5
B_88	8,5	22,5	249	132	241	60	H7	60	h6	60	H7	80	h6	60	29	30	34	18
B_108	9	30	288	144	280	70		70		70		95		70	30	40	35	24
B_128	9	30	357	180	345	80		80		80		110		80	40	50	45	26
B_148	11	40	418	210	404	95		95		95		120		95	49	60	54	33
B_168	11	40	496	237	483	105		105		105		150		105	54	70	59	39

Quantis® reducers

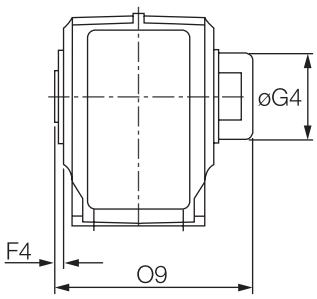
RHB dimensions

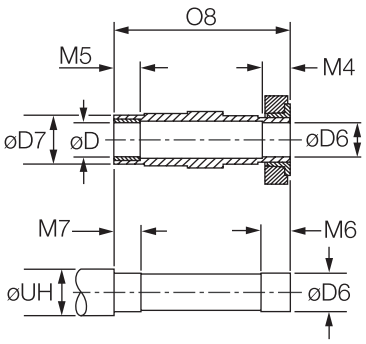
Shrink Disc – flange mounted

B5 Output Flange



B14 Output Flange



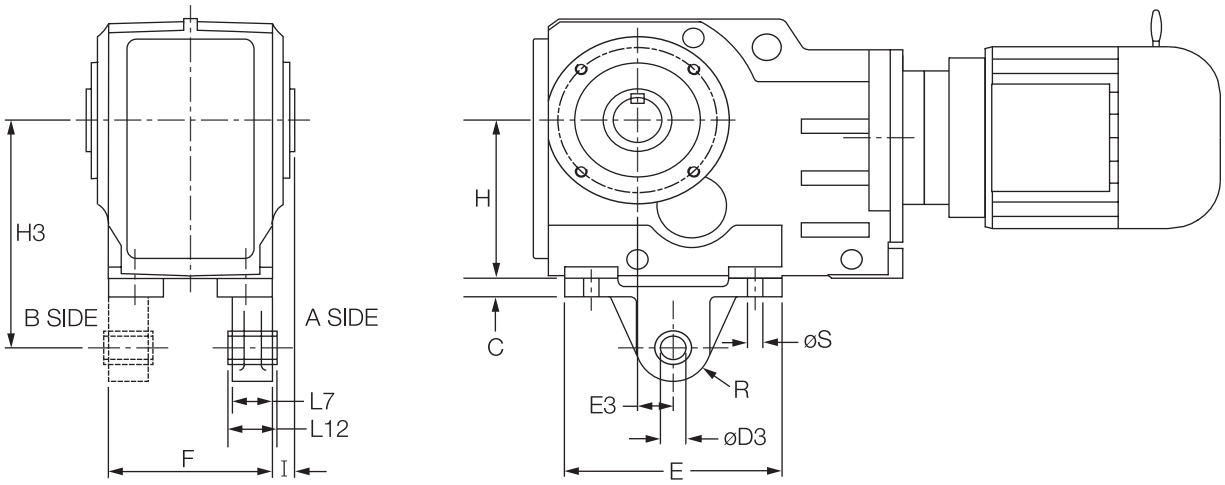


Type	F4	I2	O9	Ø G4	O8	ØD	Tol.	ØD6	Tol.	ØD7	Tol.	ØUH	Tol.	M4	M5	M6	M7
B_38	6	24	154	77	146	30		30		45		30		22	20	27	25
B_48	7	25	184	93	177	40		40		55		40		25	20	30	25
B_68	7,5	23	216	112	209	50		50		65		50		27	20	32	25
B_88	8,5	37	249	132	241	60	H7	60	h6	80	H7	60	h6	29	30	34	35
B_108	9	36	288	144	280	70		70		95		70		30	40	35	45
B_128	9	42	357	180	345	80		80		110		80		40	50	45	55
B_148	11	41	418	210	404	95		95		120		95		49	60	54	65
B_168	11	51	496	237	483	105		105		150		105		54	70	59	75

Quantis® reducers

RHB dimensions

Torque Arm bracket (K) - BF style housing only



Type	Part number	F	C	Ø S	I	E	R	E3	L7	L12	Ø D3	H	H3
BF38	085788	100	13	11	10	147	22	23,5	24	28	12	100	140
BF48	085821	110	13	11	20	170	34	30	36	42	18	112	160
BF68	085839	140	15	13,5	20	182	34	34	36	42	18	140	200
BF88	085857	170	20	17,5	20	204	40	37	50	56	25	180	250
BF108	089875	210	25	17,5	15	275	40	47,5	50	56	25	212	300
BF128	085893	255	30	22	22,5	328	40	41	50	56	25	265	350
BF148	085917	286	36	26	32	380	65	45	80	88	40	315	450
BF168	085944	324	40	33	43	460	65	60	80	88	40	375	550

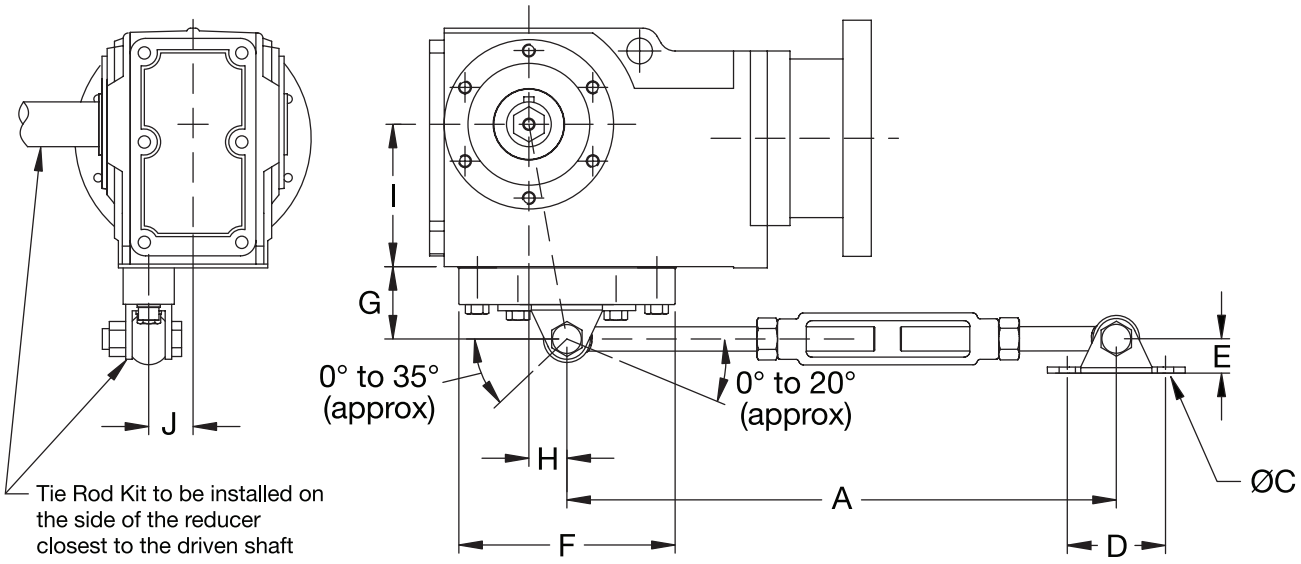
Quantis® reducers

RHB dimensions

Tie rod kit (KR) – BF style housing only

Tie Rod Kits are available for restraining hollow shaft reducers with the flanged housing. Each kit includes the mounting block, tie rods, turnbuckle, fulcrum, and the mounting hardware.

Note: Tie rods should be used in tension, not compression, to achieve the rated performance.



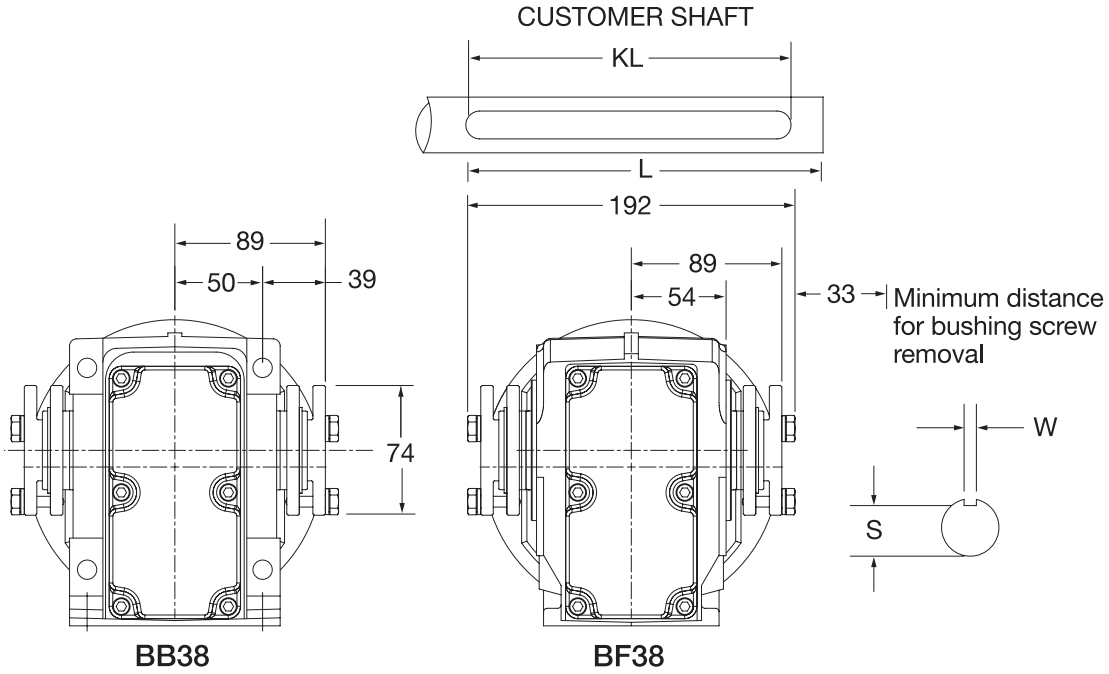
Size	Part number	A (min-max)	ØC	D	E	F	G	H	I	J
BF38	094371	686-838	12	76	27	146	59	24	100	30
BF48	094201	686-838	12	76	27	168	56	30	112	35
BF68	094202	686-838	12	76	27	197	52	34	140	44
BF88	094372	737-889	13	102	45	222	73	37	180	58
BF108	094373	749-902	18	121	51	292	80	48	212	78
BF128	094374	762-914	21	179	80	324	130	41	265	98
BF148	094375	762-914	21	179	80	378	118	45	315	105
BF168	094376	775-934	29	215	86	457	162	60	375	120

Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) B_38

Twin tapered bushing



Part number	RHB size 38	Bore	Weight (kg)	L (4)	Part number	RHB size 38	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
093105	Standard (1)	1,3750"	0,9	172	---	---	---	---	---	0,3125"	1,201"	178
093106	Standard	1,3125"	0,9		---	---	---	---	---	0,3125"	1,137"	
093107	Standard	1,2500"	1,0		---	---	---	---	---	0,250"	1,112"	
093108	Standard	1,1875"	0,9		093115	Short Shaft (2)	1,1875"	0,9	132	0,250"	1,049"	
093109	Standard	1,1250"	0,9		093116	Short Shaft	1,1250"	0,9		0,250"	0,986"	
093110	Standard	1,0000"	0,9		093117	Short Shaft	1,0000"	0,9		0,250"	0,859"	
093111	Standard	35 MM	0,9		---	---	---	---	---	10 mm	30 mm	
093112	Standard	32 MM	0,9		---	---	---	---	---	10 mm	27 mm	
093113	Standard	30 MM	0,9		093118	Short Shaft	30 MM	0,9	132	8 mm	26 mm	
093114	Standard	25 MM	0,9		093119	Short Shaft	25 MM	0,9		8 mm	21 mm	

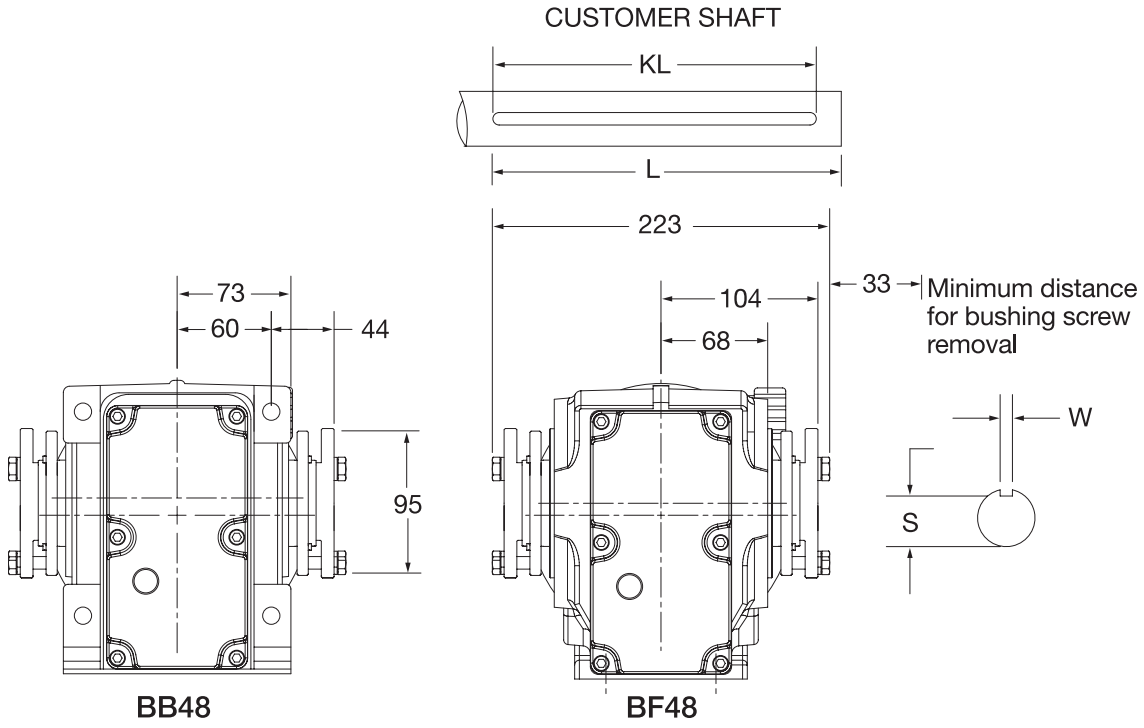
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) B_48

Twin tapered bushing



Part number	RHB size 48	Bore	Weight (kg)	L (4)	Part number	RHB size 48	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
092593	Standard (1)	1,5000"	1,5		---	---	---	---	---	0,375"	1,289"	
092594	Standard	1,4375"	1,6		092607	Short Shaft (2)	1,4375"	1,7		0,375"	1,225"	
092595	Standard	1,3750"	1,6		092608	Short Shaft	1,3750"	1,9		0,3125"	1,201"	
092596	Standard	1,3125"	1,7		092609	Short Shaft	1,3125"	1,8		0,3125"	1,137"	
092597	Standard	1,2500"	1,7		092610	Short Shaft	1,2500"	1,9		0,250"	1,112"	
092598	Standard	1,1875"	1,7		092611	Short Shaft	1,1875"	1,9	145	0,250"	1,049"	
092599	Standard	1,1250"	1,8		092612	Short Shaft	1,1250"	2,0		0,250"	0,986"	
092600	Standard	1,0625"	1,8	200	092613	Short Shaft	1,0625"	2,0		0,250"	0,923"	208
092601	Standard	1,0000"	1,9		092614	Short Shaft	1,0000"	2,1		0,250"	0,859"	
092602	Standard	40 MM	1,5		---	---	---	---	---	12 mm	35 mm	
092603	Standard	38 MM	1,5		---	---	---	---	---	12 mm	33 mm	
092604	Standard	35 MM	1,6		092615	Short Shaft	35 MM	1,8		10 mm	30 mm	
092605	Standard	32 MM	1,7		092616	Short Shaft	32 MM	1,9	145	10 mm	27 mm	
092606	Standard	30 MM	1,7		092617	Short Shaft	30 MM	2,0		10 mm	25 mm	

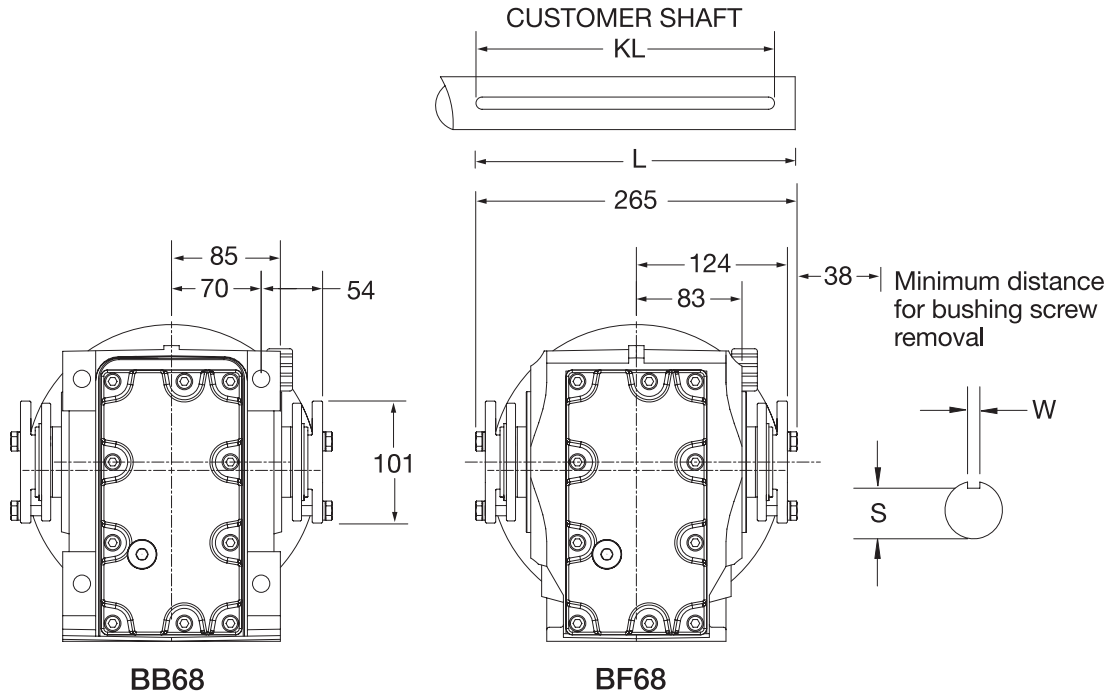
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) B_68

Twin tapered bushing



Part number	RHB size 68	Bore	Weight (kg)	L (4)	Part number	RHB size 68	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
093121	Standard (1)	1,8750"	2,3		---	---	---	---	---	0,500"	1,591"	
093122	Standard	1,7500"	2,3		---	---	---	---	---	0,375"	1,542"	
093123	Standard	1,6875"	2,3		---	---	---	---	---	0,375"	1,479"	
093124	Standard	1,6250"	2,3		---	---	---	---	---	0,375"	1,416"	
093125	Standard	1,5000"	2,3		093132	Short Shaft (2)	1,5000"	2,3		0,375"	1,289"	
093126	Standard	1,4375"	2,3		093133	Short Shaft	1,4375"	2,3		0,375"	1,225"	
093127	Standard	1,3750"	2,3		093134	Short Shaft	1,3750"	2,3		0,3125"	1,201"	
093128	Standard	1,3125"	2,3		093135	Short Shaft	1,3125"	2,3	185	0,3125"	1,137"	
093129	Standard	1,2500"	2,3		093136	Short Shaft	1,2500"	2,3		0,250"	1,112"	
093130	Standard	1,1875"	2,3	239	093137	Short Shaft	1,1875"	2,3		0,250"	1,049"	248
093131	Standard	1,1250"	2,3		093138	Short Shaft	1,1250"	2,3		0,250"	0,986"	
093139	Standard	45 MM	2,3		---	---	---	---	---	14 mm	39,5 mm	
093140	Standard	42 MM	2,3		---	---	---	---	---	12 mm	37 mm	
093141	Standard	40 MM	2,3		093146	Short Shaft	40 MM	2,3		12 mm	35 mm	
093142	Standard	38 MM	2,3		093147	Short Shaft	38 MM	2,3		12 mm	33 mm	
093143	Standard	35 MM	2,3		093148	Short Shaft	35 MM	2,3	185	10 mm	30 mm	
093144	Standard	32 MM	2,3		093149	Short Shaft	32 MM	2,3		10 mm	27 mm	
093145	Standard	30 MM	2,3		093150	Short Shaft	30 MM	2,3		8 mm	26 mm	

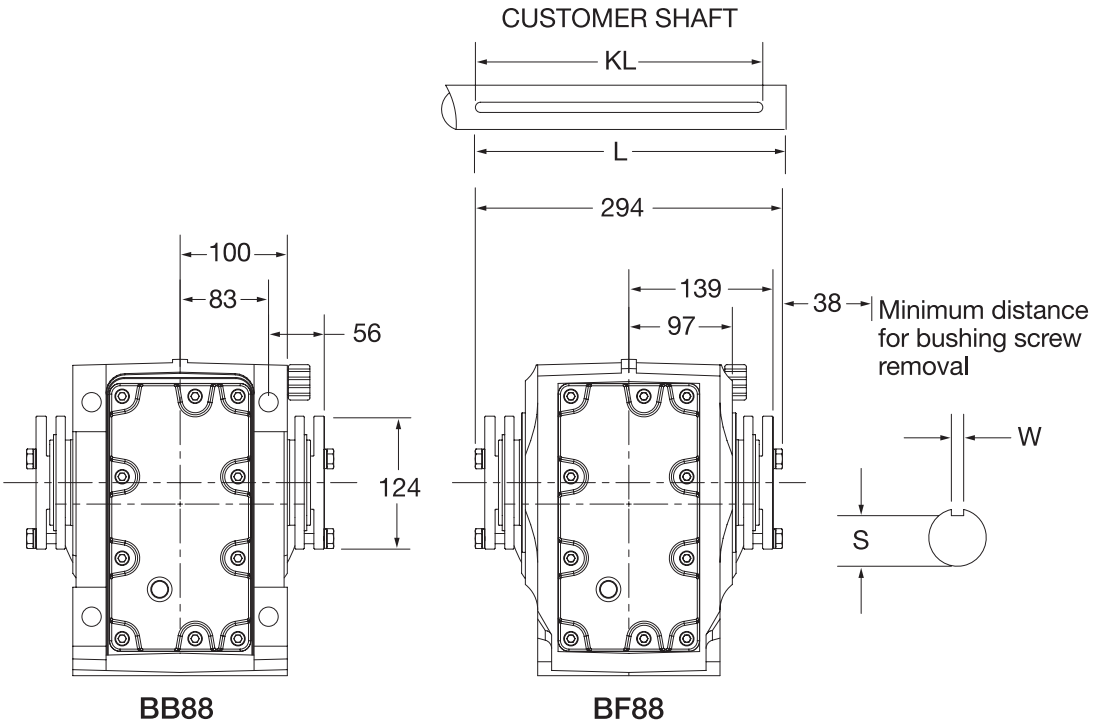
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) B_88

Twin tapered bushing



Part number	RHB size 88	Bore	Weight (kg)	L (4)	Part number	RHB size 88	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
092619	Standard (1)	2,3750"	2,8		---	---	---	---	---	0,625"	2,021"	
092620	Standard	2,2500"	2,8		---	---	---	---	---	0,500"	1,893"	
092621	Standard	2,1875"	3,0		092631	Short Shaft (2)	2,1875"	3,2		0,500"	1,909"	
092622	Standard	2,1250"	3,2		092632	Short Shaft	2,1250"	3,4		0,500"	1,845"	
092623	Standard	2,0000"	3,4		092633	Short Shaft	2,0000"	3,6		0,500"	1,718"	
092624	Standard	1,9375"	3,5		092634	Short Shaft	1,9375"	3,8		0,500"	1,655"	
092625	Standard	1,8750"	3,6		092635	Short Shaft	1,8750"	3,9		0,500"	1,591"	
092626	Standard	1,7500"	3,6		092636	Short Shaft	1,7500"	4,0	192	0,375"	1,542"	
092627	Standard	1,6875"	3,7		092637	Short Shaft	1,6875"	4,2		0,375"	1,479"	
092628	Standard	1,6250"	3,8		092638	Short Shaft	1,6250"	4,4		0,375"	1,416"	
092629	Standard	1,5000"	4,0	267	092639	Short Shaft	1,5000"	4,5		0,375"	1,289"	286
092630	Standard	1,4375"	4,0		092640	Short Shaft	1,4375"	4,5		0,375"	1,225"	
092641	Standard	60 MM	2,8		---	---	---	---	---	18 mm	53 mm	
092642	Standard	55 MM	3,0		092649	Short Shaft	55 MM	3,2		16 mm	49 mm	
092643	Standard	50 MM	3,4		092650	Short Shaft	50 MM	3,7		14 mm	44,5 mm	
092644	Standard	45 MM	3,7		092651	Short Shaft	45 MM	4,1		14 mm	39,5 mm	
092645	Standard	42 MM	3,8		092652	Short Shaft	42 MM	4,3	192	12 mm	37 mm	
092646	Standard	40 MM	3,9		092653	Short Shaft	40 MM	4,4		12 mm	35 mm	
092647	Standard	38 MM	4,0		092654	Short Shaft	38 MM	4,6		12 mm	33 mm	
092648	Standard	35 MM	4,1		092655	Short Shaft	35 MM	4,8		10 mm	30 mm	

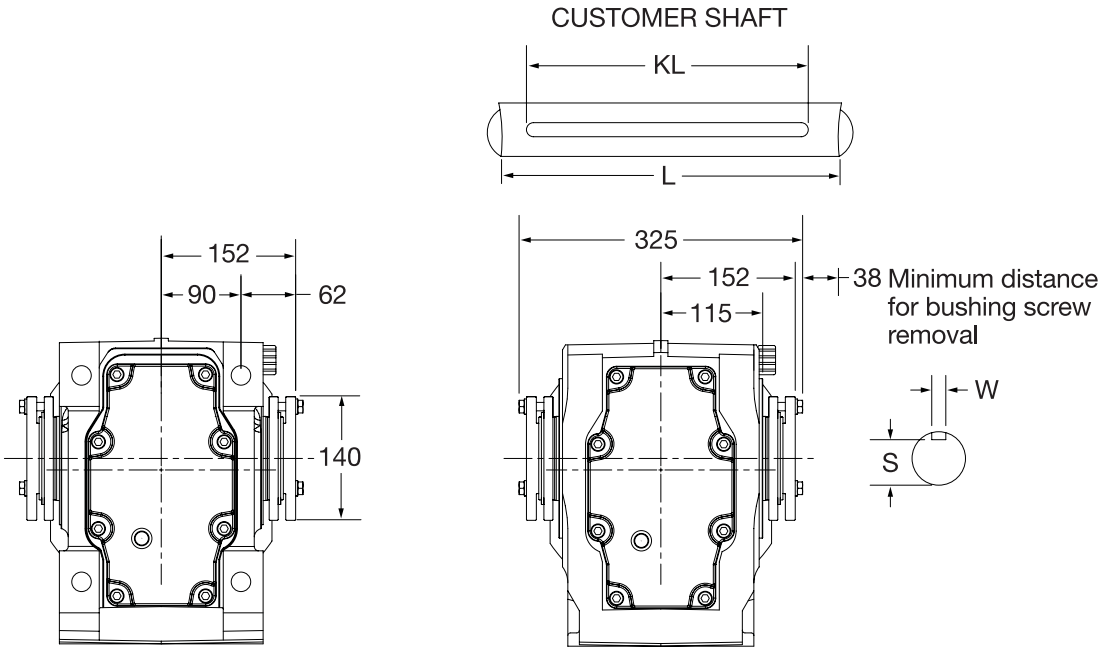
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) B_108

Twin tapered bushing



Part number	RHB size 108	Bore	Weight (kg)	L (4)	Part number	RHB size 108	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
092871	Standard (1)	2,6875"	4,3		---	---	---	---	---	0,625"	2,338"	
092872	Standard	2,5000"	4,8		---	---	---	---	---	0,625"	2,148"	
092873	Standard	2,4375"	4,9		092883	Short Shaft (2)	2,4375"	5,1		0,625"	2,084"	
092874	Standard	2,3750"	5,1		092884	Short Shaft	2,3750"	5,4		0,625"	2,021"	
092875	Standard	2,2500"	5,2		092885	Short Shaft	2,2500"	5,6		0,500"	1,893"	
092876	Standard	2,1875"	5,2		092886	Short Shaft	2,1875"	5,8		0,500"	1,909"	
092877	Standard	2,1250"	5,5		092887	Short Shaft	2,1250"	6		0,500"	1,845"	
092878	Standard	2,0000"	5,7		092888	Short Shaft	2,0000"	6,3	226	0,500"	1,718"	
092879	Standard	1,9375"	5,9		092889	Short Shaft	1,9375"	6,5		0,500"	1,655"	
092880	Standard	1,8750"	6,0	297	092890	Short Shaft	1,8750"	6,6		0,500"	1,591"	321
092881	Standard	1,7500"	6,0		092891	Short Shaft	1,7500"	6,8		0,375"	1,542"	
092882	Standard	1,6875"	6,1		092892	Short Shaft	1,6875"	6,9		0,375"	1,479"	
092893	Standard	70 MM	4,1		---	---	---	---	---	20 mm	62,5 mm	
092894	Standard	65 MM	4,5		092900	Short Shaft	65 MM	4,7		18 mm	58 mm	
092895	Standard	60 MM	5,0		092901	Short Shaft	60 MM	5,4		18 mm	53 mm	
092896	Standard	55 MM	5,4		092902	Short Shaft	55 MM	5,9		16 mm	49 mm	
092897	Standard	50 MM	5,7		092903	Short Shaft	50 MM	6,4	226	14 mm	44,5 mm	
092898	Standard	45 MM	5,7		092904	Short Shaft	45 MM	6,8		14 mm	39,5 mm	
092899	Standard	42 MM	6,2		092905	Short Shaft	42 MM	7,1		12 mm	37 mm	

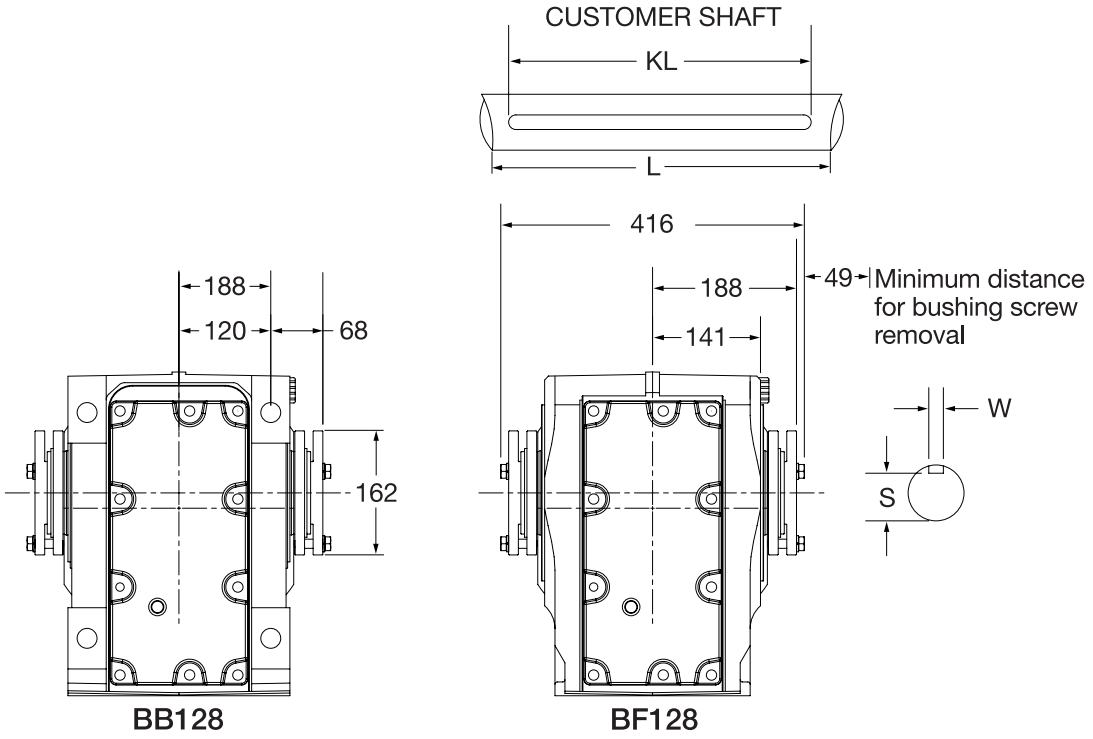
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100" undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) B_128

Twin tapered bushing



Part number	RHB size 128	Bore	Weight (kg)	L (4)	Part number	RHB size 128	Bore	Weight (kg)	L (4)	Shaft keyseat W	Shaft keyseat S	KL (3)
092834	Standard (1)	3,1875"	6,2		---	---	---	---	---	0,750"	2,768"	
092835	Standard	3,0000"	6,8		---	---	---	---	---	0,750"	2,577"	
092836	Standard	2,9375"	7,1		092847	Short Shaft (2)	2,9375"	7,4		0,750"	2,514"	
092837	Standard	2,8750"	7,3		092848	Short Shaft	2,8750"	7,7		0,750"	2,450"	
092838	Standard	2,6875"	7,6		092849	Short Shaft	2,6875"	8,2		0,625"	2,338"	
092839	Standard	2,5000"	8,1		092850	Short Shaft	2,5000"	8,9		0,625"	2,148"	
092840	Standard	2,4375"	8,2		092851	Short Shaft	2,4375"	9,1		0,625"	2,084"	
092841	Standard	2,3750"	8,3		092852	Short Shaft	2,3750"	9,3	289	0,625"	2,021"	
092842	Standard	2,2500"	8,6		092853	Short Shaft	2,2500"	9,7		0,500"	1,893"	
092843	Standard	2,1875"	8,7		092854	Short Shaft	2,1875"	9,9		0,500"	1,909"	
092844	Standard	2,1250"	8,8	378	092855	Short Shaft	2,1250"	10,1		0,500"	1,845"	397
092845	Standard	2,0000"	9,0		092856	Short Shaft	2,0000"	10,4		0,500"	1,718"	
092846	Standard	1,9375"	9,1		092857	Short Shaft	1,9375"	10,6		0,500"	1,655"	
092858	Standard	80 MM	6,4		---	---	---	---		22 mm	71 mm	
092859	Standard	75 MM	6,9		092865	Short Shaft	75 MM	7,2		20 mm	67,5 mm	
092860	Standard	70 MM	7,4		092866	Short Shaft	70 MM	7,9		20 mm	62,5 mm	
092861	Standard	65 MM	7,9		092867	Short Shaft	65 MM	8,6	289	18 mm	58 mm	
092862	Standard	60 MM	8,4		092868	Short Shaft	60 MM	9,8		18 mm	53 mm	
092863	Standard	55 MM	8,8		092869	Short Shaft	55 MM	10,0		16 mm	49 mm	
092864	Standard	50 MM	9,0		092870	Short Shaft	50 MM	10,5		14 mm	44,5 mm	

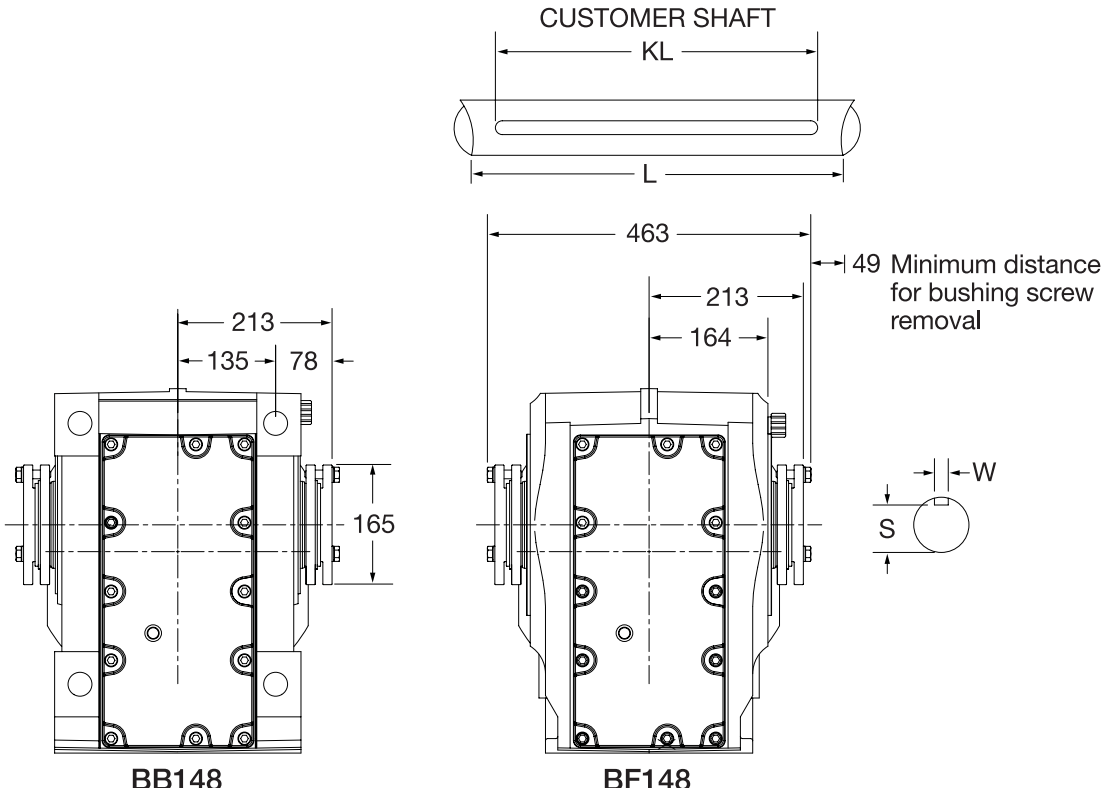
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) B_148

Twin tapered bushing



Part number	RHB size 148	Bore	Weight (kg)	L (4)	Part number	RHB size 148	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
093033	Standard (1)	3,4375"	7,3		093044	Short Shaft (2)	3,4375"	7,5		0,875"	2,943"	
093034	Standard	3,1875"	8,0		093045	Short Shaft	3,1875"	8,6		0,750"	2,768"'	
093035	Standard	3,0000"	8,7		093046	Short Shaft	3,0000"	9,5		0,750"	2,577"	
093036	Standard	2,9375"	8,9		093047	Short Shaft	2,9375"	9,8		0,750"	2,514"	
093037	Standard	2,8750"	9,1		093048	Short Shaft	2,8750"	10,1		0,750"	2,450"	
093038	Standard	2,6875"	9,5		093049	Short Shaft	2,6875"	10,8		0,625"	2,338"	
093039	Standard	2,5000"	10,0		093050	Short Shaft	2,5000"	11,5		0,625"	2,148"	
093040	Standard	2,4375"	10,1		093051	Short Shaft	2,4375"	11,7		0,625"	2,084"	
093041	Standard	2,3750"	10,3		093052	Short Shaft	2,3750"	11,9		0,625"	2,021"	
093042	Standard	2,2500"	10,5	426	093053	Short Shaft	2,2500"	12,1		0,500"	1,893"	450
093043	Standard	2,1875"	10,6		093054	Short Shaft	2,1875"	12,5	335	0,500"	1,909"	
093055	Standard	90 MM	6,8		---	---	---	---	---	25 mm	81 mm	
093056	Standard	85 MM	7,4		093062	Short Shaft	85 MM	7,8		22 mm	76 mm	
093057	Standard	80 MM	8,2		093063	Short Shaft	80 MM	8,8		22 mm	71 mm	
093058	Standard	75 MM	8,8		093064	Short Shaft	75 MM	9,6	335	20 mm	71 mm	
093059	Standard	70 MM	9,3		093065	Short Shaft	70 MM	10,4		20 mm	62,5 mm	
093060	Standard	65 MM	9,7		093066	Short Shaft	65 MM	10,9		18 mm	58 mm	
093061	Standard	60 MM	10,3		093067	Short Shaft	60 MM	11,9		18 mm	53 mm	

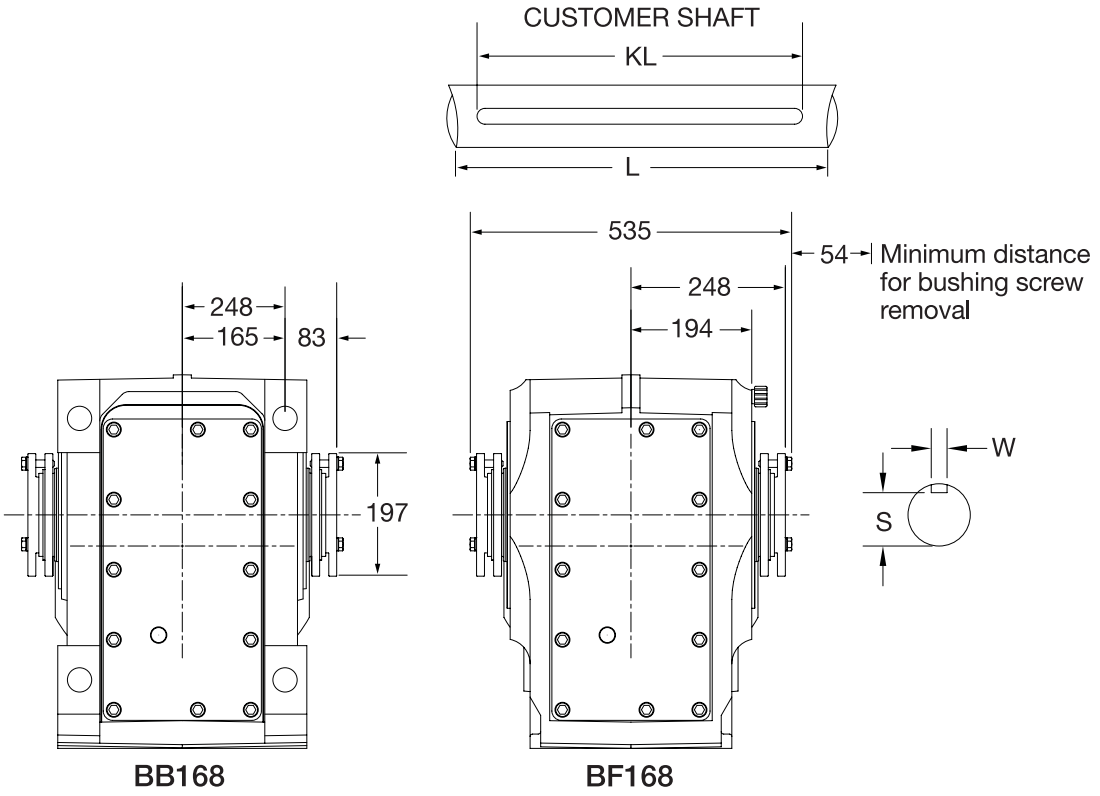
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) B_168

Twin tapered bushing



Part number	RHB size 168	Bore	Weight (kg)	L (4)	Part number	RHB size 168	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
093068	Standard (1)	4,4375"	9,3		---	---	---	---	---	1,000"	3,880"	
093069	Standard	4,1875"	10,7		---	---	---	---	---	1,000"	3,627"	
093070	Standard	3,9375"	11,9		093079	Short Shaft (2)	3,9375"	12,1		1,000"	3,373"	
093071	Standard	3,4375"	14,0		093080	Short Shaft	3,4375"	15,5		0,875"	2,943"	
093072	Standard	3,1875"	14,8		093081	Short Shaft	3,1875"	16,6		0,750"	2,768"	
093073	Standard	3,0000"	15,4		093082	Short Shaft	3,0000"	17,6		0,750"	2,577"	
093074	Standard	2,9375"	15,7		093083	Short Shaft	2,9375"	18	407	0,750"	2,514"	
093075	Standard	2,8750"	15,9		093084	Short Shaft	2,8750"	18,2		0,750"	2,450"	
093076	Standard	2,6875"	16,2		093085	Short Shaft	2,6875"	18,9		0,625"	2,338"	
093077	Standard	2,5000"	16,9		093086	Short Shaft	2,5000"	19,8		0,625:	2,148"	
093078	Standard	2,4375"	17,0	500	093087	Short Shaft	2,4375"	20		0,625"	2,084"	523
093088	Standard	110 MM	9,4		---	---	---	---	---	28 mm	100 mm	
093089	Standard	100 MM	11,7		093097	Short Shaft	100 MM	12,3		28 mm	90 mm	
093090	Standard	95 MM	12,6		093098	Short Shaft	95 MM	13,5		25 mm	86 mm	
093091	Standard	90 MM	13,5		093099	Short Shaft	90 MM	14,7		25 mm	81 mm	
093092	Standard	85 MM	14,1		093100	Short Shaft	85 MM	15,7	407	22 mm	76 mm	
093093	Standard	80 MM	14,8		093101	Short Shaft	80 MM	16,8		22 mm	71 mm	
093094		75 MM	15,4		093102	Short Shaft	75 MM	17,7		20 mm	71 mm	
093095		70 MM	16,0		093103	Short Shaft	70 MM	18,6		20 mm	62,5 mm	
093096	Standard	65 MM	16,6		093104	Short Shaft	65 MM	19,4		18 mm	58 mm	

(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

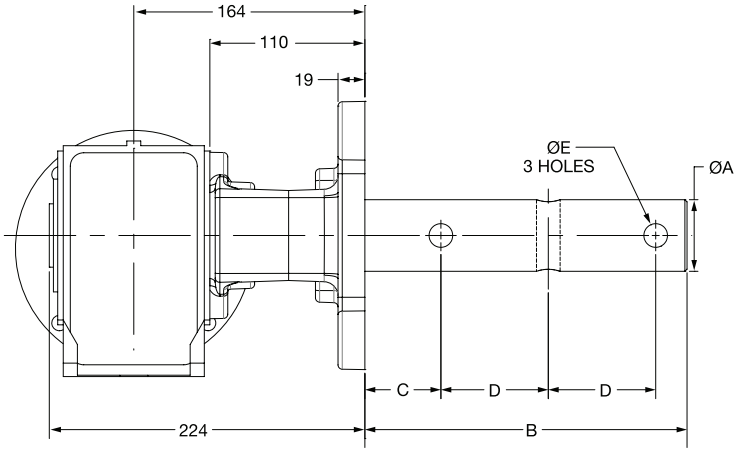
Quantis® reducers

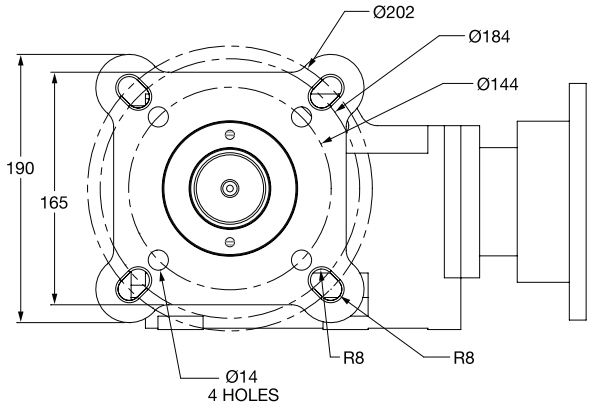
Selection/dimensions

Right Angle Helical Bevel (RHB) BF_38

RHB 38 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.





CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
38 mm Standard	153 - 229	091583	35	229	54	76	13,5	3,6
51 mm Standard	229 - 305	095303	51	229	54	76	16,8	5,0
62 mm Standard	305 - 356	095304	62	246	70	76	16,8	7,2

	Part no.	Weight (kg)
Standard Adapter Assembly	090176	6,1
Severe Duty Package	091699	0,5

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (1,250").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The RHB 38 is designed to handle 590 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 130 for dimensions of gearcase and input options.

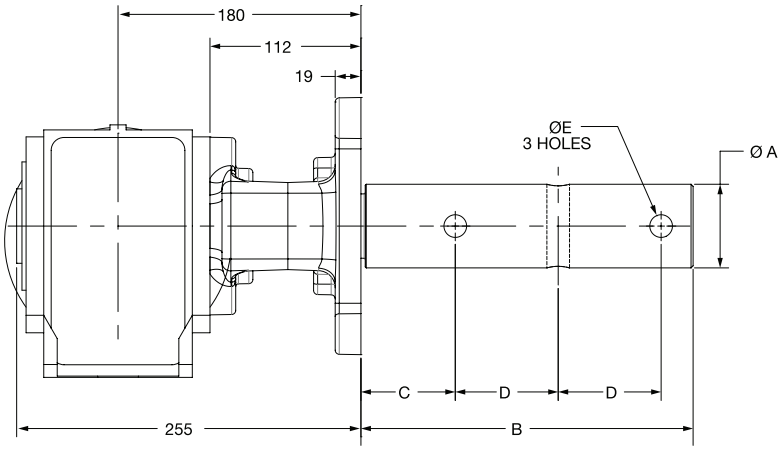
Quantis® reducers

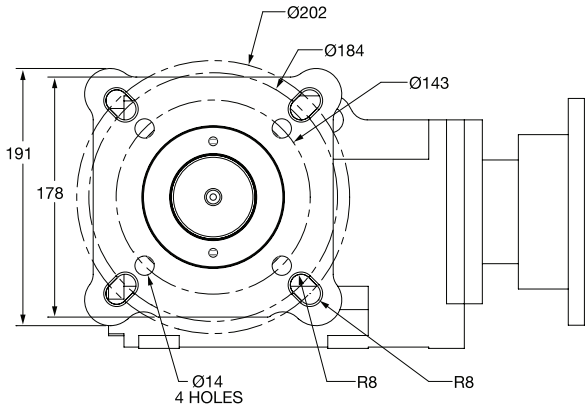
Selection/dimensions

Right Angle Helical Bevel (RHB) BF_48

RHB 48 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.





CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part No.	Ø A	B	C	D	Ø E	Weight (kg)
38 mm Standard	153 - 229	091585	38	229	54	76	13,5	4,3
51 mm Standard	229 - 305	091587	51	229	54	76	16,8	5,8
62 mm Standard	305 - 356	095305	62	246	70	76	16,8	7,8

	Part no.	Weight (kg)
Standard Adapter Assembly	090177	7,8
Severe Duty Package	091701	0,7

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (1,375").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The RHB 48 is designed to handle 1542 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 134 for dimensions of gearcase and input options.

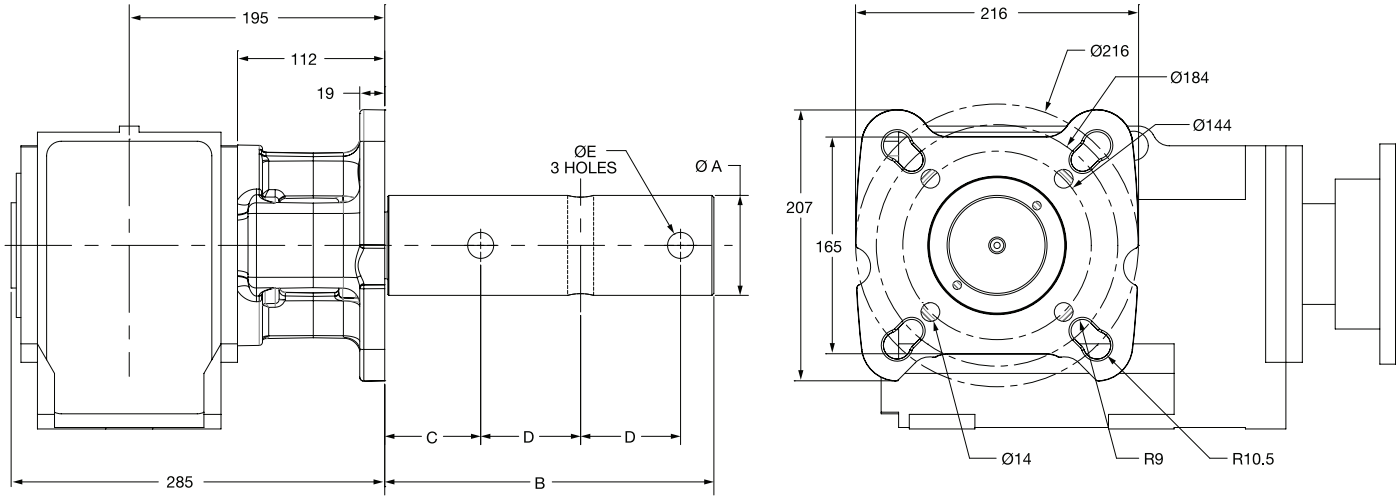
Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) BF_68

RHB 68 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.



CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	ØA	B	C	D	Ø E	Weight (kg)
38 mm Standard	153 - 229	091589	38	229	54	76	13,5	4,8
51 mm Standard	229 - 305	091591	51	229	54	76	16,8	6,3
62 mm Standard	305 - 356	091593	62	246	70	76	16,8	8,4
76 mm Standard	305 - 508	095306	76	251	73	76	19,8	11,1

	Part no.	Weight (kg)
Standard Adapter Assembly	090178	8,7
Severe Duty Package	091703	0,7

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (1,50").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The RHB 68 is designed to handle 2087 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 138 for dimensions of gearcase and input options.

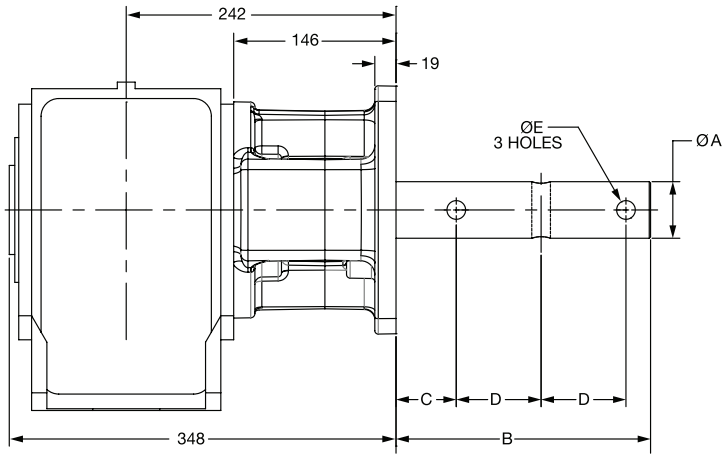
Quantis® reducers

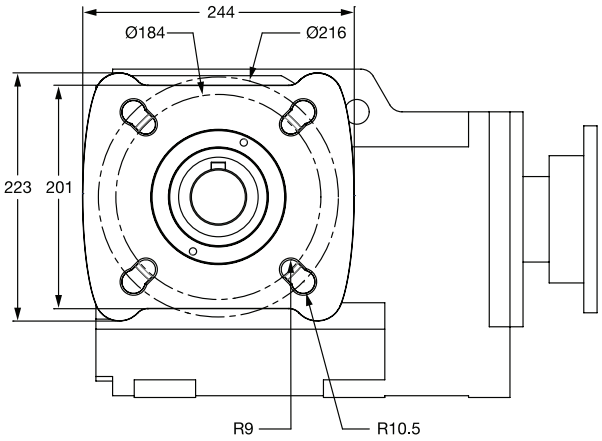
Selection/dimensions

Right Angle Helical Bevel (RHB) BF_88

RHB 88 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.





CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
51 mm Standard	229 - 305	091597	51	229	54	76	16,8	10,1
62 mm Standard	305 - 356	091599	62	246	70	76	16,8	12,3
76 mm Standard	305 - 508	091601	76	251	73	76	19,8	15,3

	Part no.	Weight (kg)
Standard Adapter Assembly	090179	15,9
Severe Duty Package	091705	1,0

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (2,00").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The RHB 88 is designed to handle 2722 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 142 for dimensions of gearcase and input options.

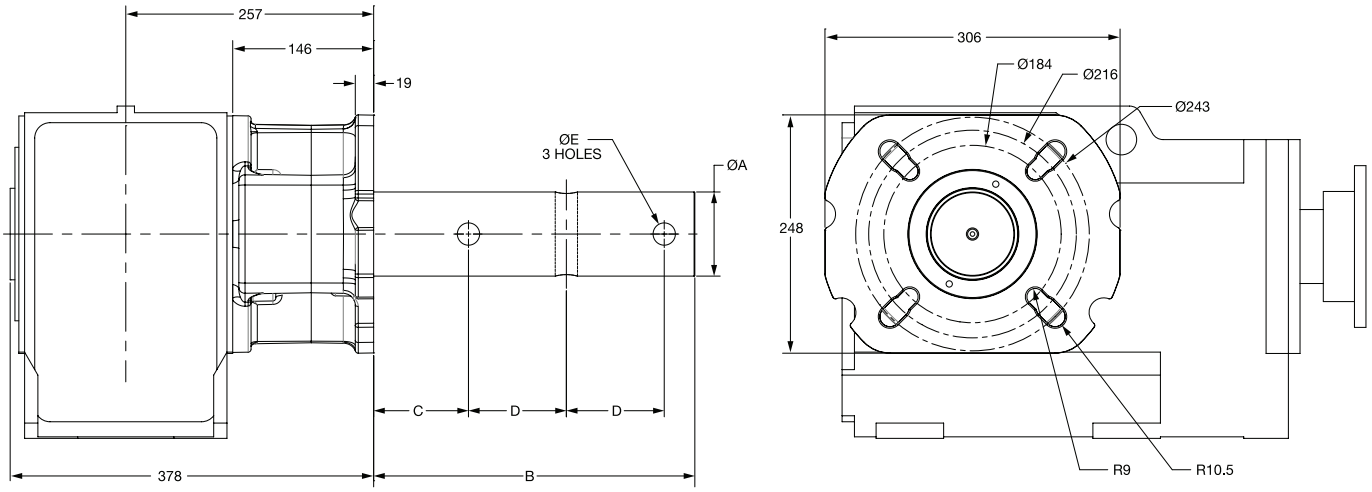
Quantis® reducers

Selection/dimensions

Right Angle Helical Bevel (RHB) BF_108

RHB 108 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.



CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
51 mm Standard	229 - 305	091603	51	229	54	76	16,8	12,3
62 mm Standard	305 - 356	091605	62	246	70	76	16,8	14,6
76 mm Standard	305 - 508	091607	76	251	73	76	19,8	17,6
87 mm Standard	457 - 508	095308	87	334	98	102	23,1	23,6

	Part no.	Weight (kg)
Standard Adapter Assembly	095312	24,0
Severe Duty Package	091707	1,0

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (2,375").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The RHB 108 is designed to handle 3175 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 146 for dimensions of gearcase and input options.

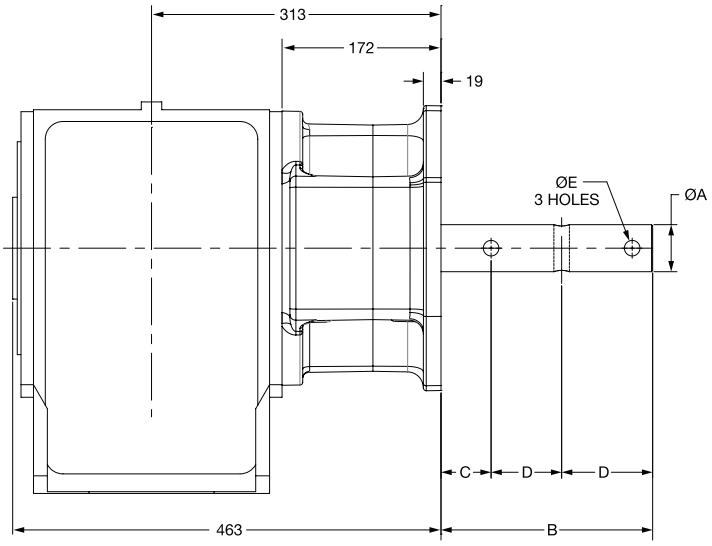
Quantis® reducers

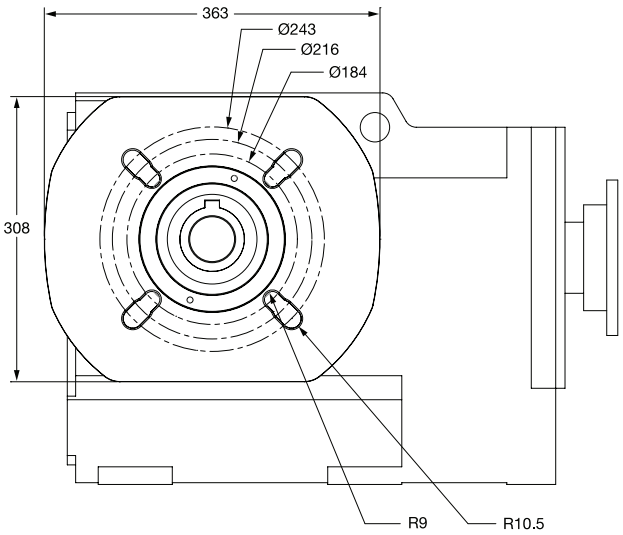
Selection/dimensions

Right Angle Helical Bevel (RHB) BF_128

RHB 128 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.





CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
51 mm Standard	229 - 305	091609	51	229	54	76	16,8	19,7
62 mm Standard	305 - 356	091611	62	246	70	76	16,8	21,9
76 mm Standard	305 - 508	091613	76	251	73	76	19,8	24,9
87 mm Standard	457 - 508	091615	87	334	98	102	23,1	31,5

	Part no.	Weight (kg)
Standard Adapter Assembly	096250	38,6
Severe Duty Package	091709	1,5

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (2,750").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The RHB 128 is designed to handle 4082 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 150 for dimensions of gearcase and input options.

Quantis® reducers
Thermal ratings

RHB38

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
5,65	**256,6**	**4,12**	9,6	9,5	9,5	9,4	9,5
6,22	**233,1**	**3,87**	9,6	9,5	9,5	9,3	9,4
7,22	**200,8**	**3,50**	9,0	9,0	9,0	9,0	9,0
7,82	**185,4**	**3,32**	9,1	9,0	9,0	9,0	9,0
8,85	**163,8**	**3,05**	8,7	8,7	8,7	8,6	8,6
9,72	**149,2**	**2,87**	8,5	8,4	8,4	8,4	8,4
10,72	**135,3**	**2,68**	8,2	8,1	8,1	8,1	8,1
11,50	**126,1**	**3,93**	8,2	8,2	8,2	8,1	8,1
12,65	**114,6**	**3,57**	8,2	8,1	8,2	8,0	8,1
14,69	**98,7**	**3,07**	7,7	7,6	7,7	7,6	7,6
15,91	**91,1**	**2,84**	7,7	7,7	7,7	7,6	7,6
17,99	**80,6**	**2,51**	7,4	7,4	7,4	7,4	7,4
19,78	**73,3**	**2,29**	7,2	7,1	7,2	7,1	7,1
21,81	**66,5**	**2,07**	6,9	6,9	6,9	6,9	6,9
24,16	**60,0**	**1,87**	6,7	6,6	6,7	6,6	6,6
26,90	**53,9**	**1,68**	6,4	6,4	6,4	6,4	6,4
28,72	**50,5**	**1,57**	5,6	5,5	5,6	5,5	5,5
31,59	**45,9**	**1,43**	5,5	5,4	5,5	5,4	5,4
36,69	**39,5**	**1,23**	5,2	5,2	5,2	5,2	5,2
39,73	**36,5**	**1,14**	5,2	5,2	5,2	5,2	5,2
44,94	**32,3**	**1,01**	5,0	5,0	5,0	5,0	5,0
49,38	**29,4**	**0,91**	4,9	4,9	4,9	4,9	4,9
54,47	**26,6**	**0,83**	4,7	4,7	4,7	4,7	4,7
60,33	**24,0**	**0,75**	4,6	4,6	4,6	4,6	4,6
67,18	**21,6**	**0,67**	4,4	4,3	4,4	4,3	4,3
77,09	**18,8**	**0,59**	4,3	4,3	4,3	4,3	4,3
85,33	**17,0**	**0,53**	4,0	4,0	4,0	4,0	4,0
97,05	**14,9**	**0,46**	3,8	3,8	3,8	3,8	3,8
110,75	**13,1**	**0,40**	3,8	3,8	3,8	3,8	3,8
124,78	**11,6**	**0,36**	3,5	3,5	3,5	3,5	3,5
139,43	**10,4**	**0,32**	3,4	3,4	3,4	3,4	3,4
159,04	**9,1**	**0,29**	3,2	3,2	3,2	3,2	3,2
179,13	**8,1**	**0,25**	3,0	3,0	3,0	3,0	3,0

RHB Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 38, 14,69:1, 1450 RPM input speed, 71D motor frame at 48 degree C ambient, A5 mounting position:

According to the table above, this unit is capable of 7,6 kW Thermally at 20 degree C. To convert this to the capability at 48 degrees C, multiply the rating by the factor in the Thermal Factors table (0,43). Actual Thermal Rating is 7,6*0,43 = 3,268 kW. The mechanical rating for the RHB 38, 14,69 kW, 71D frame is 1,25 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

RHB48

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
7,22	**200,8**	**7,28**	11,8	11,7	11,7	11,5	11,6
8,40	**172,6**	**6,26**	11,5	11,6	11,6	11,3	11,3
9,32	**155,6**	**5,64**	11,0	11,0	11,0	10,8	10,9
10,15	**142,9**	**5,18**	11,1	11,1	11,0	11,0	11,0
11,95	**121,3**	**6,40**	10,1	10,0	10,1	9,9	10,0
13,90	**104,3**	**5,76**	9,7	9,6	9,7	9,6	9,6
15,42	**94,0**	**5,27**	9,3	9,2	9,3	9,2	9,2
16,79	**86,4**	**4,85**	9,3	9,3	9,3	9,2	9,3
18,78	**77,2**	**4,33**	8,8	8,8	8,8	8,8	8,8
20,54	**70,6**	**3,96**	8,5	8,5	8,5	8,5	8,5
22,54	**64,3**	**3,61**	8,2	8,2	8,2	8,2	8,2
24,85	**58,4**	**3,27**	7,9	7,9	7,9	7,9	7,9
27,55	**52,6**	**2,96**	7,6	7,6	7,6	7,5	7,6
28,90	**50,2**	**2,82**	7,4	7,3	7,4	7,3	7,3
33,60	**43,2**	**2,42**	7,1	7,0	7,1	7,0	7,0
37,28	**38,9**	**2,18**	6,8	6,7	6,8	6,7	6,7
40,60	**35,7**	**2,01**	6,8	6,7	6,8	6,7	6,7
45,41	**31,9**	**1,79**	6,5	6,4	6,5	6,4	6,4
49,65	**29,2**	**1,64**	6,2	6,2	6,2	6,2	6,2
54,49	**26,6**	**1,49**	6,0	6,0	6,0	6,0	8,1
60,08	**24,1**	**1,35**	5,8	5,8	5,8	5,8	5,8
66,60	**21,8**	**1,22**	5,6	5,5	5,6	5,5	5,5
75,45	**19,2**	**1,08**	5,4	5,4	5,4	5,4	5,4
83,25	**17,4**	**0,98**	5,1	5,1	5,1	5,1	5,1
94,12	**15,4**	**0,87**	4,8	4,8	4,8	4,8	4,8
107,47	**13,5**	**0,76**	4,8	4,7	4,8	4,7	4,7
122,19	**11,9**	**0,67**	4,4	4,4	4,4	4,4	4,4
130,78	**11,1**	**0,63**	4,3	4,3	4,3	4,3	4,3
150,76	**9,6**	**0,54**	4,1	4,1	4,1	4,1	4,1
169,53	**8,6**	**0,48**	3,9	3,9	4,0	3,9	3,9

RHB Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 48, 11,95:1, 1450 RPM input speed, 80D motor frame at 48 degree C ambient, A1 mounting position:

According to the table above, this unit is capable of 10,1 kW Thermally at 20 degree C. To convert this to the capability at 47 degrees C, multiply the rating by the factor in the Thermal Factors table (0,65). Actual Thermal Rating is 10,1*0,65 = 6,565. The mechanical rating for the RHB 48, 11,95 kW, 80D frame is 1,52 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

RHB68

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
5,36	**270,5**	**10,21**	21,2	22,6	22,3	21,9	22,3
6,44	**225,2**	**10,21**	21,8	21,8	21,7	21,4	21,7
7,58	**191,3**	**10,21**	21,2	21,3	21,1	20,9	21,1
8,50	**170,6**	**10,21**	21,0	21,5	21,0	20,7	20,9
9,52	**152,3**	**12,12**	20,3	20,4	20,4	20,2	20,2
10,40	**139,4**	**9,52**	19,6	19,7	20,1	19,6	20,1
11,94	**121,4**	**10,08**	16,4	16,4	16,5	16,2	16,3
14,35	**101,0**	**8,87**	15,6	15,6	15,7	15,5	15,6
16,89	**85,8**	**7,91**	14,9	15,0	15,0	14,9	14,9
18,93	**76,6**	**7,30**	14,6	14,7	14,7	14,6	14,6
21,22	**68,3**	**6,74**	14,1	14,2	14,2	14,1	14,2
23,16	**62,6**	**6,34**	13,6	13,7	13,7	13,6	13,7
25,42	**57,0**	**5,83**	13,3	13,4	13,4	13,3	13,3
27,99	**51,8**	**5,30**	12,7	12,7	12,7	12,7	12,7
30,38	**47,7**	**4,72**	12,2	12,3	12,3	12,3	12,3
32,78	**44,2**	**4,52**	11,0	11,0	11,0	11,0	11,0
39,39	**36,8**	**3,77**	10,4	10,4	10,4	10,4	10,4
46,37	**31,3**	**3,20**	9,9	9,9	10,0	10,0	9,9
51,96	**27,9**	**2,85**	9,7	9,8	9,8	9,8	9,7
58,23	**24,9**	**2,54**	9,4	9,4	9,5	9,4	9,4
63,57	**22,8**	**2,33**	9,0	9,1	9,1	9,1	9,1
69,78	**20,8**	**2,13**	8,9	8,9	8,9	8,9	8,9
76,84	**18,9**	**1,93**	8,5	8,5	8,5	8,5	8,5
83,40	**17,4**	**1,78**	8,2	8,3	8,3	8,3	8,3
90,89	**16,0**	**1,63**	7,9	8,0	8,0	8,0	8,0
99,55	**14,6**	**1,49**	7,6	7,7	7,7	7,7	7,7
109,64	**13,2**	**1,35**	7,4	7,4	7,4	7,4	7,4
126,09	**11,5**	**1,18**	7,0	7,1	7,1	7,1	7,1
136,60	**10,6**	**1,09**	6,7	6,8	6,8	6,7	6,7
150,98	**9,6**	**0,99**	6,4	6,4	6,4	6,4	6,4
176,14	**8,2**	**0,84**	6,1	6,1	6,1	6,1	6,1
196,07	**7,4**	**0,76**	5,7	5,8	5,8	5,8	5,8
215,68	**6,7**	**0,68**	5,5	5,5	5,5	5,5	5,5
243,72	**5,9**	**0,61**	5,1	5,1	5,1	5,1	5,1

RHB Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 68, 69,78:1, 1450 RPM input speed, 90D motor frame at -6 degree C ambient, A2 mounting position:

According to the table above, this unit is capable of 8,9 kW Thermally at 20 degree C. To convert this to the capability at -6 degrees C, multiply the rating by the factor in the Thermal Factors table (1,59). Actual Thermal Rating is 8,9*1,59 = 14,151 kW. The mechanical rating for the RHB 68, 69,78 kW, 90D frame is 1,79 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

RHB88

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
5,54	**261,7**	**19,81**	37,0	36,0	35,4	34,9	35,3
6,69	**216,7**	**26,03**	36,2	35,5	35,2	34,8	35,0
8,03	**180,6**	**17,47**	36,5	36,2	36,0	35,7	35,8
9,41	**154,1**	**16,34**	35,0	34,8	34,6	34,4	34,6
11,64	**124,6**	**19,81**	28,2	27,5	27,7	27,4	27,4
14,04	**103,3**	**18,31**	27,5	27,0	27,1	26,9	27,0
16,85	**86,1**	**16,11**	27,6	27,4	27,4	27,2	27,3
19,75	**73,4**	**14,42**	26,5	26,3	26,4	26,3	26,3
23,54	**61,6**	**12,67**	25,1	24,9	25,0	24,9	24,9
25,53	**56,8**	**11,69**	24,8	24,6	24,7	24,6	24,6
28,50	**50,9**	**10,47**	23,9	23,8	23,8	23,8	23,8
30,87	**47,0**	**9,66**	23,2	23,1	23,2	23,1	23,1
34,40	**42,2**	**8,68**	18,8	18,3	18,6	18,5	18,4
41,50	**34,9**	**7,19**	18,2	17,8	18,1	17,9	18,7
49,80	**29,1**	**5,99**	18,0	17,8	17,9	17,9	17,9
58,37	**24,8**	**5,11**	17,3	17,9	17,3	17,9	17,9
69,57	**20,8**	**4,29**	16,4	16,3	16,4	16,3	16,3
75,45	**19,2**	**3,96**	16,2	16,1	16,2	16,1	16,1
84,21	**17,2**	**3,55**	15,7	15,6	15,6	15,6	15,6
91,22	**15,9**	**3,27**	15,2	15,2	15,2	15,2	15,2
103,38	**14,0**	**2,88**	14,6	14,6	14,6	14,6	19,8
111,37	**13,0**	**2,68**	14,1	14,1	14,1	14,1	14,0
120,42	**12,0**	**2,48**	13,7	13,6	13,7	13,6	13,6
130,77	**11,1**	**2,28**	13,2	13,2	13,2	13,2	13,2
144,58	**10,0**	**2,07**	12,7	12,7	12,7	12,7	12,7
156,63	**9,3**	**1,90**	12,3	12,2	12,2	12,2	12,2
176,50	**8,2**	**1,69**	11,8	11,8	11,8	11,8	11,8
193,24	**7,5**	**1,54**	11,2	11,2	11,2	11,2	11,2
215,25	**6,7**	**1,38**	10,5	10,5	10,5	10,5	10,5
246,13	**5,9**	**1,21**	10,2	10,2	10,2	10,2	10,2
272,95	**5,3**	**1,10**	9,9	9,9	9,9	9,9	9,9
302,68	**4,8**	**0,99**	9,6	9,6	9,6	9,6	9,6

RHB Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 88, 8,03:1, 1450 RPM input speed, 100D motor frame at 15 degree C ambient, A3 mounting position:

According to the table above, this unit is capable of 36 kW Thermally at 20 degree C. To convert this to the capability at 15 degrees C, multiply the rating by the factor in the Thermal Factors table (1,11). Actual Thermal Rating is 36*1,11 = 39,96 kW. The mechanical rating for the RHB 88, 8,03 kW, 100D frame is 6,4 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

RHB108

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
7,68	**188,8**	**33,36**	55,7	52,4	53,0	52,0	52,0
9,36	**154,9**	**27,74**	54,4	53,1	53,5	52,6	52,9
10,97	**132,2**	**23,95**	52,4	51,6	53,5	51,3	51,4
12,90	**112,4**	**20,60**	52,3	51,9	52,0	51,6	51,7
13,74	**105,5**	**31,42**	44,4	42,1	43,2	42,4	42,1
16,75	**86,6**	**27,34**	43,2	42,0	42,7	42,1	42,1
19,63	**73,9**	**24,82**	41,5	40,7	41,3	40,8	40,8
23,08	**62,8**	**21,74**	41,3	40,9	41,2	40,8	40,9
26,48	**54,8**	**19,14**	39,5	39,2	39,4	39,1	39,2
31,25	**46,4**	**16,41**	37,1	37,0	37,1	36,9	37,0
33,87	**42,8**	**15,22**	36,6	36,3	36,5	36,3	36,3
36,44	**39,8**	**14,15**	29,9	28,5	29,3	29,2	28,7
44,44	**32,6**	**12,21**	29,1	28,3	28,8	28,6	28,5
52,08	**27,8**	**10,42**	28,0	27,5	27,9	27,7	27,6
61,22	**23,7**	**8,86**	27,8	27,5	27,8	27,7	27,5
70,24	**20,6**	**7,72**	26,7	26,6	26,7	26,6	26,6
82,90	**17,5**	**6,55**	25,4	25,2	25,4	25,3	25,3
89,85	**16,1**	**6,04**	25,0	24,9	25,0	24,9	24,9
99,90	**14,5**	**5,43**	24,2	24,1	24,2	24,1	24,1
108,52	**13,4**	**5,00**	23,4	23,3	23,4	23,3	23,3
120,03	**12,1**	**3,79**	22,7	22,7	22,7	22,7	22,7
128,86	**11,3**	**4,21**	22,0	21,9	22,0	22,0	21,9
138,87	**10,4**	**3,91**	21,3	21,3	21,3	21,3	21,3
150,31	**9,6**	**3,61**	20,6	20,6	20,6	20,6	20,6
163,51	**8,9**	**3,32**	19,9	19,9	19,9	19,9	19,9
178,90	**8,1**	**3,03**	19,1	19,0	19,1	19,0	19,0
201,11	**7,2**	**2,70**	18,2	18,2	18,2	18,2	18,2
219,64	**6,6**	**2,47**	17,4	17,4	17,4	17,4	17,4
243,47	**6,0**	**2,23**	16,5	16,5	16,5	16,5	16,5
278,10	**5,2**	**1,95**	15,1	15,2	15,1	15,1	15,2
307,24	**4,7**	**1,77**	14,0	14,0	13,9	14,0	14,0

RHB Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 108, 23,08:1, 1450 RPM input speed, 132D motor frame at 26 degree C ambient, A1 mounting position:

According to the table above, this unit is capable of 41,3 kW Thermally at 20 degree C. To convert this to the capability at 26 degrees C, multiply the rating by the factor in the Thermal Factors table (0,87). Actual Thermal Rating is 41,3*0,87 = 35,931 kW. The mechanical rating for the RHB 108, 23,08 kW, 132D frame is 18,27 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

RHB128

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
7,10	**204,2**	**68,14**	76,7	71,4	69,0	69,7	**66,6**
8,26	**175,5**	**62,91**	76,4	72,1	72,2	72,1	71,2
9,16	**158,3**	**57,52**	76,2	73,3	73,3	73,0	72,4
10,88	**133,3**	**49,72**	73,8	72,2	72,4	71,9	71,8
12,56	**115,4**	**43,55**	70,8	69,7	69,8	69,4	69,4
13,00	**111,5**	**55,35**	68,1	61,8	64,0	64,4	62,0
15,13	**95,8**	**49,79**	66,9	63,2	64,7	64,6	63,4
16,76	**86,5**	**46,33**	66,3	63,5	64,8	64,6	63,8
19,92	**72,8**	**41,06**	63,7	62,4	63,3	62,8	62,5
22,99	**63,1**	**36,12**	61,0	59,9	60,6	60,2	60,1
27,02	**53,7**	**31,01**	60,0	59,4	59,8	59,6	59,5
30,61	**47,4**	**27,61**	57,1	56,7	56,9	56,8	56,7
35,92	**40,4**	**23,66**	53,3	53,0	53,2	53,0	53,0
39,19	**37,0**	**21,68**	51,9	51,6	51,8	51,6	51,6
41,38	**35,0**	**20,54**	39,4	36,0	37,7	38,0	36,5
48,14	**30,1**	**17,66**	38,8	36,6	37,7	37,9	36,9
53,36	**27,2**	**15,93**	38,4	36,8	37,7	37,7	37,1
63,41	**22,9**	**13,41**	37,1	36,3	36,9	36,8	36,5
73,18	**19,8**	**11,61**	35,8	35,2	35,7	35,6	35,4
85,98	**16,9**	**9,89**	35,4	35,0	35,2	35,2	35,1
97,44	**14,9**	**8,72**	34,0	33,7	33,9	33,9	33,8
114,34	**12,7**	**7,44**	32,2	32,0	32,1	32,1	32,0
124,73	**11,6**	**6,82**	31,6	31,3	31,5	31,4	42,6
136,06	**10,7**	**6,24**	30,6	30,4	30,6	30,5	30,5
146,84	**9,9**	**5,79**	29,7	29,6	29,7	29,6	29,6
164,11	**8,8**	**5,18**	28,7	28,6	28,7	28,6	28,6
175,80	**8,2**	**4,83**	27,7	27,6	27,7	27,6	27,6
189,04	**7,7**	**4,49**	26,7	26,7	26,7	26,7	26,7
204,18	**7,1**	**4,16**	25,8	25,7	25,8	25,8	25,7
221,64	**6,5**	**3,83**	24,9	24,9	24,9	24,9	24,9
242,02	**6,0**	**3,52**	24,3	24,3	24,3	24,3	24,3
270,90	**5,4**	**3,14**	23,2	23,2	23,2	23,2	23,2
295,38	**4,9**	**2,88**	22,7	22,7	22,7	22,7	22,6

RHB Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 128, 204,18:1, 1450 RPM input speed, 132D motor frame at 4 degree C ambient, A5 mounting position:

According to the table above, this unit is capable of 25,7 kW Thermally at 20 degree C. To convert this to the capability at 4 degrees C, multiply the rating by the factor in the Thermal Factors table (1,27). Actual Thermal Rating is 25,7*1,27 = 32,639 kW. The mechanical rating for the RHB 128, 204,18 kW, 132D frame is 3,5 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

RHB148

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
4,83	**300,2**	**100,14**	112,3	**70,2**	**66,2**	**66,2**	**63,1**
6,43	**225,5**	**93,05**	120,7	99,9	98,3	99,4	**91,1**
7,44	**194,9**	**85,84**	124,7	118,9	116,0	114,8	111,2
8,79	**165,0**	**77,79**	122,6	115,5	116,1	114,7	113,9
9,77	**148,4**	**100,15**	**87,8**	**54,8**	**59,7**	**65,3**	**53,3**
13,00	**111,5**	**93,06**	**88,6**	**73,4**	**78,6**	**80,8**	**73,7**
15,05	**96,3**	**85,83**	90,1	**83,4**	86,3	85,9	**83,8**
17,77	**81,6**	**76,15**	86,5	82,5	84,6	84,0	82,9
19,84	**73,1**	**68,78**	84,9	81,9	83,6	82,8	82,2
23,19	**62,5**	**59,60**	81,5	79,9	81,1	80,4	80,1
26,58	**54,6**	**52,54**	78,0	76,8	77,7	77,2	76,9
30,74	**47,2**	**45,95**	73,8	73,0	73,5	73,2	73,1
31,10	**46,6**	**46,52**	49,7	**32,4**	**38,2**	**42,9**	**34,3**
41,38	**35,0**	**34,97**	52,7	44,5	48,8	50,1	46,1
47,91	**30,3**	**30,20**	53,2	49,3	51,6	51,8	50,0
56,57	**25,6**	**25,58**	51,3	48,8	50,5	50,5	49,4
63,16	**23,0**	**22,91**	50,5	48,5	49,9	49,7	49,0
73,80	**19,6**	**19,61**	48,7	47,7	48,5	48,4	48,0
84,61	**17,1**	**17,10**	47,0	46,2	46,9	46,7	46,4
97,82	**14,8**	**14,79**	44,8	44,4	44,8	44,6	44,4
101,53	**14,3**	**14,25**	45,7	45,2	45,6	45,5	45,3
112,35	**12,9**	**12,88**	44,1	43,8	44,1	43,9	43,8
131,49	**11,0**	**11,00**	41,6	41,4	41,6	41,5	41,4
142,41	**10,2**	**10,16**	40,7	40,5	40,7	40,7	40,5
158,93	**9,1**	**9,11**	39,1	38,8	39,0	38,9	38,9
168,50	**8,6**	**8,58**	37,6	37,4	37,6	37,5	37,5
191,02	**7,6**	**7,58**	36,2	36,0	36,2	36,1	36,0
204,38	**7,1**	**7,08**	35,2	35,1	35,2	35,2	35,2
214,96	**6,7**	**6,73**	34,3	34,1	34,2	34,2	34,2
231,95	**6,3**	**6,24**	33,0	33,0	33,0	33,0	33,0
251,55	**5,8**	**5,74**	31,8	31,8	31,8	31,8	31,8
274,42	**5,3**	**5,27**	30,4	30,4	30,4	30,4	30,4
306,08	**4,7**	**4,73**	28,5	28,5	28,5	28,5	28,4

RHB Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 148, 15,05:1, 1450 RPM input speed, 225D motor frame at 26 degree F ambient, A1 mounting position:

According to the table above, this unit is capable of 90,1 kW Thermally at 20 degree C. To convert this to the capability at 26 degrees C, multiply the rating by the factor in the Thermal Factors table (0,87). Actual Thermal Rating is 90,1*0.87 = 78,387. The mechanical rating for the RHB 148, 15,05 kW, 225D frame is 78,25 kW. This unit is now thermally limited to 78,387 kW.

Quantis® reducers
Thermal ratings

RHB168

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
6,61	**219,4**	**88,93**	111,3	**88,9**	**89,9**	**80,6**	**82,7**
8,64	**167,8**	**86,63**	131,7	113,3	116,9	107,0	107,8
10,17	**142,6**	**84,05**	139,0	130,7	130,7	123,6	124,7
11,67	**124,3**	**78,03**	138,5	130,9	133,6	130,8	129,2
12,41	**116,8**	**88,93**	93,0	**72,3**	**78,7**	**71,0**	**71,6**
16,21	**89,5**	**86,62**	107,2	91,6	99,9	92,5	92,1
19,09	**76,0**	**84,05**	111,4	102,0	108,0	102,6	102,7
21,90	**66,2**	**78,03**	110,2	103,8	108,4	104,7	104,6
24,14	**60,1**	**73,63**	109,7	105,1	108,5	105,5	105,6
28,54	**50,8**	**65,66**	105,7	103,0	105,3	103,3	103,4
32,53	**44,6**	**59,76**	101,6	99,7	101,3	100,0	99,9
34,55	**42,0**	**70,66**	79,4	**61,2**	**68,8**	72,4	**63,8**
45,15	**32,1**	**54,08**	78,6	68,8	74,1	75,2	70,7
53,18	**27,3**	**45,92**	78,4	72,6	76,4	76,6	73,9
60,99	**23,8**	**40,03**	76,4	72,4	75,4	75,4	73,5
67,22	**21,6**	**36,32**	75,6	72,5	74,9	74,8	73,4
79,49	**18,2**	**30,71**	72,7	70,8	72,4	72,2	71,3
90,60	**16,0**	**26,95**	69,9	68,6	69,9	69,7	69,1
104,18	**13,9**	**23,44**	66,8	66,0	66,8	66,6	66,2
119,09	**12,2**	**20,51**	65,6	65,0	65,6	65,4	65,2
138,00	**10,5**	**17,68**	62,0	61,6	62,0	61,9	61,7
150,36	**9,6**	**16,24**	60,8	60,4	60,8	60,7	60,5
167,50	**8,7**	**14,58**	59,1	58,8	59,0	59,0	58,8
177,43	**8,2**	**13,76**	58,1	57,8	58,0	58,0	57,9
119,54	**12,1**	**12,24**	53,6	53,5	53,5	53,5	53,5
213,33	**6,8**	**11,44**	51,7	51,6	51,7	51,7	51,6
226,15	**6,4**	**10,80**	50,4	50,2	50,3	50,3	50,2
243,80	**5,9**	**10,02**	48,5	48,3	48,4	48,4	48,3
264,18	**5,5**	**9,25**	46,6	46,5	46,6	46,6	46,6
287,95	**5,0**	**7,44**	44,5	44,4	44,4	44,5	44,4

RHB Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 168, 213,33:1, 1450 RPM input speed, 160D motor frame at 48 degree C ambient, A2 mounting position:

According to the table above, this unit is capable of 51.6 kW Thermally at 20 degree C. To convert this to the capability at 48 degrees C, multiply the rating by the factor in the Thermal Factors table (0,43). Actual Thermal Rating is 51,6*0,43 = 22,188 kW. The mechanical rating for the RHB 168, 213,33 kW, 160D frame is 9,62 kW. This unit is not thermally limited.

Quantis® reducers

MSM Nomenclature

Example reducer

1	2	3	4	5	5a	6	7 [a/b]		8	9	10	10a	10b	11	11a	12
M	W	38	2	C		I	71D	/	9,80	A1	S	M	25	–	–	–
M	W	168	3	S	M		250	/	38,51	A4	H	M	100	B5	550mm	–

1 Product Series – M = MSM

2 Output Configuration
W = Universal Housing

3 Unit Size – 38 through 168
38, 68, 88, 108, 128, 148, 168

4 Reduction Stage
2 = Double
3 = Triple

5 Input Configuration

Reducers only:
C = Clamp Collar
L = 3 Piece Coupled
S = Free input

5a M = Metric (for free input)

6 Motor Type
I = IEC (for Reducers)
blank, if 5 = SM → go to 7b

7a Motor Frame (for Reducers)
71D 80D 90D 100D 112D
132D 160D 180D 200D 225D
250D

7b Free input group
71, 80, 90, 100, 112, 132, 160, 180, 225, 250

8 Ratio
(Use actual ratio from section tables)

MSM38	9.80 - 249.78
MSM48	7.95 - 213.83
MSM68	6.65 - 223.74
MSM88	8.85 - 350.03
MSM108	9.52 - 240.77
MSM128	6.86 - 214.48
MSM148	7.54 - 218.71
MSM168	7.71 - 237.76

9 Mounting Position (Pages 186-188)
A1, A2, A3, A4, A5, A6

10 Output Shaft Type
S = Single Extension Solid Shaft
H = Straight Hollow bore
C = Shrink disc coupling
T = Tapered Hollow Bore

10a Output Shaft Dimension
M = Metric

10b Output Shaft Diameter

Single Extension Solid Shaft

	Std	Optional
MSM 38	25 mm	35 mm
MSM 48	30 mm	40 mm
MSM 68	40 mm	50 mm
MSM 88	50 mm	70 mm
MSM 108	60 mm	80 mm
MSM 128	70 mm	90 mm
MSM 148	90 mm	100 mm
MSM 168	110 mm	120 mm

Straight Hollow Bore

	Std	Optional
MSM 38	30mm	—
MSM 48	35mm	—
MSM 68	40mm	45mm
MSM 88	50mm	60mm
MSM 108	60mm	70mm
MSM 128	70mm	80mm
MSM 148	80mm	90mm
MSM 168	100mm	110mm

Shrink Disk

Std			
MSM 38	30mm	MSM 108	70mm
MSM 48	40mm	MSM 128	80mm
MSM 68	50mm	MSM 148	95mm
MSM 88	60mm	MSM 168	105mm

Tapered Hollow Bore
(See Pages 250-257)

11 Output Flange Type – B5, B14 (Std)

11a Output Flange Diameter

	B5 Flange	B14 Flange
MSM 38	160mm	120mm
MSM 48	200mm	132mm
MSM 68	250mm	150mm
MSM 88	300mm	190mm
MSM 108	350mm	245mm
MSM 128	450mm	295mm
MSM 148	450mm	335mm
MSM 168	550mm	400mm

12 Torque Arm Option
B = Rubber bushing

13. 38 - 128 MW Style Housing
(See Pages 258-263)
SCS = Screw Conveyor with Drive Shaft
SCN = Screw Conveyor - No Drive Shaft

13a. Screw Conveyor Drive Shaft Diameter

MSM 38	1,50" 38 mm	2,00" 51 mm	2,4375" 62 mm	
MSM 48	1,50" 38 mm	2,00" 51 mm	2,4375" 62 mm	
MSM 68	1,50" 38 mm	2,00" 51 mm	2,4375" 62 mm	3,00" 76 mm
MSM 88	2,00" 51 mm	2,4375" 62 mm	3,00" 76 mm	
MSM 108	2,00" 51 mm	2,4375" 62 mm	3,00" 76 mm	3,4375" 87 mm
MSM 128	2,00" 51 mm	2,4375" 62 mm	3,00" 76 mm	3,4375" 87 mm

13b. Screw Conveyor Adapter
S = Standard
XT = Harsh Duty

Refer to CA1603 for inch and NEMA options

Quantis® reducers

MSM mounting positions

Motorized shaft mount B5 flanged reducers

These mounting arrangements are for all output configurations and output shaft types. When ordering, please specify mounting position for correct oil quantity. In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

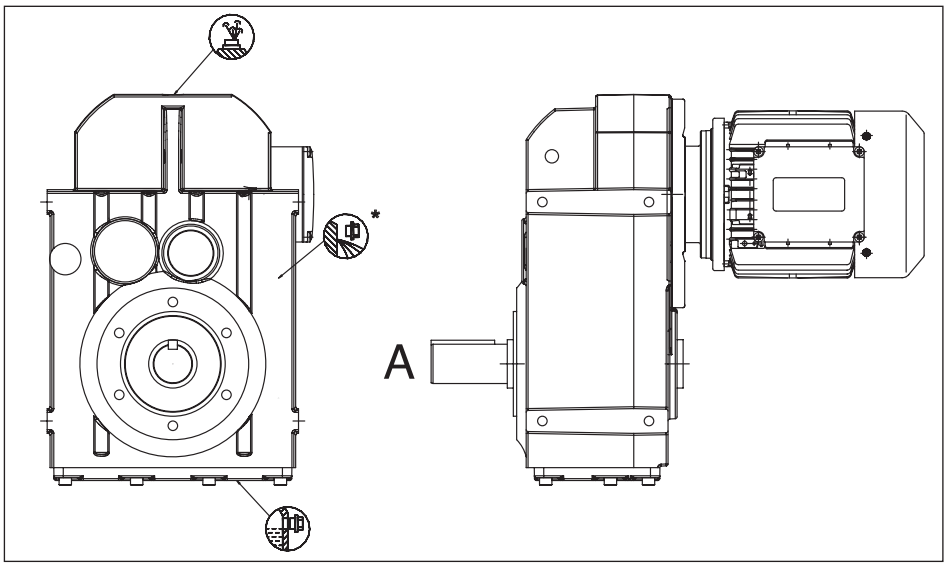
NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **ALWAYS** fill the reducer to the correct oil level plug and recheck in 1 week.

Oil level Ventilation Oil drain

A1

Type	Red. stage	Pints	Liters
MW38	2	3,2	1,5
	3	3,2	1,5
MW48	2	4,2	2,0
	3	4,2	2,0
MW68	2	9,5	4,5
	3	9,3	4,4
MW88	2	18,4	8,7
	3	18,4	8,7
MW108	2	30,4	14,4
	3	29,4	13,9
MW128	2	58,5	27,7
	3	57,3	27,1
MW148	2	84,1	39,8
	3	82,2	38,9
MW168	2	138,8	63,3
	3	131,0	62,0

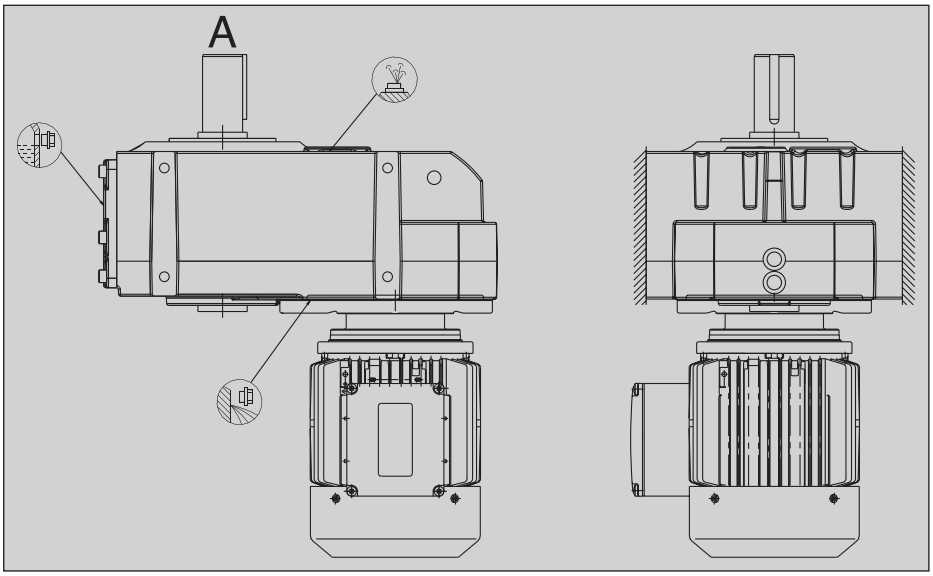
A1



A2

Type	Red. stage	Pints	Liters
MW38	2	4,2	2,0
	3	4,2	2,0
MW48	2	6,1	2,9
	3	6,1	2,9
MW68	2	12,3	5,8
	3	12	5,7
MW88	2	24,7	11,7
	3	24,1	11,4
MW108	2	40,4	19,1
	3	39,7	18,8
MW128	2	71,9	34,0
	3	73,1	34,6
MW148	2	103,6	49,0
	3	104,4	49,4
MW168	2	148,1	70,1
	3	149,2	70,6

A2 ✻



* on opposite side
② 2-stage reducers
③ 3-stage reducers
A MSM38 or MW38 is sealed unit and furnished with only one plug (Position A) for the purpose of filling and draining lubricant.
✻ Note: A2 mounting is not a recommended mounting position due to the weight of oil on the high speed input seal.

Quantis® reducers

MSM mounting positions

Motorized shaft mount B5 flanged reducers

These mounting arrangements are for all output configurations and output shaft types. When ordering, please specify mounting position for correct oil quantity. In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

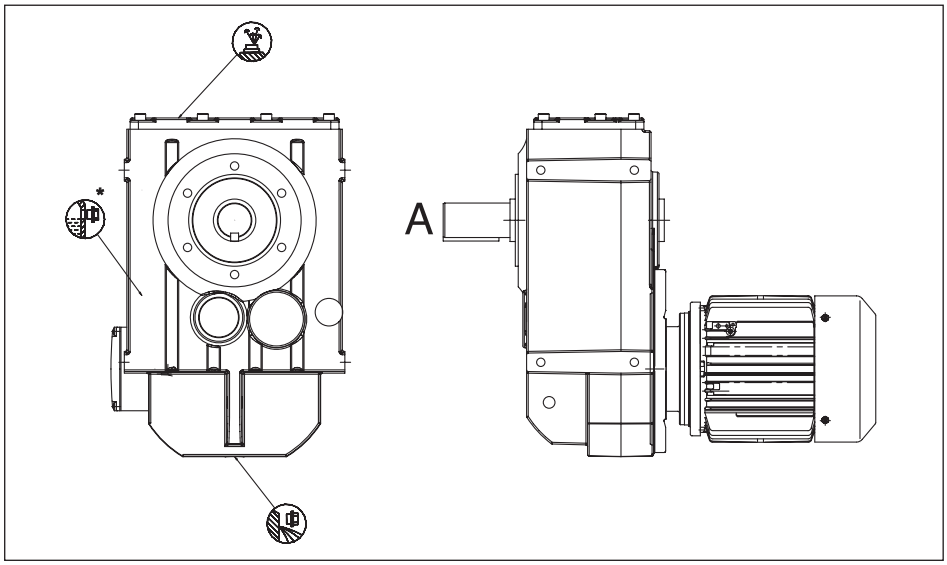
NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **ALWAYS** fill the reducer to the correct oil level plug and recheck in 1 week.

Oil level Ventilation Oil drain

A3

Type	Red. stage	Pints	Liters
MW38	2	1,7	0,8
	3	1,7	0,8
MW48	2	3	1,4
	3	3,2	1,5
MW68	2	5,9	2,8
	3	6,1	2,9
MW88	2	14,2	6,7
	3	13,7	6,5
MW108	2	18,8	8,9
	3	19,2	9,1
MW128	2	30	14,2
	3	31,5	14,9
MW148	2	46,1	21,8
	3	47,1	22,3
MW168	2	67,8	32,1
	3	69,1	32,7

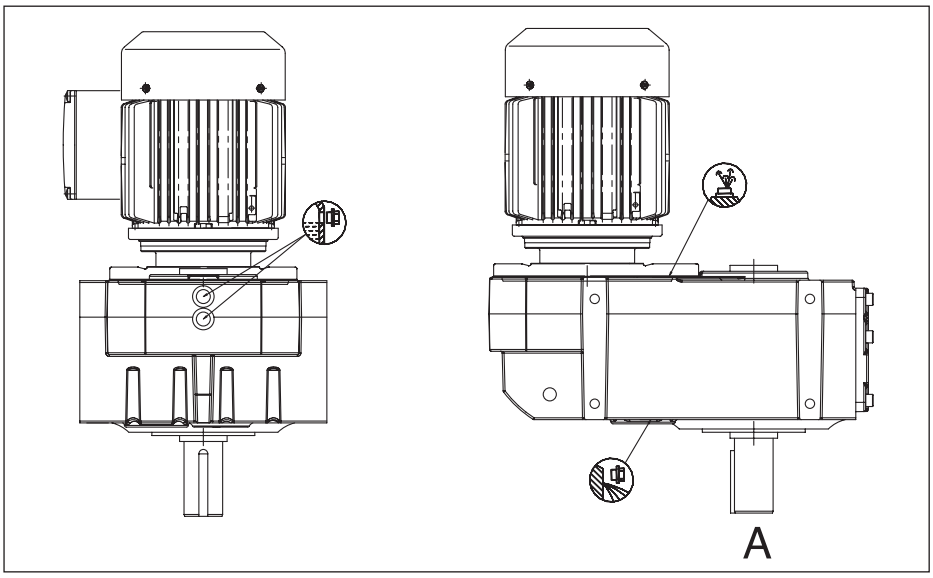
A3



A4

Type	Red. stage	Pints	Liters
MW38	2	3,6	1,7
	3	4,2	2
MW48	2	6,3	3
	3	6,1	2,9
MW68	2	10,1	4,8
	3	13,5	6,4
MW88	2	21,8	10,3
	3	26,6	12,6
MW108	2	31,7	15
	3	39,9	18,9
MW128	2	58,5	27,7
	3	72,9	34,5
MW148	2	90,9	43
	3	101,1	51,6
MW168	2	139,3	65,9
	3	168,4	79,7

A4



* on opposite side
② 2-stage reducers
③ 3-stage reducers
A MSM38 or MW38 is sealed unit and furnished with only one plug (Position A) for the purpose of filling and draining lubricant.

Quantis® reducers
MSM mounting positions

MOTORIZED SHAFT MOUNT C-FACE REDUCERS

These mounting arrangements are for all output configurations and output shaft types. When ordering, please specify mounting position for correct oil quantity. In case of mounting position other than shown here with regard to the oil quantity, please reference the Incline Mounting page 16, and contact Application Engineering.

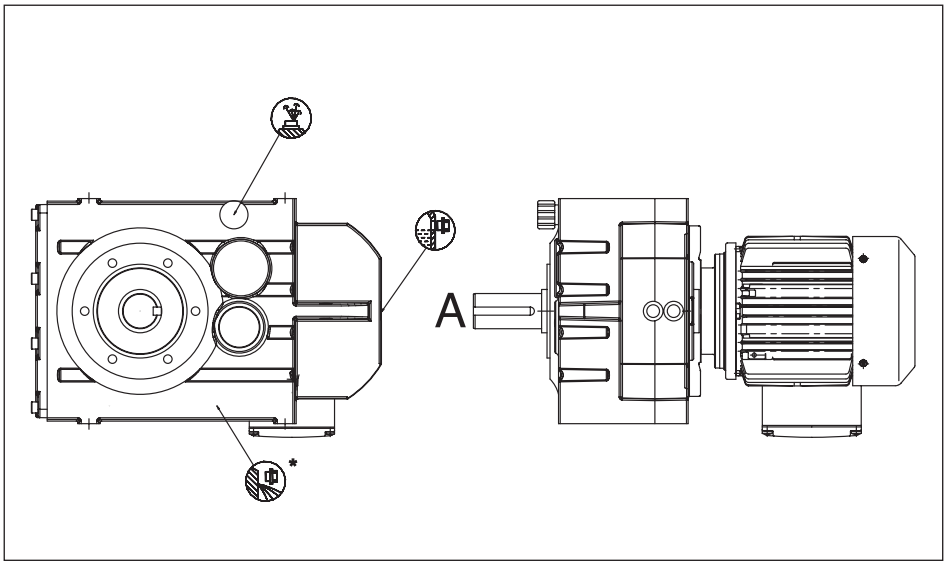
NOTE: The oil volumes shown are approximate values and cannot be used to correctly set the reducer oil level. **ALWAYS** fill the reducer to the correct oil level plug and recheck in 1 week.

Oil level Ventilation Oil drain

A5

Type	Red. stage	Pints	Liters
MW38	2	2,5	1,2
	3	2,5	1,2
MW48	2	3,8	1,8
	3	3,8	1,8
MW68	2	8	3,8
	3	7,8	3,7
MW88	2	16,9	8
	3	16,3	7,7
MW108	2	25,4	12
	3	24,7	11,7
MW128	2	45,6	21,6
	3	45	21,3
MW148	2	67	31,7
	3	65,9	31,2
MW168	2	104	49,2
	3	102,3	48,4

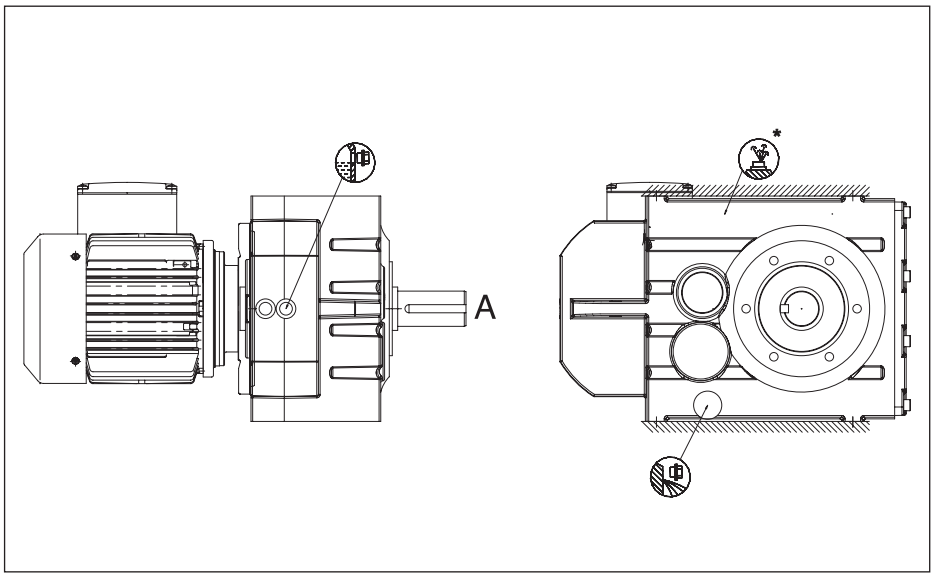
A5



A6

Type	Red. stage	Pints	Liters
MW38	2	2,5	1,2
	3	2,5	1,2
MW48	2	3,8	1,8
	3	3,8	1,8
MW68	2	8	3,8
	3	7,8	3,7
MW88	2	16,9	8
	3	16,3	7,7
MW108	2	25,4	12
	3	24,7	11,7
MW128	2	45,6	21,6
	3	45	21,3
MW148	2	67	31,7
	3	65,9	31,2
MW168	2	104	49,2
	3	102,3	48,4

A6



* on opposite side
② 2-stage reducers
③ 3-stage reducers
A MSM38 or MW38 is sealed unit and furnished with only one plug (Position A) for the purpose of filling and draining lubricant.

Quantis® reducers
Lubrication

MSM Reducers are furnished with oil level, drain and fill plugs. Before starting operations the fill plug must be replaced with the separately supplied breather plug.

Speed reducers are shipped with their lubricant quantity. Therefore the mounting position must be given with the order.

The standard factory filled lubricant is mineral oil ISO 220. The lubricants listed below show alternatives. This is not an exclusive recommendation and equivalent lubricants of other manufacturers can be used.

Do not mix oils of different types or manufacturers under any circumstances.

Lubricant selection table

At ambient temperature °C	Marking according to DIN 51502	Examples of lubricants									
		ARAL	BP	DEA	ESSO	FUCHS	KLÜBER LUBRICATION	Mobil	Shell	Tribol	Optimol
0 ... +40	Oil CLP ISOVG220	Degol BG220	Energol GR-XP220	Falcon CLP220	SPARTAN EP220	Renolin CLP220	Klüberoil GEM 1 220	Mobilgear 630	OMALA OIL 220	TRIBOL 1100 ISO220	Optigear BM220
-15 ... +25	Oil CLP ISOVG100	Degol BG100	Energol GR-XP100	Falcon CLP100	SPARTAN EP100	Renolin CLP100	Klüberoil GEM 1 100	Mobilgear 627	OMALA OIL 100	TRIBOL 1100 ISO100	Optigear BM100
-35 ... +80	Oil PGLP ISOVG220	Degol GS220	Enersyn SG-XP 220	Polydea PGLP220	GLYCOLU BE 220	Renodiol PGP220	Klüber-synth GH 6-220	Glygoyle 30	TIVELA OIL WB	TRIBOL 800/220	Optiflex A220

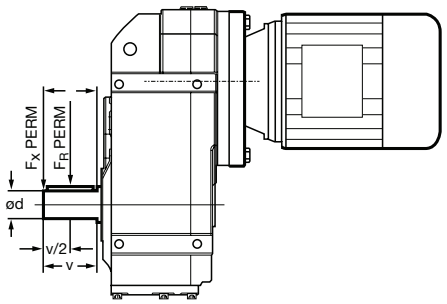
Refer to page 12 for additional lubrication information.

Quantis® reducers

MSM Overhung Loads F_R

Solid output shaft

Permissible Overhung Loads F_R at Service Factor 1.0 for RHB B5 flanged reducers with hollow output shaft*



$F_{R\ perm.}$ [N] for x = v/2 for output speed n_2 in min^{-1} *

Typ(e)	y [mm]	z [mm]	a [mm]	d [mm]	v [mm]	☸	n2 ≤ 16 [min-1]	n2 ≤ 25 [min-1]	n2 ≤ 40 [min-1]	n2 ≤ 63 [min-1]	n2 ≤ 100 [min-1]	n2 ≤ 160 [min-1]	n2 ≤ 250 [min-1]	n2 ≤ 400 [min-1]
MW38	**122**	**97**	**107**	**25**	**50**	ccw/li/g	11156	9799	8549	7517	6610	5422	4497	4404
						cw/re/dr	7651	6289	5057	4030	3140	3131	3016	2994
	132	97	150	35	70	ccw/li/g	10195	8932	7815	6863	6045	4942	4106	4021
						cw/re/dr	7068	5809	4693	3759	2940	2905	2784	2767
MW48	**151**	**121**	**178**	**30**	**60**	ccw/li/g	15808	13891	12125	10493	9154	7455	6205	6085
						cw/re/dr	10969	9043	7308	6196	5048	4884	4559	4515
	161	121	237	40	80	ccw/li/g	14812	13010	11360	9830	8589	6997	5822	5711
						cw/re/dr	10279	8473	6854	5809	4728	4581	4275	4234
MW68	**190**	**150**	**445**	**40**	**80**	ccw/li/g	36047	31839	28036	24780	21898	18490	15795	15497
						cw/re/dr	28823	24669	20799	17574	14723	13713	12717	12592
	200	150	514	50	100	ccw/li/g	32506	30100	26506	23414	20679	17463	14896	14665
						cw/re/dr	27231	23294	19647	16604	13909	12957	12014	11894
MW88	**225**	**175**	**803**	**50**	**100**	ccw/li/g	59452	52451	46028	40668	35548	30028	25785	25345
						cw/re/dr	49302	42354	35975	30544	26346	24308	22089	21844
	245	175	1124	70	140	ccw/li/g	54119	47869	42002	37056	32381	27404	23499	23134
						cw/re/dr	44951	38604	32791	27836	24001	22147	20136	19900
MW108	**262**	**202**	**1450**	**60**	**120**	ccw/li/g	74993	66511	58393	51775	45792	38417	32746	32115
						cw/re/dr	58420	49724	41829	35170	29223	27858	25914	25687
	282	202	1933	80	170	ccw/li/g	69318	61253	53999	47745	42265	35499	30224	29646
						cw/re/dr	53941	45908	38604	32421	26973	25705	23952	23699
MW128	**330**	**260**	**2110**	**70**	**140**	ccw/li/g	124433	110003	96686	85535	74357	62681	53572	52602
						cw/re/dr	97763	83293	70092	59038	51775	48421	44502	44022
	350	260	2713	90	170	ccw/li/g	116836	103243	90899	80344	69811	58776	50356	49431
						cw/re/dr	91816	78240	65875	55511	48639	45490	41802	41353
MW148	**398**	**308**	**4595**	**90**	**170**	ccw/li/g	126661	112312	98892	87683	74740	62957	53879	8473
						cw/re/dr	94133	79784	66498	55404	51237	48181	44320	43857
	400	308	4605	100	210	ccw/li/g	123241	109243	96415	85379	72809	61378	52482	51481
						cw/re/dr	91651	77671	64745	53932	49858	46851	43141	42701
MW168	**472**	**362**	**9900**	**110**	**210**	ccw/li/g	188729	166831	146611	129784	111809	94115	80825	79321
						cw/re/dr	146913	125242	105351	88560	79606	74073	67783	67031
	482	362	7192	120	210	ccw/li/g	184396	162944	143399	126946	109136	92171	78854	77542
						cw/re/dr	143613	122418	102989	86527	77836	72418	66257	65528

☸ Sense of rotation (with view on output shaft)
ccw = counter clockwise cw = clockwise

bold = standard shaft

Heavy duty bearings are standard on size 68 and above. Heavy duty bearings are not available for sizes 38 and 48.

Permissible Overhung Loads (OHL) at Service Factor 1.0

1. Calculation based on bearing life

$$F_{x\ perm.1} = F_{R\ perm.} \frac{y}{z + x} \quad [N]$$

2. Calculation based on shaft strength

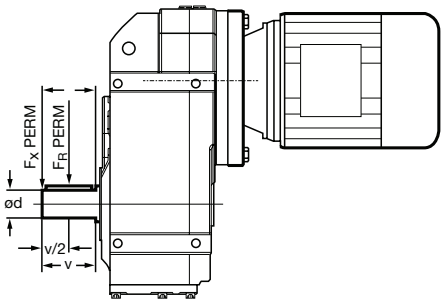
$$F_{x\ perm.2} = \frac{a}{b + x} \quad [kN]$$

The lower $F_{x\ perm.}$ of the two calculation results is the permissible overhung load. If values on tables are not sufficient for requirement, please consult Application Engineering. Higher overhung loads are permitted under certain load conditions. The dimension x is the distance from the shaft shoulder to the point where the load ($F_{x\ perm.}$) is applied.

Quantis® reducers

Overhung Loads F_R

Hollow output shaft



$F_{R\ perm.}$ [N] for x = v/2 for output speed n_2 in min^{-1} *

Typ(e)	y [mm]	z [mm]	a [mm]	d [mm]	v [mm]	⎈	n2 ≤ 16 [min-1]	n2 ≤ 25 [min-1]	n2 ≤ 40 [min-1]	n2 ≤ 63 [min-1]	n2 ≤ 100 [min-1]	n2 ≤ 160 [min-1]	n2 ≤ 250 [min-1]	n2 ≤ 400 [min-1]
MW38	**132**	**97**	**30**	**70**	**50**	ccw/li/g	10586	9301	8109	7139	6281	5142	4257	4172
						cw/re/dr	7264	5960	4795	3825	2980	2962	2860	2842
MW48	**151**	**121**	**35**	**70**	**60**	ccw/li/g	15297	13437	11743	10164	8852	7219	6014	5885
						cw/re/dr	10631	8754	7086	5996	4888	4728	4412	4372
MW68	**190**	**150**	**40**	**80**	**80**	ccw/li/g	18143	15951	13678	12294	10835	8878	7317	7166
						cw/re/dr	10889	8723	6770	5146	3741	4106	4243	4234
	200	150	45	100	100	ccw/li/g	18348	16111	14105	12405	10911	8954	7393	7219
						cw/re/dr	10973	8798	6828	5191	3772	4141	4279	4270
MW68 (HD)	**190**	**150**	**40**	**80**	**80**	ccw/li/g	36500	32208	28334	25042	22115	18717	15946	15648
						cw/re/dr	29152	24940	21061	17770	14887	13864	12859	12730
	200	150	45	100	100	ccw/li/g	36834	32546	28627	25309	22316	18864	16120	15826
						cw/re/dr	29415	25158	21253	17934	15021	13993	12979	12850
MW88	**225**	**175**	**50**	**100**	**100**	ccw/li/g	27880	24482	21408	18886	16338	13304	15483	10786
						cw/re/dr	16991	13664	10644	8153	6605	7135	7041	7010
	245	175	60	140	140	ccw/li/g	27591	24655	21591	19020	16440	13393	11111	10858
						cw/re/dr	17098	13758	10715	8211	6654	7188	7090	7059
MW88 (HD)	**225**	**175**	**50**	**100**	**100**	ccw/li/g	59212	52273	45868	40472	35366	29957	25678	25282
						cw/re/dr	49110	42185	35842	30429	26252	24219	22000	21764
	245	175	60	140	140	ccw/li/g	59732	52655	46175	40828	35717	30171	25861	25469
						cw/re/dr	5008	42501	36104	30713	26448	24393	22173	21915
MW108	**272**	**202**	**60**	**140**	**120**	ccw/li/g	74900	66311	58336	51610	45774	38386	32702	32070
						cw/re/dr	58340	5191	41771	35130	29188	27809	25892	25647
	287	202	70	170	170	ccw/li/g	61084	65804	57975	51294	45436	38173	32479	22956
						cw/re/dr	57975	49359	41500	34899	29001	40971	25723	25474
MW128	**345**	**260**	**70**	**170**	**140**	ccw/li/g	124486	110039	96713	85580	74379	62699	53590	52615
						cw/re/dr	97714	83351	70136	59069	51788	48443	44520	44040
	345	260	80	170	170	ccw/li/g	122551	108211	95249	84227	73285	61640	52776	51873
						cw/re/dr	96224	82150	69086	58198	51014	47714	43857	43377
MW148	**393**	**308**	**80**	**170**	**170**	ccw/li/g	125923	111663	98296	87305	74460	62588	53563	52638
						cw/re/dr	93599	79330	66137	55088	50903	47847	44071	43613
	413	308	90	210	210	ccw/li/g	127618	113175	99640	88368	753247	63451	54301	53367
						cw/re/dr	94831	80371	66991	55818	51615	48523	44636	44173
MW168	**467**	**362**	**100**	**210**	**210**	ccw/li/g	192412	170069	149533	132466	113882	96081	82395	81025
						cw/re/dr	150040	127707	107433	90392	81167	75545	69122	68361
	467	362	110	210	210	ccw/li/g	192901	170492	150325	132942	114331	96468	82697	81332
						cw/re/dr	150587	128196	107837	90606	81483	75825	69389	68624

⎈ Sense of rotation (with view on output shaft)
ccw = counter clockwise cw = clockwise

bold = standard shaft

Heavy duty bearing option: for sizes 68 and 88 with hollow bore only. Size 38 and 48 have no heavy duty option.
Sizes 108, 128, 148 and 168 have heavy duty bearings as standard.

Permissible Overhung Loads (OHL) at Service Factor 1.0

1. Calculation based on bearing life

$$F_{x\ perm.1} = F_{R\ perm.} \frac{y}{z + x} \quad [N]$$

2. Calculation based on shaft strength

$$F_{x\ perm.2} = \frac{a}{b + x} \quad [kN]$$

The lower $F_{x\ perm.}$ of the two calculation results is the permissible overhung load. If values on tables are not sufficient for requirement, please consult Application Engineering. Higher overhung loads are permitted under certain load conditions. The dimension x is the distance from the shaft shoulder to the point where the load ($F_{x\ perm.}$) is applied.

Quantis® reducers
MSM B5 flanged gearmotor selection

P_{Mot} = Rated Power of Motor
$n_{2(50)}$ = Output speed at 1450 RPM (50Hz)
$n_{2(60)}$ = Output speed at 1750 RPM (60Hz)
(i) = Ratio of gear
F_R = Overhung Load *
T_2 = Output torque
ST = Gear Stage
f_B = Service Factor

* For standard shaft diameters; for optional shaft diameters see page 190-191.

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	**$n_{2(50)}$ [1/min^{-1}]**	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
0,18 (50 Hz)	**148**	179	9,80	3016	11,2	2	6,94	MW382_I71D
0,22 (60 Hz)	**127**	154	11,39	3132	13,1	2	6,94	
	115	138	12,64	3132	14,5	2	6,94	
	105	127	13,76	3132	15,8	2	6,94	
	94	114	15,39	3132	17,6	2	6,94	
	86	104	16,83	3132	19,3	2	6,94	
	79	95	18,47	3140	21,2	2	6,94	
	71	86	20,37	3140	23,3	2	6,80	
	64	78	22,58	3140	25,9	2	6,32	
	57	68	25,58	4030	29,3	2	5,73	
	51	62	28,22	4030	32,3	2	5,32	
	45	55	31,91	4030	36,6	2	4,84	
	40	48	36,43	4030	41,8	2	4,33	
	38	46	38,19	4030	43,8	2	5,05	
	33	40	43,43	4030	49,8	2	4,57	
	29	35	49,56	4280	56,8	2	4,12	
	26	31	55,84	4280	64,0	2	3,74	
	23	28	62,40	4280	71,5	2	3,40	
	20,4	25	71,18	4280	81,6	2	3,06	
	18,1	22	80,17	4280	91,9	2	2,75	
	36	44	40,04	4030	45,9	3	6,94	MW383_I71D
	33	40	44,05	4280	50,5	3	6,32	
	28	34	51,16	4280	58,6	3	5,46	
	26	32	55,40	4280	63,5	3	5,01	
	23	28	62,66	4280	71,8	3	4,43	
	21	25	68,86	4280	78,9	3	4,05	
	19,1	23	75,95	4280	87,0	3	3,67	
	17,2	21	84,13	4280	96,4	3	3,30	
	15,5	19	93,67	4280	107,3	3	2,99	
	13,5	16	107,49	4280	123,2	3	2,58	
	12,2	15	118,98	4280	136,4	3	2,34	
	10,7	13	135,32	4280	155,1	3	2,06	
	9,4	11	154,43	4280	177,0	3	1,82	
	8,3	10	173,99	4280	199,4	3	1,61	
	7,5	9	194,43	4280	222,8	3	1,44	
	6,5	8	221,77	4280	254,1	3	1,27	
	5,8	7	249,78	4280	286,3	3	1,10	
	115	139	12,59	4884	14,4	2	6,94	MW482_I71D
	103	124	14,11	4884	16,2	2	6,94	
	94	114	15,41	4884	17,7	2	6,94	
	87	105	16,63	4884	19,1	2	6,94	
	75	90	19,34	5049	22,9	2	6,94	
	68	82	21,46	5049	24,6	2	6,94	
	62	75	23,37	5049	26,8	2	6,94	
	55	67	26,14	5049	29,9	2	6,94	
	51	61	28,58	5933	32,7	2	6,94	
	46	56	31,36	5933	35,9	2	6,94	
	42	51	34,58	5933	39,6	2	6,80	
	38	46	38,33	5933	43,9	2	6,32	
	33	40	43,43	5933	49,7	2	5,73	
	30	37	47,92	5933	54,9	2	5,32	
	27	32	54,17	5933	62,1	2	4,84	
	23	28	61,86	5933	70,9	2	4,33	
	21	25	70,33	5933	80,6	2	3,88	
	19,3	23	75,27	5933	86,2	2	3,67	
	16,7	20	86,77	5933	99,4	2	2,58	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	35	43	40,99	5933	47,0	3	6,94	MW483_I71D
	30	37	47,66	5933	54,6	3	6,94	
	27	33	52,88	5933	60,6	3	6,94	
	25	30	57,59	5933	66,0	3	6,94	
	23	27	64,41	5933	73,8	3	6,94	
	21	25	70,42	5933	80,7	3	6,46	
	18,8	23	77,29	5933	88,5	3	5,91	
	17	21	85,22	5933	97,6	3	5,36	
	15,4	19	94,46	5933	108,2	3	4,81	
	13,5	16	107,02	5933	122,6	3	4,26	
	12,3	15	118,08	5933	135,3	3	3,85	
	10,9	13	133,50	5933	152,9	3	3,40	
	9,5	12	152,43	5933	174,6	3	2,99	
	8,4	10	173,31	5933	198,6	3	2,64	
	7,8	9	185,49	5933	212,5	3	2,47	
	6,8	8	213,83	5933	245,0	3	2,13	
	99	120	14,59	11121	16,7	2	6,94	MW682_I71D
	89	107	16,28	11121	18,7	2	6,94	
	82	99	17,64	11121	20,2	2	6,94	
	73	88	19,99	11121	22,9	2	6,94	
	67	81	21,54	11121	24,7	2	6,94	
	62	75	23,29	11121	26,7	2	6,94	
	54	65	26,75	11121	30,6	2	6,94	
	49	60	29,37	11121	33,6	2	6,94	
	45	54	32,34	11121	37,0	2	6,94	
	41	50	35,10	11121	40,2	2	6,94	
	38	46	38,25	11121	43,8	2	6,94	
	35	42	41,89	11121	48,0	2	6,73	
	31	38	46,14	11121	52,9	2	6,25	
	27	33	53,07	11121	60,8	2	5,60	
	25	30	57,49	11121	65,9	2	5,25	
	23	28	63,54	11121	72,8	2	4,81	
	19,6	24	74,13	11121	84,9	2	4,22	
	17,6	21	82,52	11121	94,5	2	3,85	
	24	30	59,29	11121	67,9	3	6,94	MW683_I71D
	22	26	66,45	11121	76,1	3	6,94	
	20	24	72,54	11121	83,1	3	6,94	
	18,2	22	79,63	11121	91,2	3	6,94	
	16,5	20	87,68	11121	100,4	3	6,94	
	15,2	18	95,16	11121	109,0	3	6,94	
	14	17	103,72	11121	118,8	3	6,94	
	12,8	15	113,59	11121	130,1	3	6,73	
	11,6	14	125,11	11121	143,3	3	6,25	
	10,1	12	143,88	11121	164,8	3	5,60	
	9,3	11	155,87	11121	178,6	3	5,22	
	8,4	10	172,28	11121	197,4	3	4,81	
	7,2	9	200,99	11121	230,3	3	4,19	
	6,5	8	223,74	11121	256,3	3	3,78	
	16,6	20	87,25	16063	100,0	3	6,94	MW883_I71D
	14,9	18	97,39	16063	111,6	3	6,94	
	13,7	17	105,48	16063	120,8	3	6,94	
	12,1	15	119,55	16063	137,0	3	6,94	
	11,3	14	128,79	16063	147,5	3	6,94	
	10,4	13	139,26	16063	159,5	3	6,83	
	9,6	12	151,22	16063	173,2	3	6,39	
	8,7	11	167,20	16063	191,5	3	5,91	
	8	10	181,13	16063	207,5	3	5,53	
	7,1	9	204,11	16063	233,8	3	5,01	
	6,5	8	223,47	16063	256,0	3	4,64	
	5,8	7	248,92	16063	285,2	3	4,22	
	5,1	6	284,63	16063	326,1	3	3,74	
	4,6	6	315,64	16063	361,6	3	3,43	
	4,1	5	350,03	16063	401,0	3	3,12	
0,25 (50 Hz)	**148**	179	9,80	3016	15,6	2	4,99	MW382_I71D
0,30 (60 Hz)	**127**	154	11,39	3132	18,1	2	4,99	
	115	138	12,64	3132	20,1	2	4,99	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	105	127	13,76	3132	21,9	2	4,99	
	94	114	15,39	3132	24,5	2	4,99	
	86	104	16,83	3132	26,8	2	4,99	
	79	95	18,47	3140	29,4	2	4,99	
	71	86	20,37	3140	32,4	2	4,90	
	64	78	22,58	3140	35,9	2	4,55	
	57	68	25,58	4030	40,7	2	4,13	
	51	62	28,22	4030	44,9	2	3,83	
	45	55	31,91	4030	50,8	2	3,49	
	40	48	36,43	4030	58,0	2	3,12	
	38	46	38,19	4030	60,8	2	3,63	
	33	40	43,43	4030	69,1	2	3,29	
	29	35	49,56	4280	78,9	2	2,97	
	26	31	55,84	4280	88,9	2	2,69	
	23	28	62,40	4280	99,3	2	2,45	
	20,4	25	71,18	4280	113,3	2	2,20	
	18,1	22	80,17	4280	127,6	2	1,98	
	36	44	40,04	4030	63,7	3	4,99	MW383_I71D
	33	40	44,05	4280	70,1	3	4,55	
	28	34	51,16	4280	81,4	3	3,93	
	26	32	55,40	4280	88,2	3	3,61	
	23	28	62,66	4280	99,7	3	3,19	
	21	25	68,86	4280	109,6	3	2,92	
	19,1	23	75,95	4280	120,9	3	2,65	
	17,2	21	84,13	4280	133,9	3	2,37	
	15,5	19	93,67	4280	149,1	3	2,15	
	13,5	16	107,49	4280	171,1	3	1,85	
	12,2	15	118,98	4280	189,4	3	1,68	
	10,7	13	135,32	4280	215,4	3	1,48	
	9,4	11	154,43	4280	245,8	3	1,31	
	8,3	10	173,99	4280	276,9	3	1,16	
	7,5	9	194,43	4280	309,5	3	1,04	
	115	139	12,59	4884	20,0	2	4,99	MW482_I71D
	103	124	14,11	4884	22,4	2	4,99	
	94	114	15,41	4884	24,5	2	4,99	
	87	105	16,63	4884	26,5	2	4,99	
	75	90	19,34	5049	30,8	2	4,99	
	68	82	21,46	5049	34,1	2	4,99	
	62	75	23,37	5049	37,2	2	4,99	
	55	67	26,14	5049	41,6	2	4,99	
	51	61	28,58	5933	45,4	2	4,99	
	46	56	31,36	5933	49,9	2	4,99	
	42	51	34,58	5933	55,0	2	4,90	
	38	46	38,33	5933	61,0	2	4,55	
	33	40	43,43	5933	69,1	2	4,13	
	30	37	47,92	5933	76,2	2	3,83	
	27	32	54,17	5933	86,2	2	3,49	
	23	28	61,86	5933	98,4	2	3,12	
	21	25	70,33	5933	111,9	2	2,79	
	19,3	23	75,27	5933	119,7	2	2,65	
	16,7	20	86,77	5933	138,0	2	1,85	
	35	43	40,99	5933	65,2	3	4,99	MW483_I71D
	30	37	47,66	5933	75,8	3	4,99	
	27	33	52,88	5933	84,1	3	4,99	
	25	30	57,59	5933	91,6	3	4,99	
	23	27	64,41	5933	102,4	3	4,99	
	21	25	70,42	5933	112,0	3	4,65	
	18,8	23	77,29	5933	122,9	3	4,25	
	17	21	85,22	5933	135,5	3	3,86	
	15,4	19	94,46	5933	150,2	3	3,46	
	13,5	16	107,02	5933	170,2	3	3,07	
	12,3	15	118,08	5933	187,8	3	2,77	
	10,9	13	133,50	5933	212,3	3	2,45	
	9,5	12	152,43	5933	242,4	3	2,15	
	8,4	10	173,31	5933	275,7	3	1,90	
	7,8	9	185,49	5933	295,0	3	1,78	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	6,8	8	213,83	5933	340,1	3	1,53	
	99	120	14,59	11121	23,2	2	4,99	MW682_I71D
	89	107	16,28	11121	25,9	2	4,99	
	82	99	17,64	11121	28,1	2	4,99	
	73	88	19,99	11121	31,8	2	4,99	
	67	81	21,54	11121	34,3	2	4,99	
	62	75	23,29	11121	37,0	2	4,99	
	54	65	26,75	11121	42,5	2	4,99	
	49	60	29,37	11121	46,7	2	4,99	
	45	54	32,34	11121	51,4	2	4,99	
	41	50	35,10	11121	55,8	2	4,99	
	38	46	38,25	11121	60,8	2	4,99	
	35	42	41,89	11121	66,6	2	4,85	
	31	38	46,14	11121	73,4	2	4,50	
	27	33	53,07	11121	84,4	2	4,03	
	25	30	57,49	11121	91,4	2	3,78	
	23	28	63,54	11121	101,1	2	3,46	
	19,6	24	74,13	11121	117,9	2	3,04	
	17,6	21	82,52	11121	131,2	2	2,77	
	24	30	59,29	11121	94,3	3	4,99	MW683_I71D
	22	26	66,45	11121	105,7	3	4,99	
	20	24	72,54	11121	115,4	3	4,99	
	18,2	22	79,63	11121	126,6	3	4,99	
	16,5	20	87,68	11121	139,4	3	4,99	
	15,2	18	95,16	11121	151,4	3	4,99	
	14	17	103,72	11121	165,0	3	4,99	
	12,8	15	113,59	11121	180,7	3	4,85	
	11,6	14	125,11	11121	199,0	3	4,50	
	10,1	12	143,88	11121	228,8	3	4,03	
	9,3	11	155,87	11121	247,9	3	3,76	
	8,4	10	172,28	11121	274,0	3	3,46	
	7,2	9	200,99	11121	319,7	3	3,02	
	6,5	8	223,74	11121	355,9	3	2,72	
	16,6	20	87,25	16063	138,8	3	4,99	MW883_I71D
	14,9	18	97,39	16063	154,9	3	4,99	
	13,7	17	105,48	16063	167,8	3	4,99	
	12,1	15	119,55	16063	190,1	3	4,99	
	11,3	14	128,79	16063	204,8	3	4,99	
	10,4	13	139,26	16063	221,5	3	4,92	
	9,6	12	151,22	16063	240,5	3	4,60	
	8,7	11	167,20	16063	265,9	3	4,25	
	8	10	181,13	16063	288,1	3	3,98	
	7,1	9	204,11	16063	324,6	3	3,61	
	6,5	8	223,47	16063	355,4	3	3,34	
	5,8	7	248,92	16063	395,9	3	3,04	
	5,1	6	284,63	16063	452,7	3	2,69	
	4,6	6	315,64	16063	502,0	3	2,47	
	4,1	5	350,03	16063	556,7	3	2,25	
0,37 (50 Hz)	**148**	179	9,80	3016	23,1	2	3,37	MW382_I71D
0,44 (60 Hz)	**127**	154	11,39	3132	26,8	2	3,37	
	115	138	12,64	3132	29,8	2	3,37	
	105	127	13,76	3132	32,4	2	3,37	
	94	114	15,39	3132	36,3	2	3,37	
	86	104	16,83	3132	39,6	2	3,37	
	79	95	18,47	3140	43,5	2	3,37	
	71	86	20,37	3140	48,0	2	3,31	
	64	78	22,58	3140	53,2	2	3,07	
	57	68	25,58	4030	60,3	2	2,79	
	51	62	28,22	4030	66,5	2	2,59	
	45	55	31,91	4030	75,2	2	2,36	
	40	48	36,43	4030	85,8	2	2,10	
	38	46	38,19	4030	90,0	2	2,46	
	33	40	43,43	4030	102,3	2	2,22	
	29	35	49,56	4280	116,8	2	2,00	
	26	31	55,84	4280	131,5	2	1,82	
	23	28	62,40	4280	147,0	2	1,65	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	20,4	25	71,18	4280	167,7	2	1,49	
	18,1	22	80,17	4280	188,8	2	1,34	
	36	44	40,04	4030	94,3	3	3,37	MW383_I71D
	33	40	44,05	4280	103,8	3	3,07	
	28	34	51,16	4280	120,5	3	2,66	
	26	32	55,40	4280	130,5	3	2,44	
	23	28	62,66	4280	147,6	3	2,16	
	21	25	68,86	4280	162,2	3	1,97	
	19,1	23	75,95	4280	178,9	3	1,79	
	17,2	21	84,13	4280	198,2	3	1,60	
	15,5	19	93,67	4280	220,6	3	1,45	
	13,5	16	107,49	4280	253,2	3	1,25	
	12,2	15	118,98	4280	280,3	3	1,14	
	10,7	13	135,32	4280	318,8	3	1,00	
	115	139	12,59	4884	29,7	2	3,37	MW482_I71D
	103	124	14,11	4884	33,2	2	3,37	
	94	114	15,41	4884	36,3	2	3,37	
	87	105	16,63	4884	39,2	2	3,37	
	75	90	19,34	5049	45,6	2	3,37	
	68	82	21,46	5049	50,6	2	3,37	
	62	75	23,37	5049	55,0	2	3,37	
	55	67	26,14	5049	61,6	2	3,37	
	51	61	28,58	5933	67,3	2	3,37	
	46	56	31,36	5933	73,9	2	3,37	
	42	51	34,58	5933	81,5	2	3,31	
	38	46	38,33	5933	90,3	2	3,07	
	33	40	43,43	5933	102,3	2	2,79	
	30	37	47,92	5933	112,9	2	2,59	
	27	32	54,17	5933	127,6	2	2,36	
	23	28	61,86	5933	145,7	2	2,10	
	21	25	70,33	5933	165,7	2	1,89	
	19,3	23	75,27	5933	177,3	2	1,79	
	16,7	20	86,77	5933	204,4	2	1,25	
	35	43	40,99	5933	96,5	3	3,37	MW483_I71D
	30	37	47,66	5933	112,3	3	3,37	
	27	33	52,88	5933	124,6	3	3,37	
	25	30	57,59	5933	135,7	3	3,37	
	23	27	64,41	5933	151,7	3	3,37	
	21	25	70,42	5933	165,9	3	3,14	
	18,8	23	77,29	5933	182,1	3	2,87	
	17	21	85,22	5933	200,7	3	2,61	
	15,4	19	94,46	5933	222,5	3	2,34	
	13,5	16	107,02	5933	252,1	3	2,07	
	12,3	15	118,08	5933	278,2	3	1,87	
	10,9	13	133,50	5933	314,5	3	1,65	
	9,5	12	152,43	5933	359,1	3	1,45	
	8,4	10	173,31	5933	408,3	3	1,29	
	7,8	9	185,49	5933	437,0	3	1,20	
	6,8	8	213,83	5933	503,7	3	1,04	
	99	120	14,59	11121	34,4	2	3,37	MW682_I71D
	89	107	16,28	11121	38,4	2	3,37	
	82	99	17,64	11121	41,5	2	3,37	
	73	88	19,99	11121	47,1	2	3,37	
	67	81	21,54	11121	50,7	2	3,37	
	62	75	23,29	11121	54,9	2	3,37	
	54	65	26,75	11121	63,0	2	3,37	
	49	60	29,37	11121	69,2	2	3,37	
	45	54	32,34	11121	76,2	2	3,37	
	41	50	35,10	11121	82,7	2	3,37	
	38	46	38,25	11121	90,1	2	3,37	
	35	42	41,89	11121	98,7	2	3,27	
	31	38	46,14	11121	108,7	2	3,04	
	27	33	53,07	11121	125,0	2	2,72	
	25	30	57,49	11121	135,4	2	2,56	
	23	28	63,54	11121	149,7	2	2,34	
	19,6	24	74,13	11121	174,6	2	2,05	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	17,6	21	82,52	11121	194,4	2	1,87	
	24	30	59,29	11121	139,7	3	3,37	MW683_I71D
	22	26	66,45	11121	156,5	3	3,37	
	20	24	72,54	11121	170,9	3	3,37	
	18,2	22	79,63	11121	187,6	3	3,37	
	16,5	20	87,68	11121	206,5	3	3,37	
	15,2	18	95,16	11121	224,2	3	3,37	
	14	17	103,72	11121	244,3	3	3,37	
	12,8	15	113,59	11121	267,6	3	3,27	
	11,6	14	125,11	11121	294,7	3	3,04	
	10,1	12	143,88	11121	338,9	3	2,72	
	9,3	11	155,87	11121	367,2	3	2,54	
	8,4	10	172,28	11121	405,8	3	2,34	
	7,2	9	200,99	11121	473,5	3	2,04	
	6,5	8	223,74	11121	527,1	3	1,84	
	16,6	20	87,25	16063	212,6	3	3,37	MW883_I71D
	14,9	18	97,39	16063	237,3	3	3,37	
	13,7	17	105,48	16063	257,0	3	3,37	
	12,1	15	119,55	16063	291,3	3	3,37	
	11,3	14	128,79	16063	313,8	3	3,37	
	10,4	13	139,26	16063	339,4	3	3,32	
	9,6	12	151,22	16063	368,5	3	3,11	
	8,7	11	167,20	16063	407,4	3	2,87	
	8	10	181,13	16063	441,4	3	2,69	
	7,1	9	204,11	16063	497,4	3	2,44	
	6,5	8	223,47	16063	544,6	3	2,26	
	5,8	7	248,92	16063	606,6	3	2,05	
	5,1	6	284,63	16063	693,6	3	1,82	
	4,6	6	315,64	16063	769,2	3	1,67	
	4,1	5	350,03	16063	853,0	3	1,52	
0,55 (50 Hz)	**148**	179	9,80	3016	34,3	2	2,76	MW382_I80D
0,66 (60 Hz)	**127**	154	11,39	3132	39,9	2	2,76	
	115	138	12,64	3132	44,3	2	2,76	
	105	127	13,76	3132	48,2	2	2,76	
	94	114	15,39	3132	53,9	2	2,76	
	86	104	16,83	3132	58,9	2	2,76	
	79	95	18,47	3140	64,7	2	2,76	
	71	86	20,37	3140	71,3	2	2,76	
	64	78	22,58	3140	79,1	2	2,76	
	57	68	25,58	4030	89,6	2	2,76	
	51	62	28,22	4030	98,8	2	2,66	
	45	55	31,91	4030	111,7	2	2,48	
	40	48	36,43	4030	127,6	2	2,28	
	38	46	38,19	4030	133,7	2	2,17	
	33	40	43,43	4030	152,1	2	1,91	
	29	35	49,56	4280	173,5	2	1,67	
	26	31	55,84	4280	195,5	2	1,48	
	23	28	62,40	4280	218,5	2	1,33	
	20,4	25	71,18	4280	249,2	2	1,17	
	36	44	40,04	4030	140,2	3	2,28	MW383_I80D
	33	40	44,05	4280	154,2	3	2,07	
	28	34	51,16	4280	179,1	3	1,79	
	26	32	55,40	4280	194,0	3	1,64	
	23	28	62,66	4280	219,4	3	1,45	
	21	25	68,86	4280	241,1	3	1,33	
	19,1	23	75,95	4280	265,9	3	1,20	
	17,2	21	84,13	4280	294,6	3	1,08	
	182	220	7,95	4559	27,8	2	2,76	MW482_I80D
	152	183	9,55	4559	33,4	2	2,76	
	129	156	11,24	4884	39,4	2	2,76	
	115	139	12,59	4884	44,1	2	2,76	
	103	124	14,11	4884	49,4	2	2,76	
	94	114	15,41	4884	53,9	2	2,76	
	87	105	16,63	4884	58,2	2	2,76	
	75	90	19,34	5049	67,7	2	2,76	
	68	82	21,46	5049	75,1	2	2,76	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	62	75	23,37	5049	81,8	2	2,76	
	55	67	26,14	5049	91,5	2	2,76	
	51	61	28,58	5933	100,1	2	2,76	
	46	56	31,36	5933	109,8	2	2,76	
	42	51	34,58	5933	121,1	2	2,76	
	38	46	38,33	5933	134,2	2	2,76	
	33	40	43,43	5933	152,1	2	2,76	
	30	37	47,92	5933	167,8	2	2,66	
	27	32	54,17	5933	189,7	2	2,45	
	23	28	61,86	5933	216,6	2	2,15	
	21	25	70,33	5933	246,3	2	1,89	
	19,3	23	75,27	5933	263,6	2	1,76	
	16,7	20	86,77	5933	303,8	2	1,52	
	35	43	40,99	5933	143,5	3	2,76	MW483_I80D
	30	37	47,66	5933	166,9	3	2,76	
	27	33	52,88	5933	185,2	3	2,69	
	25	30	57,59	5933	201,6	3	2,54	
	23	27	64,41	5933	225,5	3	2,32	
	21	25	70,42	5933	246,6	3	2,11	
	18,8	23	77,29	5933	270,6	3	1,93	
	17	21	85,22	5933	298,4	3	1,75	
	15,4	19	94,46	5933	330,8	3	1,57	
	13,5	16	107,02	5933	374,7	3	1,39	
	12,3	15	118,08	5933	413,4	3	1,26	
	10,9	13	133,50	5933	467,4	3	1,11	
	151	182	9,63	11121	33,7	2	2,76	MW682_I80D
	128	155	11,29	11121	39,5	2	2,76	
	108	130	13,45	11121	47,1	2	2,76	
	99	120	14,59	11121	51,1	2	2,76	
	89	107	16,28	11121	57,0	2	2,76	
	82	99	17,64	11121	61,8	2	2,76	
	73	88	19,99	11121	70,0	2	2,76	
	67	81	21,54	11121	75,4	2	2,76	
	62	75	23,29	11121	81,5	2	2,76	
	54	65	26,75	11121	93,7	2	2,76	
	49	60	29,37	11121	102,8	2	2,76	
	45	54	32,34	11121	113,2	2	2,76	
	41	50	35,10	11121	122,9	2	2,76	
	38	46	38,25	11121	133,9	2	2,76	
	35	42	41,89	11121	146,7	2	2,76	
	31	38	46,14	11121	161,6	2	2,76	
	27	33	53,07	11121	185,8	2	2,76	
	25	30	57,49	11121	201,3	2	2,76	
	23	28	63,54	11121	222,5	2	2,76	
	19,6	24	74,13	11121	259,6	2	2,76	
	17,6	21	82,52	11121	288,9	2	2,71	
	39	47	37,41	11121	131,0	3	2,76	MW683_I80D
	32	39	44,94	11121	157,4	3	2,76	
	27	33	52,91	11121	185,3	3	2,76	
	24	30	59,29	11121	207,6	3	2,76	
	22	26	66,45	11121	232,7	3	2,76	
	20	24	72,54	11121	254,0	3	2,76	
	18,2	22	79,63	11121	278,8	3	2,76	
	16,5	20	87,68	11121	307,0	3	2,76	
	15,2	18	95,16	11121	333,2	3	2,76	
	14	17	103,72	11121	363,2	3	2,66	
	12,8	15	113,59	11121	397,7	3	2,43	
	11,6	14	125,11	11121	438,1	3	2,20	
	10,1	12	143,88	11121	503,8	3	1,92	
	9,3	11	155,87	11121	545,8	3	1,78	
	8,4	10	172,28	11121	603,2	3	1,61	
	7,2	9	200,99	11121	703,8	3	1,37	
	6,5	8	223,74	11121	783,4	3	1,24	
	25	30	57,59	16063	201,6	3	2,76	MW883_I80D
	21	26	67,50	16063	236,4	3	2,76	
	18	22	80,45	16063	281,7	3	2,76	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	16,6	20	87,25	16063	305,5	3	2,76	
	14,9	18	97,39	16063	341,0	3	2,76	
	13,7	17	105,48	16063	369,3	3	2,76	
	12,1	15	119,55	16063	418,6	3	2,76	
	11,3	14	128,79	16063	450,9	3	2,76	
	10,4	13	139,26	16063	487,6	3	2,76	
	9,6	12	151,22	16063	529,5	3	2,76	
	8,7	11	167,20	16063	585,4	3	2,76	
	8	10	181,13	16063	634,2	3	2,76	
	7,1	9	204,11	16063	714,7	3	2,57	
	6,5	8	223,47	16063	782,5	3	2,35	
	5,8	7	248,92	16063	871,6	3	2,11	
	5,1	6	284,63	16063	996,6	3	1,84	
	4,6	6	315,64	16063	1105,2	3	1,66	
	4,1	5	350,03	16063	1225,6	3	1,49	
0,75 (50 Hz)	**148**	179	9,80	3016	46,8	2	2,03	MW382_I80D
0,90 (60 Hz)	**127**	154	11,39	3132	54,4	2	2,03	
	115	138	12,64	3132	60,4	2	2,03	
	105	127	13,76	3132	65,7	2	2,03	
	94	114	15,39	3132	73,5	2	2,03	
	86	104	16,83	3132	80,4	2	2,03	
	79	95	18,47	3140	88,2	2	2,03	
	71	86	20,37	3140	97,3	2	2,03	
	64	78	22,58	3140	107,8	2	2,03	
	57	68	25,58	4030	122,1	2	2,03	
	51	62	28,22	4030	134,8	2	1,95	
	45	55	31,91	4030	152,4	2	1,82	
	40	48	36,43	4030	174,0	2	1,67	
	38	46	38,19	4030	182,3	2	1,59	
	33	40	43,43	4030	207,4	2	1,40	
	29	35	49,56	4280	236,7	2	1,23	
	26	31	55,84	4280	266,6	2	1,09	
	36	44	40,04	4030	191,2	3	1,67	MW383_I80D
	33	40	44,05	4280	210,3	3	1,52	
	28	34	51,16	4280	244,3	3	1,31	
	26	32	55,40	4280	264,5	3	1,20	
	23	28	62,66	4280	299,2	3	1,06	
	182	220	7,95	4559	37,7	2	2,03	MW482_I80D
	152	183	9,55	4559	45,3	2	2,03	
	129	156	11,24	4884	53,4	2	2,03	
	115	139	12,59	4884	59,8	2	2,03	
	103	124	14,11	4884	67,0	2	2,03	
	94	114	15,41	4884	73,1	2	2,03	
	87	105	16,63	4884	79,0	2	2,03	
	75	90	19,34	5049	91,8	2	2,03	
	68	82	21,46	5049	101,9	2	2,03	
	62	75	23,37	5049	110,9	2	2,03	
	55	67	26,14	5049	124,1	2	2,03	
	51	61	28,58	5933	135,7	2	2,03	
	46	56	31,36	5933	148,9	2	2,03	
	42	51	34,58	5933	164,2	2	2,03	
	38	46	38,33	5933	182,0	2	2,03	
	33	40	43,43	5933	206,2	2	2,03	
	30	37	47,92	5933	227,5	2	1,95	
	27	32	54,17	5933	257,2	2	1,80	
	23	28	61,86	5933	293,7	2	1,57	
	21	25	70,33	5933	333,9	2	1,38	
	19,3	23	75,27	5933	357,4	2	1,29	
	16,7	20	86,77	5933	412,0	2	1,11	
	35	43	40,99	5933	194,6	3	2,03	MW483_I80D
	30	37	47,66	5933	226,3	3	2,03	
	27	33	52,88	5933	251,1	3	1,97	
	25	30	57,59	5933	273,4	3	1,86	
	23	27	64,41	5933	305,8	3	1,70	
	21	25	70,42	5933	334,3	3	1,55	
	18,8	23	77,29	5933	366,9	3	1,42	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	17	21	85,22	5933	404,6	3	1,29	
	15,4	19	94,46	5933	448,5	3	1,15	
	13,5	16	107,02	5933	508,1	3	1,02	
	151	182	9,63	11121	46,0	2	2,03	MW682_I80D
	128	155	11,29	11121	53,9	2	2,03	
	108	130	13,45	11121	64,2	2	2,03	
	99	120	14,59	11121	69,7	2	2,03	
	89	107	16,28	11121	77,8	2	2,03	
	82	99	17,64	11121	84,2	2	2,03	
	73	88	19,99	11121	95,5	2	2,03	
	67	81	21,54	11121	102,8	2	2,03	
	62	75	23,29	11121	111,2	2	2,03	
	54	65	26,75	11121	127,7	2	2,03	
	49	60	29,37	11121	140,2	2	2,03	
	45	54	32,34	11121	154,4	2	2,03	
	41	50	35,10	11121	167,6	2	2,03	
	38	46	38,25	11121	182,7	2	2,03	
	35	42	41,89	11121	200,0	2	2,03	
	31	38	46,14	11121	220,3	2	2,03	
	27	33	53,07	11121	253,4	2	2,03	
	25	30	57,49	11121	274,5	2	2,03	
	23	28	63,54	11121	303,4	2	2,03	
	19,6	24	74,13	11121	354,0	2	2,03	
	17,6	21	82,52	11121	394,0	2	1,99	
	39	47	37,41	11121	178,6	3	2,03	MW683_I80D
	32	39	44,94	11121	214,6	3	2,03	
	27	33	52,91	11121	252,7	3	2,03	
	24	30	59,29	11121	283,1	3	2,03	
	22	26	66,45	11121	317,3	3	2,03	
	20	24	72,54	11121	346,4	3	2,03	
	18,2	22	79,63	11121	380,2	3	2,03	
	16,5	20	87,68	11121	418,7	3	2,03	
	15,2	18	95,16	11121	454,4	3	2,03	
	14	17	103,72	11121	495,3	3	1,95	
	12,8	15	113,59	11121	542,4	3	1,78	
	11,6	14	125,11	11121	597,4	3	1,62	
	10,1	12	143,88	11121	687,0	3	1,41	
	9,3	11	155,87	11121	744,3	3	1,30	
	8,4	10	172,28	11121	822,6	3	1,18	
	7,2	9	200,99	11121	959,7	3	1,01	
	25	30	57,59	16063	273,4	3	2,03	MW883_I80D
	21	26	67,50	16063	320,5	3	2,03	
	18	22	80,45	16063	382,0	3	2,03	
	16,6	20	87,25	16063	414,2	3	2,03	
	14,9	18	97,39	16063	462,4	3	2,03	
	13,7	17	105,48	16063	500,8	3	2,03	
	12,1	15	119,55	16063	567,6	3	2,03	
	11,3	14	128,79	16063	611,5	3	2,03	
	10,4	13	139,26	16063	661,2	3	2,03	
	9,6	12	151,22	16063	718,0	3	2,03	
	8,7	11	167,20	16063	793,8	3	2,03	
	8	10	181,13	16063	859,9	3	2,03	
	7,1	9	204,11	16063	969,1	3	1,89	
	6,5	8	223,47	16063	1061,0	3	1,72	
	5,8	7	248,92	16063	1181,8	3	1,55	
	5,1	6	284,63	16063	1351,3	3	1,35	
	4,6	6	315,64	16063	1498,6	3	1,22	
	4,1	5	350,03	16063	1661,8	3	1,10	
	17,6	21	82,39	24166	391,1	3	2,03	MW1083_I80D
	15,3	19	94,52	24166	448,8	3	2,03	
	13	16	111,56	24166	529,7	3	2,03	
	12	15	120,93	24166	574,1	3	2,03	
	10,8	13	134,45	24166	638,3	3	2,03	
	9,9	12	146,04	24166	693,4	3	2,03	
	9	11	161,54	24166	766,9	3	2,03	
	8,4	10	173,42	24166	823,4	3	2,03	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	7,8	9	186,89	24166	887,3	3	2,03	
	7,2	9	202,29	24166	960,4	3	2,03	
	6,6	8	220,05	24166	1044,7	3	2,03	
	6	7	240,77	24166	1143,1	3	2,03	
1,1 (50 Hz)	**148**	179	9,80	3016	68,6	2	2,81	MW382_I90D
1,3 (60 Hz)	**127**	154	11,39	3132	79,8	2	2,81	
	115	138	12,64	3132	88,5	2	2,81	
	105	127	13,76	3132	96,4	2	2,80	
	94	114	15,39	3132	107,8	2	2,67	
	86	104	16,83	3132	117,9	2	2,56	
	79	95	18,47	3140	129,4	2	2,45	
	71	86	20,37	3140	142,6	2	2,24	
	64	78	22,58	3140	158,1	2	2,02	
	57	68	25,58	4030	179,1	2	1,78	
	51	62	28,22	4030	197,6	2	1,61	
	45	55	31,91	4030	223,5	2	1,43	
	40	48	36,43	4030	255,1	2	1,25	
	38	46	38,19	4030	267,4	2	1,08	
	36	44	40,04	4280	280,4	3	1,14	MW383_I90D
	33	40	44,05	4280	308,5	3	1,03	
	182	220	7,95	4559	55,6	2	2,81	MW482_I90D
	152	183	9,55	4559	66,8	2	2,81	
	129	156	11,24	4884	78,7	2	2,81	
	115	139	12,59	4884	88,2	2	2,81	
	103	124	14,11	4884	98,8	2	2,81	
	94	114	15,41	4884	107,9	2	2,81	
	87	105	16,63	4884	116,5	2	2,81	
	75	90	19,34	5049	135,4	2	2,81	
	68	82	21,46	5049	150,3	2	2,81	
	62	75	23,37	5049	163,6	2	2,80	
	55	67	26,14	5049	183,0	2	2,53	
	51	61	28,58	5933	200,1	2	2,32	
	46	56	31,36	5933	219,6	2	2,11	
	42	51	34,58	5933	242,2	2	1,92	
	38	46	38,33	5933	268,4	2	1,73	
	33	40	43,43	5933	304,1	2	1,53	
	30	37	47,92	5933	335,5	2	1,38	
	27	32	54,17	5933	379,4	2	1,22	
	23	28	61,86	5933	433,2	2	1,07	
	35	43	40,99	5933	287,0	3	1,59	MW483_I90D
	30	37	47,66	5933	333,8	3	1,44	
	27	33	52,88	5933	370,3	3	1,34	
	25	30	57,59	5933	403,3	3	1,27	
	23	27	64,41	5933	451,0	3	1,16	
	21	25	70,42	5933	493,1	3	1,06	
	151	182	9,63	11121	67,4	2	2,81	MW682_I90D
	128	155	11,29	11121	79,0	2	2,81	
	108	130	13,45	11121	94,2	2	2,81	
	99	120	14,59	11121	102,2	2	2,81	
	89	107	16,28	11121	114,0	2	2,81	
	82	99	17,64	11121	123,5	2	2,81	
	73	88	19,99	11121	140,0	2	2,78	
	67	81	21,54	11121	150,8	2	2,67	
	62	75	23,29	11121	163,1	2	2,56	
	54	65	26,75	11121	187,3	2	2,81	
	49	60	29,37	11121	205,6	2	2,81	
	45	54	32,34	11121	226,4	2	2,81	
	41	50	35,10	11121	245,8	2	2,81	
	38	46	38,25	11121	267,9	2	2,78	
	35	42	41,89	11121	293,4	2	2,67	
	31	38	46,14	11121	323,1	2	2,55	
	27	33	53,07	11121	371,6	2	2,21	
	25	30	57,49	11121	402,6	2	2,04	
	23	28	63,54	11121	444,9	2	1,85	
	39	47	37,41	11121	262,0	3	2,81	MW683_I90D
	32	39	44,94	11121	314,7	3	2,81	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	27	33	52,91	11121	370,5	3	2,61	
	24	30	59,29	11121	415,2	3	2,33	
	22	26	66,45	11121	465,3	3	2,08	
	20	24	72,54	11121	508,0	3	1,90	
	18,2	22	79,63	11121	557,6	3	1,74	
	16,5	20	87,68	11121	614,0	3	1,57	
	15,2	18	95,16	11121	666,4	3	1,45	
	14	17	103,72	11121	726,3	3	1,33	
	12,8	15	113,59	11121	795,5	3	1,21	
	11,6	14	125,11	11121	876,1	3	1,10	
	98	118	14,86	16063	104,1	2	2,81	MW882_I90D
	85	103	17,05	16063	119,4	2	2,81	
	72	87	20,12	16063	140,9	2	2,81	
	66	80	21,81	16063	152,7	2	2,81	
	60	72	24,25	16063	169,8	2	2,81	
	55	66	26,34	16063	184,5	2	2,81	
	50	60	29,14	16063	204,1	2	2,81	
	47	57	30,67	16063	214,8	2	2,81	
	42	51	34,23	16063	239,7	2	2,81	
	39	47	37,08	16063	259,7	2	2,81	
	34	42	42,03	16063	294,3	2	2,81	
	32	39	45,27	16063	317,0	2	2,81	
	30	36	48,95	16063	342,8	2	2,81	
	27	33	53,16	16063	372,3	2	2,81	
	25	30	58,78	16063	411,6	2	2,81	
	23	27	63,67	16063	445,9	2	2,64	
	20,2	24	71,75	16063	502,5	2	2,42	
	18,5	22	78,56	16063	550,1	2	2,24	
	16,6	20	87,50	16063	612,8	2	2,04	
	14,5	18	100,06	16063	700,7	2	1,81	
	13,1	16	110,96	16063	777,0	2	1,65	
	11,8	14	123,05	16063	861,7	2	1,51	
	25	30	57,59	16063	403,3	3	2,81	MW883_I90D
	21	26	67,50	16063	472,7	3	2,81	
	18	22	80,45	16063	563,4	3	2,81	
	16,6	20	87,25	16063	611,0	3	2,81	
	14,9	18	97,39	16063	682,0	3	2,69	
	13,7	17	105,48	16063	738,7	3	2,49	
	12,1	15	119,55	16063	837,2	3	2,20	
	11,3	14	128,79	16063	901,9	3	2,04	
	10,4	13	139,26	16063	975,2	3	1,88	
	9,6	12	151,22	16063	1059,0	3	1,74	
	8,7	11	167,20	16063	1170,9	3	1,57	
	8	10	181,13	16063	1268,4	3	1,45	
	7,1	9	204,11	16063	1429,3	3	1,29	
	6,5	8	223,47	16063	1564,9	3	1,17	
	5,8	7	248,92	16063	1743,1	3	1,06	
	58	70	24,89	24166	174,3	2	2,81	MW1082_I90D
	51	61	28,56	24166	200,0	2	2,81	
	43	52	33,71	24166	236,0	2	2,81	
	40	48	36,54	24166	255,9	2	2,81	
	36	43	40,62	24166	284,5	2	2,81	
	33	40	44,12	24166	309,0	2	2,81	
	30	36	48,81	24166	341,8	2	2,81	
	28	33	52,40	24166	366,9	2	2,81	
	26	31	56,47	24166	395,4	2	2,81	
	24	29	61,12	24166	428,0	2	2,81	
	22	26	66,48	24166	465,6	2	2,71	
	19,9	24	72,74	24166	509,4	2	2,60	
	17,6	21	82,39	24166	576,9	3	2,81	MW1083_I90D
	15,3	19	94,52	24166	661,9	3	2,81	
	13	16	111,56	24166	781,3	3	2,81	
	12	15	120,93	24166	846,8	3	2,81	
	10,8	13	134,45	24166	941,5	3	2,81	
	9,9	12	146,04	24166	1022,7	3	2,81	
	9	11	161,54	24166	1131,2	3	2,81	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	8,4	10	173,42	24166	1214,4	3	2,71	
	7,8	9	186,89	24166	1308,8	3	2,51	
	7,2	9	202,29	24166	1416,6	3	2,32	
	6,6	8	220,05	24166	1540,9	3	2,14	
	6	7	240,77	24166	1686,0	3	1,95	
	16,1	19	90,32	30146	632,5	3	2,81	MW1283_I90D
	14,2	17	102,35	30146	716,8	3	2,81	
	12,1	15	120,11	30146	841,1	3	2,81	
	11,1	13	131,03	30146	917,6	3	2,81	
	10,1	12	142,93	30146	1000,9	3	2,81	
	9,4	11	154,25	30146	1080,2	3	2,81	
	8,4	10	172,39	30146	1207,2	3	2,81	
	7,9	10	184,67	30146	1293,2	3	2,81	
	7,3	9	198,58	30146	1390,6	3	2,70	
	6,8	8	214,48	30146	1502,0	3	2,59	
1,5 (50 Hz)	**148**	179	9,80	3016	93,5	2	2,06	MW382_I90D
1,8 (60 Hz)	**127**	154	11,39	3132	108,8	2	2,06	
	115	138	12,64	3132	120,7	2	2,06	
	105	127	13,76	3132	131,4	2	2,06	
	94	114	15,39	3132	147,0	2	1,96	
	86	104	16,83	3132	160,7	2	1,88	
	79	95	18,47	3140	176,4	2	1,80	
	71	86	20,37	3140	194,5	2	1,64	
	64	78	22,58	3140	215,6	2	1,48	
	57	68	25,58	4030	244,2	2	1,31	
	51	62	28,22	4030	269,5	2	1,18	
	45	55	31,91	4030	304,7	2	1,05	
	182	220	7,95	4559	75,9	2	2,06	MW482_I90D
	152	183	9,55	4559	91,1	2	2,06	
	129	156	11,24	4884	107,3	2	2,06	
	115	139	12,59	4884	120,2	2	2,06	
	103	124	14,11	4884	134,8	2	2,06	
	94	114	15,41	4884	147,1	2	2,06	
	87	105	16,63	4884	158,8	2	2,06	
	75	90	19,34	5049	184,7	2	2,06	
	68	82	21,46	5049	204,9	2	2,06	
	62	75	23,37	5049	223,1	2	2,06	
	55	67	26,14	5049	249,5	2	1,86	
	51	61	28,58	5933	272,8	2	1,70	
	46	56	31,36	5933	299,4	2	1,55	
	42	51	34,58	5933	330,2	2	1,41	
	38	46	38,33	5933	366,0	2	1,27	
	33	40	43,43	5933	414,6	2	1,12	
	30	37	47,92	5933	457,5	2	1,01	
	35	43	40,99	5933	391,3	3	1,17	MW483_I90D
	30	37	47,66	5933	455,0	3	1,05	
	151	182	9,63	11121	91,9	2	2,06	MW682_I90D
	128	155	11,29	11121	107,8	2	2,06	
	108	130	13,45	11121	128,4	2	2,06	
	99	120	14,59	11121	139,3	2	2,06	
	89	107	16,28	11121	155,5	2	2,06	
	82	99	17,64	11121	168,4	2	2,06	
	73	88	19,99	11121	190,9	2	2,04	
	67	81	21,54	11121	205,6	2	1,96	
	62	75	23,29	11121	222,3	2	1,88	
	54	65	26,75	11121	255,4	2	2,06	
	49	60	29,37	11121	280,4	2	2,06	
	45	54	32,34	11121	308,7	2	2,06	
	41	50	35,10	11121	335,1	2	2,06	
	38	46	38,25	11121	365,2	2	2,04	
	35	42	41,89	11121	400,0	2	1,96	
	31	38	46,14	11121	440,5	2	1,87	
	27	33	53,07	11121	506,6	2	1,62	
	25	30	57,49	11121	548,9	2	1,50	
	23	28	63,54	11121	606,6	2	1,36	
	39	47	37,41	11121	357,2	3	2,06	MW683_I90D

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	32	39	44,94	11121	429,1	3	2,06	
	27	33	52,91	11121	505,2	3	1,91	
	24	30	59,29	11121	566,1	3	1,71	
	22	26	66,45	11121	634,4	3	1,52	
	20	24	72,54	11121	692,6	3	1,40	
	18,2	22	79,63	11121	760,2	3	1,27	
	16,5	20	87,68	11121	837,1	3	1,15	
	15,2	18	95,16	11121	908,6	3	1,06	
	98	118	14,86	16063	141,9	2	2,06	MW882_I90D
	85	103	17,05	16063	162,8	2	2,06	
	72	87	20,12	16063	192,1	2	2,06	
	66	80	21,81	16063	208,3	2	2,06	
	60	72	24,25	16063	231,5	2	2,06	
	55	66	26,34	16063	251,5	2	2,06	
	50	60	29,14	16063	278,2	2	2,06	
	47	57	30,67	16063	292,8	2	2,06	
	42	51	34,23	16063	326,9	2	2,06	
	39	47	37,08	16063	354,0	2	2,06	
	34	42	42,03	16063	401,3	2	2,06	
	32	39	45,27	16063	432,3	2	2,06	
	30	36	48,95	16063	467,4	2	2,06	
	27	33	53,16	16063	507,5	2	2,06	
	25	30	58,78	16063	561,2	2	2,06	
	23	27	63,67	16063	607,9	2	1,94	
	20,2	24	71,75	16063	685,0	2	1,77	
	18,5	22	78,56	16063	750,0	2	1,64	
	16,6	20	87,50	16063	835,4	2	1,50	
	14,5	18	100,06	16063	955,3	2	1,33	
	13,1	16	110,96	16063	1059,4	2	1,21	
	11,8	14	123,05	16063	1174,8	2	1,10	
	25	30	57,59	16063	549,8	3	2,06	MW883_I90D
	21	26	67,50	16063	644,5	3	2,06	
	18	22	80,45	16063	768,1	3	2,06	
	16,6	20	87,25	16063	833,0	3	2,06	
	14,9	18	97,39	16063	929,8	3	1,97	
	13,7	17	105,48	16063	1007,1	3	1,83	
	12,1	15	119,55	16063	1141,5	3	1,61	
	11,3	14	128,79	16063	1229,6	3	1,50	
	10,4	13	139,26	16063	1329,6	3	1,38	
	9,6	12	151,22	16063	1443,8	3	1,27	
	8,7	11	167,20	16063	1596,3	3	1,15	
	8	10	181,13	16063	1729,4	3	1,06	
	58	70	24,89	24166	237,7	2	2,06	MW1082_I90D
	51	61	28,56	24166	272,7	2	2,06	
	43	52	33,71	24166	321,8	2	2,06	
	40	48	36,54	24166	348,8	2	2,06	
	36	43	40,62	24166	387,8	2	2,06	
	33	40	44,12	24166	421,3	2	2,06	
	30	36	48,81	24166	466,0	2	2,06	
	28	33	52,40	24166	500,3	2	2,06	
	26	31	56,47	24166	539,1	2	2,06	
	24	29	61,12	24166	583,5	2	2,06	
	22	26	66,48	24166	634,8	2	1,99	
	19,9	24	72,74	24166	694,5	2	1,91	
	17,6	21	82,39	24166	786,6	3	2,06	MW1083_90D
	15,3	19	94,52	24166	902,5	3	2,06	
	13	16	111,56	24166	1065,2	3	2,06	
	12	15	120,93	24166	1154,5	3	2,06	
	10,8	13	134,45	24166	1283,6	3	2,06	
	9,9	12	146,04	24166	1394,3	3	2,06	
	9	11	161,54	24166	1542,3	3	2,06	
	8,4	10	173,42	24166	1655,8	3	1,99	
	7,8	9	186,89	24166	1784,4	3	1,84	
	7,2	9	202,29	24166	1931,3	3	1,70	
	6,6	8	220,05	24166	2100,9	3	1,57	
	6	7	240,77	24166	2298,7	3	1,43	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	16,1	19	90,32	30146	862,4	3	2,06	MW1283_I90D
	14,2	17	102,35	30146	977,2	3	2,06	
	12,1	15	120,11	30146	1146,8	3	2,06	
	11,1	13	131,03	30146	1251,0	3	2,06	
	10,1	12	142,93	30146	1364,6	3	2,06	
	9,4	11	154,25	30146	1472,7	3	2,06	
	8,4	10	172,39	30146	1645,9	3	2,06	
	7,9	10	184,67	30146	1763,1	3	2,06	
	7,3	9	198,58	30146	1896,0	3	1,98	
	6,8	8	214,48	30146	2047,8	3	1,90	
2,2 (50 Hz)	**148**	179	9,80	3016	137,2	2	2,09	MW382_I100D
2,6 (60 Hz)	**127**	154	11,39	3132	159,6	2	1,94	
	115	138	12,64	3132	177,0	2	1,80	
	105	127	13,76	3132	192,8	2	1,65	
	94	114	15,39	3132	215,6	2	1,48	
	86	104	16,83	3132	235,7	2	1,35	
	79	95	18,47	3140	258,7	2	1,23	
	71	86	20,37	3140	285,3	2	1,12	
	64	78	22,58	3140	316,2	2	1,01	
	182	220	7,95	4559	111,3	2	2,16	MW482_I100D
	152	183	9,55	4559	133,7	2	1,99	
	129	156	11,24	4884	157,4	2	1,83	
	115	139	12,59	4884	176,4	2	1,73	
	103	124	14,11	4884	197,7	2	1,63	
	94	114	15,41	4884	215,8	2	1,55	
	87	105	16,63	4884	232,9	2	1,82	
	75	90	19,34	5049	270,9	2	1,68	
	68	82	21,46	5049	300,5	2	1,55	
	62	75	23,37	5049	327,3	2	1,42	
	55	67	26,14	5049	366,1	2	1,27	
	51	61	28,58	5933	400,2	2	1,16	
	46	56	31,36	5933	439,3	2	1,06	
	218	263	6,65	11121	93,1	2	2,91	MW682_I100D
	181	218	8,02	11121	112,4	2	2,91	
	151	182	9,63	11121	134,9	2	2,91	
	128	155	11,29	11121	158,1	2	2,91	
	108	130	13,45	11121	188,4	2	2,91	
	99	120	14,59	11121	204,3	2	2,91	
	89	107	16,28	11121	228,1	2	2,79	
	82	99	17,64	11121	247,0	2	2,69	
	73	88	19,99	11121	280,0	2	2,52	
	67	81	21,54	11121	301,6	2	2,42	
	62	75	23,29	11121	326,1	2	2,33	
	54	65	26,75	11121	374,7	2	2,19	
	49	60	29,37	11121	411,3	2	2,00	
	45	54	32,34	11121	452,9	2	1,82	
	41	50	35,10	11121	491,6	2	1,67	
	38	46	38,25	11121	535,8	2	1,53	
	35	42	41,89	11121	586,7	2	1,40	
	31	38	46,14	11121	646,2	2	1,27	
	27	33	53,07	11121	743,2	2	1,11	
	25	30	57,49	11121	805,1	2	1,02	
	39	47	37,41	11121	523,9	3	1,85	MW683_I100D
	32	39	44,94	11121	629,4	3	1,54	
	27	33	52,91	11121	741,1	3	1,30	
	24	30	59,29	11121	830,4	3	1,17	
	22	26	66,45	11121	930,7	3	1,04	
	134	162	10,79	16063	151,1	2	2,91	MW882_I100D
	115	138	12,64	16063	177,1	2	2,91	
	98	118	14,86	16063	208,1	2	2,91	
	85	103	17,05	16063	238,8	2	2,91	
	72	87	20,12	16063	281,8	2	2,90	
	66	80	21,81	16063	305,5	2	2,91	
	60	72	24,25	16063	339,7	2	2,91	
	55	66	26,34	16063	369,0	2	2,91	
	50	60	29,14	16063	408,1	2	2,85	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	47	57	30,67	16063	429,6	2	2,91	
	42	51	34,23	16063	479,5	2	2,91	
	39	47	37,08	16063	519,3	2	2,91	
	34	42	42,03	16063	588,6	2	2,73	
	32	39	45,27	16063	634,1	2	2,58	
	30	36	48,95	16063	685,6	2	2,40	
	27	33	53,16	16063	744,5	2	2,21	
	25	30	58,78	16063	823,2	2	2,00	
	23	27	63,67	16063	891,8	2	1,84	
	20,2	24	71,75	16063	1004,9	2	1,64	
	18,5	22	78,56	16063	1100,2	2	1,49	
	16,6	20	87,50	16063	1225,5	2	1,34	
	36	44	39,78	16063	557,1	3	2,91	MW883_I100D
	30	36	47,99	16063	672,1	3	2,73	
	25	30	57,59	16063	806,5	3	2,28	
	21	26	67,50	16063	945,4	3	1,94	
	18	22	80,45	16063	1126,8	3	1,63	
	16,6	20	87,25	16063	1222,0	3	1,50	
	14,9	18	97,39	16063	1364,0	3	1,35	
	13,7	17	105,48	16063	1477,4	3	1,24	
	12,1	15	119,55	16063	1674,4	3	1,10	
	11,3	14	128,79	16063	1803,8	3	1,02	
	99	120	14,59	24166	204,3	2	2,91	MW1082_I100D
	86	104	16,83	24166	235,8	2	2,91	
	73	88	19,78	24166	277,0	2	2,91	
	68	83	21,18	24166	296,6	2	2,91	
	58	70	24,89	24166	348,6	2	2,91	
	51	61	28,56	24166	400,0	2	2,91	
	43	52	33,71	24166	472,1	2	2,91	
	40	48	36,54	24166	511,7	2	2,91	
	36	43	40,62	24166	568,9	2	2,91	
	33	40	44,12	24166	618,0	2	2,90	
	30	36	48,81	24166	683,6	2	2,75	
	28	33	52,40	24166	733,9	2	2,63	
	26	31	56,47	24166	790,8	2	2,49	
	24	29	61,12	24166	856,0	2	2,37	
	22	26	66,48	24166	931,1	2	2,21	
	19,9	24	72,74	24166	1018,8	2	2,05	
	24	29	59,81	24166	837,7	3	2,91	MW1083_I100D
	21	25	70,08	24166	981,6	3	2,91	
	17,6	21	82,39	24166	1153,9	3	2,85	
	15,3	19	94,52	24166	1323,9	3	2,48	
	13	16	111,56	24166	1562,5	3	2,10	
	12	15	120,93	24166	1693,6	3	1,94	
	10,8	13	134,45	24166	1883,0	3	1,75	
	9,9	12	146,04	24166	2045,4	3	1,61	
	9	11	161,54	24166	2262,5	3	1,45	
	8,4	10	173,42	24166	2428,9	3	1,35	
	7,8	9	186,89	24166	2617,5	3	1,26	
	7,2	9	202,29	24166	2833,1	3	1,16	
	6,6	8	220,05	24166	3081,9	3	1,07	
	65	78	22,39	30146	313,5	2	2,91	MW1282_I100D
	59	71	24,77	30146	346,9	2	2,91	
	61	73	23,96	30146	335,6	2	2,91	
	52	63	27,66	30146	387,4	2	2,91	
	45	54	32,50	30146	455,1	2	2,91	
	39	48	36,83	30146	515,8	2	2,91	
	34	40	43,21	30146	605,2	2	2,91	
	31	37	47,14	30146	660,3	2	2,91	
	28	34	51,43	30146	720,2	2	2,91	
	26	32	55,50	30146	777,3	2	2,91	
	23	28	62,03	30146	868,7	2	2,76	
	22	26	66,44	30146	930,6	2	2,61	
	20,3	24	71,45	30146	1000,7	2	2,45	
	18,8	23	77,17	30146	1080,8	2	2,30	
	22	26	66,61	30146	932,9	3	2,91	MW1283_I100D

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	18,9	23	76,87	30146	1076,6	3	2,91	
	16,1	19	90,32	30146	1265,0	3	2,91	
	14,2	17	102,35	30146	1433,5	3	2,91	
	12,1	15	120,11	30146	1682,2	3	2,91	
	11,1	13	131,03	30146	1835,1	3	2,91	
	10,1	12	142,93	30146	2001,8	3	2,91	
	9,4	11	154,25	30146	2160,3	3	2,73	
	8,4	10	172,39	30146	2414,5	3	2,44	
	7,9	10	184,67	30146	2586,4	3	2,28	
	7,3	9	198,58	30146	2781,3	3	2,12	
	6,8	8	214,48	30146	3003,9	3	1,96	
	15,1	18	95,74	51057	1340,9	3	2,91	MW1483_I100D
	13,7	17	105,94	51057	1483,7	3	2,91	
	11,7	14	123,98	51057	1736,5	3	2,91	
	10,8	13	134,28	51057	1880,6	3	2,91	
	9,7	12	149,86	51057	2098,9	3	2,91	
	9,1	11	158,88	51057	2225,2	3	2,82	
	8,1	10	180,11	51057	2522,5	3	2,54	
	7,5	9	192,71	51057	2699,1	3	2,40	
	7,2	9	202,69	51057	2838,8	3	2,30	
	6,6	8	218,71	51057	3063,1	3	2,15	
3 (50 Hz)	**148**	179	9,80	3016	187,1	2	1,53	MW382_I100D
3,6 (60 Hz)	**127**	154	11,39	3132	217,6	2	1,42	
	115	138	12,64	3132	241,4	2	1,32	
	105	127	13,76	3132	262,9	2	1,21	
	94	114	15,39	3132	294,0	2	1,09	
	182	220	7,95	4559	151,8	2	1,59	MW482_I100D
	152	183	9,55	4559	182,3	2	1,46	
	129	156	11,24	4884	214,7	2	1,35	
	115	139	12,59	4884	240,5	2	1,27	
	103	124	14,11	4884	269,6	2	1,20	
	94	114	15,41	4884	294,3	2	1,14	
	87	105	16,63	4884	317,7	2	1,34	
	75	90	19,34	5049	369,4	2	1,23	
	68	82	21,46	5049	409,9	2	1,13	
	62	75	23,37	5049	446,3	2	1,04	
	218	263	6,65	11121	127,0	2	2,13	MW682_I100D
	181	218	8,02	11121	153,3	2	2,13	
	151	182	9,63	11121	183,9	2	2,13	
	128	155	11,29	11121	215,6	2	2,13	
	108	130	13,45	11121	256,9	2	2,13	
	99	120	14,59	11121	278,6	2	2,13	
	89	107	16,28	11121	311,0	2	2,05	
	82	99	17,64	11121	336,9	2	1,97	
	73	88	19,99	11121	381,8	2	1,85	
	67	81	21,54	11121	411,3	2	1,78	
	62	75	23,29	11121	444,7	2	1,71	
	54	65	26,75	11121	511,0	2	1,61	
	49	60	29,37	11121	560,9	2	1,46	
	45	54	32,34	11121	617,6	2	1,33	
	41	50	35,10	11121	670,4	2	1,22	
	38	46	38,25	11121	730,6	2	1,12	
	35	42	41,89	11121	800,2	2	1,03	
	39	47	37,41	11121	714,5	3	1,35	MW683_I100D
	32	39	44,94	11121	858,4	3	1,13	
	134	162	10,79	16063	206,1	2	2,13	MW882_I100D
	115	138	12,64	16063	241,5	2	2,13	
	98	118	14,86	16063	283,8	2	2,13	
	85	103	17,05	16063	325,7	2	2,13	
	72	87	20,12	16063	384,4	2	2,13	
	66	80	21,81	16063	416,6	2	2,13	
	60	72	24,25	16063	463,2	2	2,13	
	55	66	26,34	16063	503,1	2	2,13	
	50	60	29,14	16063	556,5	2	2,09	
	47	57	30,67	16063	585,8	2	2,13	
	42	51	34,23	16063	653,9	2	2,13	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	39	47	37,08	16063	708,2	2	2,13	
	34	42	42,03	16063	802,7	2	2,00	
	32	39	45,27	16063	864,7	2	1,89	
	30	36	48,95	16063	935,0	2	1,76	
	27	33	53,16	16063	1015,3	2	1,62	
	25	30	58,78	16063	1122,6	2	1,46	
	23	27	63,67	16063	1216,1	2	1,35	
	20,2	24	71,75	16063	1370,4	2	1,20	
	18,5	22	78,56	16063	1500,4	2	1,10	
	36	44	39,78	16063	759,7	3	2,13	MW883_I100D
	30	36	47,99	16063	916,6	3	2,00	
	25	30	57,59	16063	1099,9	3	1,67	
	21	26	67,50	16063	1289,3	3	1,42	
	18	22	80,45	16063	1536,6	3	1,20	
	16,6	20	87,25	16063	1666,5	3	1,10	
	99	120	14,59	24166	278,6	2	2,13	MW1082_I100D
	86	104	16,83	24166	321,5	2	2,13	
	73	88	19,78	24166	377,8	2	2,13	
	68	83	21,18	24166	404,4	2	2,13	
	58	70	24,89	24166	475,4	2	2,13	
	51	61	28,56	24166	545,5	2	2,13	
	43	52	33,71	24166	643,8	2	2,13	
	40	48	36,54	24166	697,8	2	2,13	
	36	43	40,62	24166	775,9	2	2,13	
	33	40	44,12	24166	842,8	2	2,13	
	30	36	48,81	24166	932,2	2	2,02	
	28	33	52,40	24166	1000,8	2	1,93	
	26	31	56,47	24166	1078,5	2	1,83	
	24	29	61,12	24166	1167,3	2	1,74	
	22	26	66,48	24166	1269,8	2	1,62	
	19,9	24	72,74	24166	1389,4	2	1,50	
	24	29	59,81	24166	1142,4	3	2,13	MW1083_I100D
	21	25	70,08	24166	1338,6	3	2,13	
	17,6	21	82,39	24166	1573,5	3	2,09	
	15,3	19	94,52	24166	1805,4	3	1,82	
	13	16	111,56	24166	2130,8	3	1,54	
	12	15	120,93	24166	2309,6	3	1,42	
	10,8	13	134,45	24166	2567,9	3	1,28	
	9,9	12	146,04	24166	2789,4	3	1,18	
	9	11	161,54	24166	3085,4	3	1,07	
	65	78	22,39	30146	427,5	2	2,13	MW1282_I100D
	59	71	24,77	30146	473,1	2	2,13	
	61	73	23,96	30146	457,7	2	2,13	
	52	63	27,66	30146	528,2	2	2,13	
	45	54	32,50	30146	620,7	2	2,13	
	39	48	36,83	30146	703,4	2	2,13	
	34	40	43,21	30146	825,4	2	2,13	
	31	37	47,14	30146	900,4	2	2,13	
	28	34	51,43	30146	982,2	2	2,13	
	26	32	55,50	30146	1060,0	2	2,13	
	23	28	62,03	30146	1184,7	2	2,02	
	22	26	66,44	30146	1269,0	2	1,91	
	20,3	24	71,45	30146	1364,6	2	1,80	
	18,8	23	77,17	30146	1473,9	2	1,69	
	22	26	66,61	30146	1272,2	3	2,13	MW1283_I100D
	18,9	23	76,87	30146	1468,2	3	2,13	
	16,1	19	90,32	30146	1725,1	3	2,13	
	14,2	17	102,35	30146	1955,0	3	2,13	
	12,1	15	120,11	30146	2294,1	3	2,13	
	11,1	13	131,03	30146	2502,6	3	2,13	
	10,1	12	142,93	30146	2730,0	3	2,13	
	9,4	11	154,25	30146	2946,1	3	2,00	
	8,4	10	172,39	30146	3292,7	3	1,79	
	7,9	10	184,67	30146	3527,1	3	1,67	
	7,3	9	198,58	30146	3792,9	3	1,56	
	6,8	8	214,48	30146	4096,6	3	1,44	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	15,1	18	95,74	51057	1828,6	3	2,13	MW1483_I100D
	13,7	17	105,94	51057	2023,4	3	2,13	
	11,7	14	123,98	51057	2368,1	3	2,13	
	10,8	13	134,28	51057	2564,6	3	2,13	
	9,7	12	149,86	51057	2862,3	3	2,13	
	9,1	11	158,88	51057	3034,6	3	2,07	
	8,1	10	180,11	51057	3440,1	3	1,86	
	7,5	9	192,71	51057	3680,8	3	1,76	
	7,2	9	202,69	51057	3871,3	3	1,69	
	6,6	8	218,71	51057	4177,2	3	1,58	
4 (50 Hz)	**182**	220	7,95	4559	202,3	2	1,19	MW482_I112D
4,8 (60 Hz)	**152**	183	9,55	4559	243,1	2	1,09	
	129	156	11,24	4884	286,2	2	1,01	
	218	263	6,65	11121	169,4	2	2,14	MW682_I112D
	181	218	8,02	11121	204,3	2	2,14	
	151	182	9,63	11121	245,2	2	2,14	
	128	155	11,29	11121	287,4	2	2,14	
	108	130	13,45	11121	342,6	2	2,12	
	99	120	14,59	11121	371,5	2	2,05	
	89	107	16,28	11121	414,7	2	1,94	
	82	99	17,64	11121	449,2	2	1,87	
	73	88	19,99	11121	509,1	2	1,75	
	67	81	21,54	11121	548,4	2	1,69	
	62	75	23,29	11121	593,0	2	1,63	
	54	65	26,75	11121	681,3	2	1,21	
	49	60	29,37	11121	747,9	2	1,10	
	164	198	8,85	16063	225,3	2	2,14	MW882_I112D
	134	162	10,79	16063	274,8	2	2,14	
	115	138	12,64	16063	321,9	2	2,14	
	98	118	14,86	16063	378,5	2	2,14	
	85	103	17,05	16063	434,2	2	2,14	
	72	87	20,12	16063	512,5	2	2,14	
	66	80	21,81	16063	555,5	2	2,14	
	60	72	24,25	16063	617,6	2	2,14	
	55	66	26,34	16063	670,9	2	2,07	
	50	60	29,14	16063	742,1	2	1,97	
	47	57	30,67	16063	781,1	2	2,10	
	42	51	34,23	16063	871,8	2	1,89	
	39	47	37,08	16063	944,3	2	1,74	
	34	42	42,03	16063	1070,3	2	1,54	
	32	39	45,27	16063	1153,0	2	1,43	
	30	36	48,95	16063	1246,7	2	1,32	
	27	33	53,16	16063	1353,8	2	1,21	
	25	30	58,78	16063	1496,8	2	1,10	
	23	27	63,67	16063	1621,5	2	1,01	
	36	44	39,78	16063	1013,0	3	1,81	MW883_I112D
	30	36	47,99	16063	1222,1	3	1,50	
	25	30	57,59	16063	1466,5	3	1,25	
	21	26	67,50	16063	1719,0	3	1,07	
	118	143	12,28	24166	312,6	2	2,14	MW1082_I112D
	99	120	14,59	24166	371,5	2	2,14	
	86	104	16,83	24166	428,7	2	2,14	
	73	88	19,78	24166	503,7	2	2,14	
	68	83	21,18	24166	539,3	2	2,14	
	58	70	24,89	24166	633,9	2	2,14	
	51	61	28,56	24166	727,3	2	2,14	
	43	52	33,71	24166	858,4	2	2,14	
	40	48	36,54	24166	930,4	2	2,14	
	36	43	40,62	24166	1034,5	2	2,14	
	33	40	44,12	24166	1123,7	2	2,14	
	30	36	48,81	24166	1242,9	2	2,14	
	28	33	52,40	24166	1334,4	2	2,06	
	26	31	56,47	24166	1438,0	2	1,94	
	24	29	61,12	24166	1556,4	2	1,82	
	22	26	66,48	24166	1693,1	2	1,69	
	19,9	24	72,74	24166	1852,5	2	1,57	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	30	36	49,04	24166	1248,8	3	2,14	MW1083_I112D
	24	29	59,81	24166	1523,2	3	2,14	
	21	25	70,08	24166	1784,8	3	1,84	
	17,6	21	82,39	24166	2098,1	3	1,57	
	15,3	19	94,52	24166	2407,2	3	1,37	
	13	16	111,56	24166	2841,1	3	1,16	
	12	15	120,93	24166	3079,5	3	1,07	
	104	126	13,92	30146	354,6	2	2,14	MW1282_I112D
	89	108	16,27	30146	414,4	2	2,14	
	78	94	18,65	30146	475,1	2	2,14	
	67	81	21,57	30146	549,2	2	2,14	
	65	78	22,39	30146	570,1	2	2,14	
	59	71	24,77	30146	630,8	2	2,14	
	61	73	23,96	30146	610,3	2	2,14	
	52	63	27,66	30146	704,3	2	2,14	
	45	54	32,50	30146	827,6	2	2,14	
	39	48	36,83	30146	937,8	2	2,14	
	34	40	43,21	30146	1100,5	2	2,14	
	31	37	47,14	30146	1200,6	2	2,14	
	28	34	51,43	30146	1309,6	2	2,14	
	26	32	55,50	30146	1413,3	2	2,14	
	23	28	62,03	30146	1579,6	2	2,14	
	22	26	66,44	30146	1692,0	2	2,10	
	20,3	24	71,45	30146	1819,5	2	1,98	
	18,8	23	77,17	30146	1965,2	2	1,85	
	26	31	56,05	30146	1427,4	3	2,14	MW1283_I112D
	22	26	66,61	30146	1696,2	3	2,14	
	18,9	23	76,87	30146	1957,6	3	2,14	
	16,1	19	90,32	30146	2300,2	3	2,14	
	14,2	17	102,35	30146	2606,6	3	2,14	
	12,1	15	120,11	30146	3058,8	3	1,93	
	11,1	13	131,03	30146	3336,8	3	1,77	
	10,1	12	142,93	30146	3639,9	3	1,62	
	9,4	11	154,25	30146	3928,1	3	1,50	
	8,4	10	172,39	30146	4390,2	3	1,34	
	7,9	10	184,67	30146	4702,9	3	1,25	
	7,3	9	198,58	30146	5057,2	3	1,17	
	6,8	8	214,48	30146	5462,1	3	1,08	
	24	29	59,55	51057	1516,6	3	2,14	MW1483_I112D
	21	25	69,59	51057	1772,2	3	2,14	
	18,2	22	79,78	51057	2031,7	3	2,14	
	15,7	19	92,24	51057	2349,0	3	2,14	
	15,1	18	95,74	51057	2438,1	3	2,14	
	13,7	17	105,94	51057	2697,8	3	2,14	
	11,7	14	123,98	51057	3157,4	3	2,14	
	10,8	13	134,28	51057	3419,5	3	2,14	
	9,7	12	149,86	51057	3816,4	3	2,13	
	9,1	11	158,88	51057	4046,1	3	2,07	
	8,1	10	180,11	51057	4586,8	3	1,83	
	7,5	9	192,71	51057	4907,7	3	1,71	
	7,2	9	202,69	51057	5161,7	3	1,63	
	6,6	8	218,71	51057	5569,6	3	1,51	
5,5 (50 Hz)	**218**	263	6,65	11121	232,9	2	3,03	MW682_I132D
6,6 (60 Hz)	**181**	218	8,02	11121	281,0	2	2,85	
	151	182	9,63	11121	337,2	2	2,67	
	128	155	11,29	11121	395,2	2	2,42	
	108	130	13,45	11121	471,0	2	2,05	
	99	120	14,59	11121	510,9	2	1,89	
	89	107	16,28	11121	570,2	2	1,70	
	82	99	17,64	11121	617,6	2	1,57	
	73	88	19,99	11121	700,0	2	1,38	
	67	81	21,54	11121	754,1	2	1,28	
	62	75	23,29	11121	815,4	2	1,19	
	164	198	8,85	16063	309,7	2	3,39	MW882_I132D
	134	162	10,79	16063	377,8	2	3,22	
	115	138	12,64	16063	442,7	2	3,05	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	98	118	14,86	16063	520,4	2	2,87	
	85	103	17,05	16063	597,1	2	2,71	
	72	87	20,12	16063	704,7	2	2,51	
	66	80	21,81	16063	763,8	2	2,41	
	60	72	24,25	16063	849,2	2	2,16	
	55	66	26,34	16063	922,5	2	1,99	
	50	60	29,14	16063	1020,3	2	1,80	
	47	57	30,67	16063	1074,0	2	1,53	
	42	51	34,23	16063	1198,8	2	1,37	
	39	47	37,08	16063	1298,5	2	1,27	
	34	42	42,03	16063	1471,7	2	1,12	
	32	39	45,27	16063	1585,3	2	1,04	
	36	44	39,78	16063	1392,8	3	1,32	MW883_I132D
	30	36	47,99	16063	1680,4	3	1,09	
	152	184	9,52	24166	333,3	2	3,68	MW1082_I132D
	131	158	11,08	24166	387,8	2	3,68	
	118	143	12,28	24166	429,8	2	3,68	
	99	120	14,59	24166	510,8	2	3,68	
	86	104	16,83	24166	589,5	2	3,68	
	73	88	19,78	24166	692,7	2	3,58	
	68	83	21,18	24166	741,5	2	3,29	
	58	70	24,89	24166	871,6	2	2,99	
	51	61	28,56	24166	1000,0	2	2,76	
	43	52	33,71	24166	1180,3	2	2,49	
	40	48	36,54	24166	1279,4	2	2,37	
	36	43	40,62	24166	1422,4	2	2,22	
	33	40	44,12	24166	1545,1	2	2,11	
	30	36	48,81	24166	1709,1	2	1,92	
	28	33	52,40	24166	1834,8	2	1,79	
	26	31	56,47	24166	1977,3	2	1,66	
	24	29	61,12	24166	2140,1	2	1,54	
	22	26	66,48	24166	2328,0	2	1,41	
	19,9	24	72,74	24166	2547,3	2	1,29	
	30	36	49,04	24166	1717,2	3	1,91	MW1083_I132D
	24	29	59,81	24166	2094,4	3	1,57	
	21	25	70,08	24166	2454,1	3	1,34	
	17,6	21	82,39	24166	2884,9	3	1,14	
	137	166	10,56	30146	369,9	2	3,61	MW1282_I132D
	116	140	12,47	30146	436,7	2	3,48	
	104	126	13,92	30146	487,6	2	3,38	
	89	108	16,27	30146	569,8	2	3,22	
	78	94	18,65	30146	653,2	2	3,07	
	67	81	21,57	30146	755,2	2	2,89	
	65	78	22,39	30146	783,8	2	2,84	
	59	71	24,77	30146	867,4	2	2,71	
	61	73	23,96	30146	839,2	2	3,68	
	52	63	27,66	30146	968,5	2	3,68	
	45	54	32,50	30146	1137,9	2	3,68	
	39	48	36,83	30146	1289,5	2	3,68	
	34	40	43,21	30146	1513,2	2	3,51	
	31	37	47,14	30146	1650,8	2	3,28	
	28	34	51,43	30146	1800,7	2	3,06	
	26	32	55,50	30146	1943,3	2	2,84	
	23	28	62,03	30146	2171,9	2	2,54	
	22	26	66,44	30146	2326,6	2	2,37	
	20,3	24	71,45	30146	2501,9	2	2,20	
	18,8	23	77,17	30146	2702,2	2	2,04	
	33	40	43,47	30146	1522,1	3	3,68	MW1283_I132D
	29	35	50,57	30146	1770,9	3	3,33	
	26	31	56,05	30146	1962,7	3	3,01	
	22	26	66,61	30146	2332,3	3	2,53	
	18,9	23	76,87	30146	2691,8	3	2,19	
	16,1	19	90,32	30146	3162,8	3	1,87	
	14,2	17	102,35	30146	3584,1	3	1,65	
	12,1	15	120,11	30146	4205,9	3	1,40	
	11,1	13	131,03	30146	4588,2	3	1,29	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	10,1	12	142,93	30146	5005,0	3	1,18	
	9,4	11	154,25	30146	5401,2	3	1,09	
	125	151	11,61	48183	406,5	2	3,67	MW1482_I132D
	109	131	13,32	48183	466,3	2	3,56	
	99	119	14,68	48183	513,9	2	3,48	
	84	101	17,35	48183	607,7	2	3,31	
	73	88	19,78	51057	692,6	2	3,15	
	64	77	22,74	51057	796,4	2	2,98	
	56	67	26,00	51057	910,4	2	2,80	
	55	66	26,51	51057	928,3	2	3,68	
	48	58	30,39	51057	1064,3	2	3,68	
	41	50	35,14	51057	1230,4	2	3,68	
	40	48	36,47	51057	1277,1	2	3,68	
	36	43	40,36	51057	1413,2	2	3,65	
	31	37	47,23	51057	1653,9	2	3,24	
	28	34	51,15	51057	1791,2	2	3,04	
	25	31	57,09	51057	1999,1	2	2,78	
	24	29	60,53	51057	2119,4	2	2,65	
	21	26	68,61	51057	2402,6	2	2,39	
	19,7	24	73,42	51057	2570,8	2	2,25	
	18,8	23	77,21	51057	2703,8	2	2,16	
	17,4	21	83,32	51057	2917,5	2	2,02	
	32	39	45,18	51057	1582,0	3	3,68	MW1483_I132D
	27	33	53,34	51057	1867,8	3	3,56	
	24	29	59,55	51057	2085,4	3	3,46	
	21	25	69,59	51057	2436,7	3	3,31	
	18,2	22	79,78	51057	2793,7	3	3,01	
	15,7	19	92,24	51057	3229,9	3	2,61	
	15,1	18	95,74	51057	3352,4	3	2,51	
	13,7	17	105,94	51057	3709,6	3	2,27	
	11,7	14	123,98	51057	4341,5	3	1,94	
	10,8	13	134,28	51057	4701,9	3	1,79	
	9,7	12	149,86	51057	5247,6	3	1,60	
	9,1	11	158,88	51057	5563,5	3	1,51	
	8,1	10	180,11	51057	6306,9	3	1,33	
	7,5	9	192,71	51057	6748,2	3	1,25	
	7,2	9	202,69	51057	7097,5	3	1,19	
	6,6	8	218,71	51057	7658,3	3	1,10	
	100	121	14,51	74076	508,0	2	3,66	MW1682_I132D
	88	106	16,53	74076	579,0	2	3,56	
	80	97	18,13	79610	635,0	2	3,47	
	66	80	21,85	79610	765,2	2	3,27	
	60	72	24,28	79610	850,1	2	3,14	
	53	64	27,50	79610	963,0	2	2,98	
	45	55	32,07	88564	1122,9	2	3,68	
	40	48	36,55	88564	1279,9	2	3,68	
	34	42	42,03	88564	1471,7	2	3,67	
	30	36	48,04	90001	1682,3	2	3,56	
	26	31	55,68	90001	1949,6	2	3,26	
	24	29	60,66	90001	2124,1	2	3,04	
	21	26	67,58	90001	2366,3	2	2,78	
	20,3	24	71,58	90001	2506,5	2	2,65	
	18	22	80,50	90001	2818,8	2	2,40	
	16,8	20	86,06	90001	3013,6	2	2,26	
	24	30	59,27	90001	2075,3	3	3,67	MW1683_I132D
	21	26	67,98	90001	2380,3	3	3,56	
	19,4	23	74,92	90001	2623,5	3	3,48	
	16,4	20	88,59	90001	3102,3	3	3,31	
	14,4	17	100,98	90001	3535,8	3	3,15	
	12,5	15	116,11	90001	4065,7	3	2,98	
	10,9	13	132,73	90001	4647,7	3	2,79	
	9,4	11	153,81	90001	5386,0	3	2,41	
	8,7	10	167,58	90001	5868,1	3	2,21	
	7,8	9	186,69	90001	6537,2	3	1,98	
	7,3	9	197,75	90001	6924,5	3	1,87	
	6,5	8	222,39	90001	7787,5	3	1,66	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	6,1	7	237,76	90001	8325,6	3	1,56	
7,5 (50 Hz)	**218**	263	6,65	11121	317,6	2	2,22	MW682_I132D
9 (60 Hz)	**181**	218	8,02	11121	383,1	2	2,09	
	151	182	9,63	11121	459,8	2	1,96	
	128	155	11,29	11121	539,0	2	1,77	
	108	130	13,45	11121	642,3	2	1,51	
	99	120	14,59	11121	696,6	2	1,39	
	89	107	16,28	11121	777,6	2	1,24	
	82	99	17,64	11121	842,2	2	1,15	
	73	88	19,99	11121	954,6	2	1,01	
	164	198	8,85	16063	422,1	2	2,49	MW882_I132D
	134	162	10,79	16063	514,8	2	2,36	
	115	138	12,64	16063	603,2	2	2,24	
	98	118	14,86	16063	709,1	2	2,11	
	85	103	17,05	16063	813,5	2	1,98	
	72	87	20,12	16063	960,2	2	1,84	
	66	80	21,81	16063	1040,8	2	1,76	
	60	72	24,25	16063	1157,2	2	1,59	
	55	66	26,34	16063	1256,9	2	1,46	
	50	60	29,14	16063	1390,3	2	1,32	
	47	57	30,67	16063	1463,4	2	1,12	
	42	51	34,23	16063	1633,5	2	1,01	
	152	184	9,52	24166	454,2	2	2,70	MW1082_I132D
	131	158	11,08	24166	528,5	2	2,70	
	118	143	12,28	24166	585,7	2	2,70	
	99	120	14,59	24166	696,0	2	2,70	
	86	104	16,83	24166	803,3	2	2,70	
	73	88	19,78	24166	943,8	2	2,62	
	68	83	21,18	24166	1010,3	2	2,41	
	58	70	24,89	24166	1187,7	2	2,19	
	51	61	28,56	24166	1362,7	2	2,02	
	43	52	33,71	24166	1608,3	2	1,83	
	40	48	36,54	24166	1743,3	2	1,74	
	36	43	40,62	24166	1938,2	2	1,63	
	33	40	44,12	24166	2105,3	2	1,55	
	30	36	48,81	24166	2328,8	2	1,41	
	28	33	52,40	24166	2500,1	2	1,31	
	26	31	56,47	24166	2694,2	2	1,22	
	24	29	61,12	24166	2916,1	2	1,13	
	22	26	66,48	24166	3172,2	2	1,04	
	30	36	49,04	24166	2339,8	3	1,40	MW1083_I132D
	24	29	59,81	24166	2853,9	3	1,15	
	137	166	10,56	30146	504,0	2	2,64	MW1282_I132D
	116	140	12,47	30146	595,1	2	2,55	
	104	126	13,92	30146	664,4	2	2,48	
	89	108	16,27	30146	776,3	2	2,36	
	78	94	18,65	30146	890,1	2	2,25	
	67	81	21,57	30146	1029,1	2	2,12	
	65	78	22,39	30146	1068,1	2	2,08	
	59	71	24,77	30146	1181,9	2	1,98	
	61	73	23,96	30146	1143,4	2	2,70	
	52	63	27,66	30146	1319,6	2	2,70	
	45	54	32,50	30146	1550,6	2	2,70	
	39	48	36,83	30146	1757,1	2	2,70	
	34	40	43,21	30146	2061,9	2	2,57	
	31	37	47,14	30146	2249,4	2	2,41	
	28	34	51,43	30146	2453,7	2	2,24	
	26	32	55,50	30146	2647,9	2	2,08	
	23	28	62,03	30146	2959,5	2	1,86	
	22	26	66,44	30146	3170,2	2	1,74	
	20,3	24	71,45	30146	3409,0	2	1,62	
	18,8	23	77,17	30146	3682,0	2	1,50	
	33	40	43,47	30146	2074,0	3	2,70	MW1283_I132D
	29	35	50,57	30146	2413,0	3	2,44	
	26	31	56,05	30146	2674,4	3	2,20	
	22	26	66,61	30146	3178,1	3	1,85	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	18,9	23	76,87	30146	3667,8	3	1,61	
	16,1	19	90,32	30146	4309,7	3	1,37	
	14,2	17	102,35	30146	4883,7	3	1,21	
	12,1	15	120,11	30146	5730,9	3	1,03	
	125	151	11,61	48183	553,9	2	2,69	MW1482_I132D
	109	131	13,32	48183	635,3	2	2,61	
	99	119	14,68	48183	700,3	2	2,55	
	84	101	17,35	48183	828,1	2	2,43	
	73	88	19,78	51057	943,8	2	2,31	
	64	77	22,74	51057	1085,2	2	2,18	
	56	67	26,00	51057	1240,6	2	2,05	
	55	66	26,51	51057	1264,9	2	2,70	
	48	58	30,39	51057	1450,2	2	2,70	
	41	50	35,14	51057	1676,6	2	2,70	
	40	48	36,47	51057	1740,2	2	2,70	
	36	43	40,36	51057	1925,6	2	2,68	
	31	37	47,23	51057	2253,6	2	2,38	
	28	34	51,15	51057	2440,7	2	2,23	
	25	31	57,09	51057	2723,9	2	2,04	
	24	29	60,53	51057	2887,9	2	1,94	
	21	26	68,61	51057	3273,8	2	1,75	
	19,7	24	73,42	51057	3502,9	2	1,65	
	18,8	23	77,21	51057	3684,2	2	1,58	
	17,4	21	83,32	51057	3975,3	2	1,48	
	32	39	45,18	51057	2155,6	3	2,70	MW1483_I132D
	27	33	53,34	51057	2545,0	3	2,61	
	24	29	59,55	51057	2841,5	3	2,54	
	21	25	69,59	51057	3320,3	3	2,43	
	18,2	22	79,78	51057	3806,7	3	2,21	
	15,7	19	92,24	51057	4401,1	3	1,91	
	15,1	18	95,74	51057	4568,0	3	1,84	
	13,7	17	105,94	51057	5054,7	3	1,66	
	11,7	14	123,98	51057	5915,8	3	1,42	
	10,8	13	134,28	51057	6406,8	3	1,31	
	9,7	12	149,86	51057	7150,4	3	1,18	
	9,1	11	158,88	51057	7580,9	3	1,11	
	100	121	14,51	74076	692,2	2	2,68	MW1682_132D
	88	106	16,53	74076	788,9	2	2,61	
	80	97	18,13	79610	865,2	2	2,55	
	66	80	21,85	79610	1042,7	2	2,40	
	60	72	24,28	79610	1158,3	2	2,31	
	53	64	27,50	79610	1312,2	2	2,19	
	45	55	32,07	88564	1530,1	2	2,70	
	40	48	36,55	88564	1743,9	2	2,70	
	34	42	42,03	88564	2005,3	2	2,69	
	30	36	48,04	90001	2292,3	2	2,61	
	26	31	55,68	90001	2656,5	2	2,39	
	24	29	60,66	90001	2894,3	2	2,23	
	21	26	67,58	90001	3224,3	2	2,04	
	20,3	24	71,58	90001	3415,3	2	1,94	
	18	22	80,50	90001	3841,0	2	1,76	
	16,8	20	86,06	90001	4106,4	2	1,66	
	24	30	59,27	90001	2827,8	3	2,69	MW1683_I132D
	21	26	67,98	90001	3243,4	3	2,61	
	19,4	23	74,92	90001	3574,8	3	2,55	
	16,4	20	88,59	90001	4227,1	3	2,43	
	14,4	17	100,98	90001	4817,9	3	2,31	
	12,5	15	116,11	90001	5540,0	3	2,18	
	10,9	13	132,73	90001	6333,0	3	2,04	
	9,4	11	153,81	90001	7338,9	3	1,76	
	8,7	10	167,58	90001	7995,9	3	1,62	
	7,8	9	186,69	90001	8907,6	3	1,45	
	7,3	9	197,75	90001	9435,4	3	1,37	
	6,5	8	222,39	90001	10611,3	3	1,22	
	6,1	7	237,76	90001	11344,5	3	1,14	
9,2 (50 Hz)	**218**	263	6,65	11121	389,6	2	1,81	MW682_I132D

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
11 (60 Hz)	**181**	218	8,02	11121	470,0	2	1,71	
	151	182	9,63	11121	564,0	2	1,60	
	128	155	11,29	11121	661,1	2	1,45	
	108	130	13,45	11121	787,9	2	1,23	
	99	120	14,59	11121	854,5	2	1,13	
	89	107	16,28	11121	953,8	2	1,01	
	164	198	8,85	16063	518,1	2	2,03	MW882_I132D
	134	162	10,79	16063	631,9	2	1,92	
	115	138	12,64	16063	740,5	2	1,82	
	98	118	14,86	16063	870,4	2	1,72	
	85	103	17,05	16063	998,7	2	1,62	
	72	87	20,12	16063	1178,7	2	1,50	
	66	80	21,81	16063	1277,6	2	1,44	
	60	72	24,25	16063	1420,5	2	1,29	
	55	66	26,34	16063	1543,0	2	1,19	
	50	60	29,14	16063	1706,7	2	1,08	
	152	184	9,52	24166	557,6	2	2,20	MW1082_I132D
	131	158	11,08	24166	648,7	2	2,20	
	118	143	12,28	24166	719,0	2	2,20	
	99	120	14,59	24166	854,4	2	2,20	
	86	104	16,83	24166	986,0	2	2,20	
	73	88	19,78	24166	1158,6	2	2,14	
	68	83	21,18	24166	1240,3	2	1,96	
	58	70	24,89	24166	1457,9	2	1,79	
	51	61	28,56	24166	1672,7	2	1,65	
	43	52	33,71	24166	1974,3	2	1,49	
	40	48	36,54	24166	2140,0	2	1,42	
	36	43	40,62	24166	2379,3	2	1,33	
	33	40	44,12	24166	2584,4	2	1,26	
	30	36	48,81	24166	2858,7	2	1,15	
	28	33	52,40	24166	3069,0	2	1,07	
	30	36	49,04	24166	2872,3	3	1,14	MW1083_I132D
	137	166	10,56	30146	618,7	2	2,16	MW1282_I132D
	116	140	12,47	30146	730,5	2	2,08	
	104	126	13,92	30146	815,6	2	2,02	
	89	108	16,27	30146	953,0	2	1,93	
	78	94	18,65	30146	1092,6	2	1,83	
	67	81	21,57	30146	1263,2	2	1,73	
	65	78	22,39	30146	1311,1	2	1,70	
	59	71	24,77	30146	1450,8	2	1,62	
	61	73	23,96	30146	1403,6	2	2,20	
	52	63	27,66	30146	1619,9	2	2,20	
	45	54	32,50	30146	1903,4	2	2,20	
	39	48	36,83	30146	2157,0	2	2,20	
	34	40	43,21	30146	2531,1	2	2,10	
	31	37	47,14	30146	2761,2	2	1,96	
	28	34	51,43	30146	3012,1	2	1,83	
	26	32	55,50	30146	3250,5	2	1,70	
	23	28	62,03	30146	3632,9	2	1,52	
	22	26	66,44	30146	3891,6	2	1,42	
	20,3	24	71,45	30146	4184,8	2	1,32	
	18,8	23	77,17	30146	4519,9	2	1,22	
	33	40	43,47	30146	2546,0	3	2,20	MW1283_I132D
	29	35	50,57	30146	2962,1	3	1,99	
	26	31	56,05	30146	3283,0	3	1,80	
	22	26	66,61	30146	3901,3	3	1,51	
	18,9	23	76,87	30146	4502,4	3	1,31	
	16,1	19	90,32	30146	5290,4	3	1,12	
	125	151	11,61	48183	680,0	2	2,19	MW1482_I132D
	109	131	13,32	48183	779,9	2	2,13	
	99	119	14,68	48183	859,6	2	2,08	
	84	101	17,35	48183	1016,5	2	1,98	
	73	88	19,78	51057	1158,5	2	1,89	
	64	77	22,74	51057	1332,2	2	1,78	
	56	67	26,00	51057	1522,9	2	1,67	
	55	66	26,51	51057	1552,7	2	2,20	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	48	58	30,39	51057	1780,2	2	2,20	
	41	50	35,14	51057	2058,1	2	2,20	
	40	48	36,47	51057	2136,2	2	2,20	
	36	43	40,36	51057	2363,8	2	2,18	
	31	37	47,23	51057	2766,5	2	1,94	
	28	34	51,15	51057	2996,1	2	1,82	
	25	31	57,09	51057	3343,8	2	1,66	
	24	29	60,53	51057	3545,1	2	1,58	
	21	26	68,61	51057	4018,8	2	1,43	
	19,7	24	73,42	51057	4300,1	2	1,35	
	18,8	23	77,21	51057	4522,6	2	1,29	
	17,4	21	83,32	51057	4880,0	2	1,21	
	32	39	45,18	51057	2646,2	3	2,20	MW1483_I132D
	27	33	53,34	51057	3124,1	3	2,13	
	24	29	59,55	51057	3488,2	3	2,07	
	21	25	69,59	51057	4075,9	3	1,98	
	18,2	22	79,78	51057	4672,9	3	1,80	
	15,7	19	92,24	51057	5402,6	3	1,56	
	15,1	18	95,74	51057	5607,5	3	1,50	
	13,7	17	105,94	51057	6204,9	3	1,36	
	11,7	14	123,98	51057	7262,0	3	1,16	
	10,8	13	134,28	51057	7864,7	3	1,07	
	100	121	14,51	74076	849,7	2	2,19	MW1682_132D
	88	106	16,53	74076	968,5	2	2,13	
	80	97	18,13	79610	1062,1	2	2,08	
	66	80	21,85	79610	1280,0	2	1,95	
	60	72	24,28	79610	1421,9	2	1,88	
	53	64	27,50	79610	1610,9	2	1,78	
	45	55	32,07	88564	1878,3	2	2,20	
	40	48	36,55	88564	2140,8	2	2,20	
	34	42	42,03	88564	2461,6	2	2,19	
	30	36	48,04	90001	2814,0	2	2,13	
	26	31	55,68	90001	3261,0	2	1,95	
	24	29	60,66	90001	3552,9	2	1,82	
	21	26	67,58	90001	3958,0	2	1,66	
	20,3	24	71,58	90001	4192,5	2	1,58	
	18	22	80,50	90001	4715,0	2	1,43	
	16,8	20	86,06	90001	5040,8	2	1,35	
	24	30	59,27	90001	3471,3	3	2,19	MW1683_I132D
	21	26	67,98	90001	3981,5	3	2,13	
	19,4	23	74,92	90001	4388,2	3	2,08	
	16,4	20	88,59	90001	5189,1	3	1,98	
	14,4	17	100,98	90001	5914,3	3	1,88	
	12,5	15	116,11	90001	6800,7	3	1,78	
	10,9	13	132,73	90001	7774,1	3	1,67	
	9,4	11	153,81	90001	9009,0	3	1,44	
	8,7	10	167,58	90001	9815,5	3	1,32	
	7,8	9	186,69	90001	10934,6	3	1,18	
	7,3	9	197,75	90001	11582,5	3	1,12	
11 (50 Hz)	**164**	198	8,85	16063	619,5	2	2,56	MW882_I160D
13 (60 Hz)	**134**	162	10,79	16063	755,6	2	2,43	
	115	138	12,64	16063	885,4	2	2,08	
	98	118	14,86	16063	1040,8	2	1,77	
	85	103	17,05	16063	1194,1	2	1,54	
	72	87	20,12	16063	1409,4	2	1,30	
	66	80	21,81	16063	1527,6	2	1,20	
	60	72	24,25	16063	1698,5	2	1,08	
	55	66	26,34	16063	1844,9	2	1,00	
	152	184	9,52	24166	666,7	2	2,56	MW1082_I160D
	131	158	11,08	24166	775,6	2	2,56	
	118	143	12,28	24166	859,7	2	2,56	
	99	120	14,59	24166	1021,6	2	2,56	
	86	104	16,83	24166	1179,0	2	2,45	
	73	88	19,78	24166	1385,3	2	2,27	
	68	83	21,18	24166	1482,9	2	1,64	
	58	70	24,89	24166	1743,2	2	1,50	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	51	61	28,56	24166	2000,1	2	1,38	
	43	52	33,71	24166	2360,6	2	1,25	
	40	48	36,54	24166	2558,7	2	1,19	
	36	43	40,62	24166	2844,8	2	1,11	
	33	40	44,12	24166	3090,1	2	1,05	
	211	255	6,86	30146	480,2	2	2,56	MW1282_I160D
	159	192	9,12	30146	638,9	2	2,56	
	137	166	10,56	30146	739,8	2	2,56	
	116	140	12,47	30146	873,4	2	2,56	
	104	126	13,92	30146	975,2	2	2,56	
	89	108	16,27	30146	1139,5	2	2,56	
	78	94	18,65	30146	1306,4	2	2,56	
	67	81	21,57	30146	1510,4	2	2,56	
	65	78	22,39	30146	1567,7	2	2,56	
	59	71	24,77	30146	1734,7	2	2,44	
	61	73	23,96	30146	1678,3	2	2,56	
	52	63	27,66	30146	1936,9	2	2,56	
	45	54	32,50	30146	2275,9	2	2,34	
	39	48	36,83	30146	2579,0	2	2,14	
	34	40	43,21	30146	3026,4	2	1,82	
	31	37	47,14	30146	3301,5	2	1,67	
	28	34	51,43	30146	3601,4	2	1,53	
	26	32	55,50	30146	3886,5	2	1,42	
	23	28	62,03	30146	4343,8	2	1,27	
	22	26	66,44	30146	4653,1	2	1,18	
	33	40	43,47	30146	3044,2	3	1,94	MW1283_I160D
	29	35	50,57	30146	3541,7	3	1,67	
	26	31	56,05	30146	3925,4	3	1,50	
	22	26	66,61	30146	4664,6	3	1,26	
	18,9	23	76,87	30146	5383,4	3	1,10	
	192	232	7,54	42988	528,3	2	2,56	MW1482_I160D
	147	177	9,86	42988	690,3	2	2,56	
	125	151	11,61	48183	813,0	2	2,56	
	109	131	13,32	48183	932,5	2	2,56	
	99	119	14,68	48183	1027,8	2	2,56	
	84	101	17,35	48183	1215,4	2	2,56	
	73	88	19,78	51057	1385,2	2	2,56	
	64	77	22,74	51057	1592,9	2	2,56	
	56	67	26,00	51057	1820,8	2	2,56	
	55	66	26,51	51057	1856,5	2	2,56	
	48	58	30,39	51057	2128,5	2	2,56	
	41	50	35,14	51057	2460,9	2	2,56	
	40	48	36,47	51057	2554,2	2	2,56	
	36	43	40,36	51057	2826,3	2	2,44	
	31	37	47,23	51057	3307,8	2	2,16	
	28	34	51,15	51057	3582,3	2	2,03	
	25	31	57,09	51057	3998,1	2	1,86	
	24	29	60,53	51057	4238,8	2	1,77	
	21	26	68,61	51057	4805,2	2	1,60	
	19,7	24	73,42	51057	5141,5	2	1,50	
	49	60	29,33	51057	2053,7	3	2,56	MW1483_I160D
	37	45	39,02	51057	2732,5	3	2,56	
	32	39	45,18	51057	3164,0	3	2,56	
	27	33	53,34	51057	3735,5	3	2,25	
	24	29	59,55	51057	4170,7	3	2,02	
	21	25	69,59	51057	4873,4	3	1,73	
	18,2	22	79,78	51057	5587,3	3	1,51	
	15,7	19	92,24	51057	6459,8	3	1,30	
	15,1	18	95,74	51057	6704,7	3	1,25	
	13,7	17	105,94	51057	7419,1	3	1,13	
	149	180	9,71	67786	680,0	2	2,56	MW1682_I160D
	116	140	12,47	74076	873,1	2	2,56	
	100	121	14,51	74076	1015,9	2	2,56	
	88	106	16,53	74076	1158,0	2	2,56	
	80	97	18,13	79610	1269,9	2	2,56	
	66	80	21,85	79610	1530,4	2	2,56	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	60	72	24,28	79610	1700,1	2	2,56	
	53	64	27,50	79610	1926,1	2	2,56	
	45	55	32,07	88564	2245,8	2	2,56	
	40	48	36,55	88564	2559,7	2	2,56	
	34	42	42,03	88564	2943,3	2	2,56	
	30	36	48,04	90001	3364,6	2	2,46	
	26	31	55,68	90001	3899,1	2	2,19	
	24	29	60,66	90001	4248,1	2	2,04	
	21	26	67,58	90001	4732,4	2	1,87	
	20,3	24	71,58	90001	5012,9	2	1,79	
	18	22	80,50	90001	5637,6	2	1,62	
	16,8	20	86,06	90001	6027,2	2	1,53	
	38	45	38,51	90001	2697,1	3	2,56	MW1683_160D
	29	35	50,32	90001	3524,0	3	2,56	
	24	30	59,27	90001	4150,5	3	2,56	
	21	26	67,98	90001	4760,5	3	2,56	
	19,4	23	74,92	90001	5246,9	3	2,47	
	16,4	20	88,59	90001	6204,4	3	2,09	
	14,4	17	100,98	90001	7071,6	3	1,83	
	12,5	15	116,11	90001	8131,4	3	1,59	
	10,9	13	132,73	90001	9295,3	3	1,39	
	9,4	11	153,81	90001	10771,8	3	1,20	
	8,7	10	167,58	90001	11736,1	3	1,10	
15 (50 Hz)	**164**	198	8,85	16063	844,8	2	1,87	MW882_I160D
18 (60 Hz)	**134**	162	10,79	16063	1030,4	2	1,78	
	115	138	12,64	16063	1207,3	2	1,52	
	98	118	14,86	16063	1419,2	2	1,29	
	85	103	17,05	16063	1628,3	2	1,13	
	152	184	9,52	24166	909,1	2	1,87	MW1082_I160D
	131	158	11,08	24166	1057,7	2	1,87	
	118	143	12,28	24166	1172,3	2	1,87	
	99	120	14,59	24166	1393,0	2	1,87	
	86	104	16,83	24166	1607,7	2	1,79	
	73	88	19,78	24166	1889,1	2	1,67	
	68	83	21,18	24166	2022,2	2	1,20	
	58	70	24,89	24166	2377,1	2	1,10	
	51	61	28,56	24166	2727,4	2	1,01	
	211	255	6,86	30146	654,8	2	1,87	MW1282_I160D
	159	192	9,12	30146	871,2	2	1,87	
	137	166	10,56	30146	1008,8	2	1,87	
	116	140	12,47	30146	1191,0	2	1,87	
	104	126	13,92	30146	1329,8	2	1,87	
	89	108	16,27	30146	1553,8	2	1,87	
	78	94	18,65	30146	1781,5	2	1,87	
	67	81	21,57	30146	2059,6	2	1,87	
	65	78	22,39	30146	2137,7	2	1,87	
	59	71	24,77	30146	2365,5	2	1,79	
	61	73	23,96	30146	2288,6	2	1,87	
	52	63	27,66	30146	2641,2	2	1,87	
	45	54	32,50	30146	3103,4	2	1,72	
	39	48	36,83	30146	3516,9	2	1,57	
	34	40	43,21	30146	4126,9	2	1,34	
	31	37	47,14	30146	4502,1	2	1,22	
	28	34	51,43	30146	4911,0	2	1,12	
	26	32	55,50	30146	5299,8	2	1,04	
	33	40	43,47	30146	4151,2	3	1,42	MW1283_I160D
	29	35	50,57	30146	4829,6	3	1,22	
	26	31	56,05	30146	5352,9	3	1,10	
	192	232	7,54	42988	720,4	2	1,87	MW1482_I160D
	147	177	9,86	42988	941,3	2	1,87	
	125	151	11,61	48183	1108,7	2	1,87	
	109	131	13,32	48183	1271,6	2	1,87	
	99	119	14,68	48183	1401,6	2	1,87	
	84	101	17,35	48183	1657,3	2	1,87	
	73	88	19,78	51057	1889,0	2	1,87	
	64	77	22,74	51057	2172,1	2	1,87	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	56	67	26,00	51057	2483,0	2	1,86	
	55	66	26,51	51057	2531,7	2	1,87	
	48	58	30,39	51057	2902,5	2	1,87	
	41	50	35,14	51057	3355,7	2	1,87	
	40	48	36,47	51057	3483,0	2	1,87	
	36	43	40,36	51057	3854,1	2	1,79	
	31	37	47,23	51057	4510,6	2	1,59	
	28	34	51,15	51057	4885,0	2	1,49	
	25	31	57,09	51057	5452,0	2	1,36	
	24	29	60,53	51057	5780,2	2	1,30	
	21	26	68,61	51057	6552,5	2	1,17	
	19,7	24	73,42	51057	7011,1	2	1,10	
	49	60	29,33	51057	2800,5	3	1,87	MW1483_I160D
	37	45	39,02	51057	3726,2	3	1,87	
	32	39	45,18	51057	4314,5	3	1,87	
	27	33	53,34	51057	5093,8	3	1,65	
	24	29	59,55	51057	5687,3	3	1,48	
	21	25	69,59	51057	6645,6	3	1,27	
	18,2	22	79,78	51057	7619,0	3	1,10	
	149	180	9,71	67786	927,3	2	1,87	MW1682_I160D
	116	140	12,47	74076	1190,6	2	1,87	
	100	121	14,51	74076	1385,4	2	1,87	
	88	106	16,53	74076	1579,0	2	1,87	
	80	97	18,13	79610	1731,7	2	1,87	
	66	80	21,85	79610	2086,9	2	1,87	
	60	72	24,28	79610	2318,3	2	1,87	
	53	64	27,50	79610	2626,4	2	1,87	
	45	55	32,07	88564	3062,5	2	1,87	
	40	48	36,55	88564	3490,5	2	1,87	
	34	42	42,03	90001	4013,6	2	1,87	
	30	36	48,04	90001	4588,1	2	1,80	
	26	31	55,68	90001	5316,9	2	1,61	
	24	29	60,66	90001	5792,9	2	1,50	
	21	26	67,58	90001	6453,3	2	1,37	
	20,3	24	71,58	90001	6835,7	2	1,31	
	18	22	80,50	90001	7687,7	2	1,19	
	16,8	20	86,06	90001	8218,9	2	1,12	
	38	45	38,51	90001	3677,8	3	1,87	MW1683_I160D
	29	35	50,32	90001	4805,5	3	1,87	
	24	30	59,27	90001	5659,8	3	1,87	
	21	26	67,98	90001	6491,6	3	1,87	
	19,4	23	74,92	90001	7154,9	3	1,81	
	16,4	20	88,59	90001	8460,6	3	1,53	
	14,4	17	100,98	90001	9643,0	3	1,34	
	12,5	15	116,11	90001	11088,3	3	1,17	
	10,9	13	132,73	90001	12675,4	3	1,02	
18,5 (50 Hz)	**152**	184	9,52	24166	1121,3	2	2,48	MW1082_I180D
22 (60 Hz)	**131**	158	11,08	24166	1304,5	2	2,21	
	118	143	12,28	24166	1445,8	2	2,03	
	99	120	14,59	24166	1718,1	2	1,77	
	86	104	16,83	24166	1982,9	2	1,57	
	73	88	19,78	24166	2329,9	2	1,37	
	211	255	6,86	30146	807,3	2	3,09	MW1282_180D
	159	192	9,12	30146	1074,2	2	3,09	
	137	166	10,56	30146	1243,8	2	3,09	
	116	140	12,47	30146	1468,4	2	3,09	
	104	126	13,92	30146	1639,5	2	3,00	
	89	108	16,27	30146	1915,8	2	2,64	
	78	94	18,65	30146	2196,4	2	2,35	
	67	81	21,57	30146	2539,3	2	2,08	
	65	78	22,39	30146	2635,6	2	2,01	
	59	71	24,77	30146	2916,5	2	1,84	
	61	73	23,96	30146	2821,6	2	1,74	
	52	63	27,66	30146	3256,4	2	1,56	
	45	54	32,50	30146	3826,3	2	1,39	
	39	48	36,83	30146	4336,0	2	1,27	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	34	40	43,21	30146	5088,1	2	1,08	
	33	40	43,47	30146	5118,1	3	1,15	MW1283_I180D
	192	232	7,54	42988	888,2	2	3,09	MW1482_I180D
	147	177	9,86	42988	1160,6	2	3,09	
	125	151	11,61	48183	1366,9	2	3,09	
	109	131	13,32	48183	1567,8	2	3,09	
	99	119	14,68	48183	1728,0	2	3,09	
	84	101	17,35	48183	2043,4	2	3,05	
	73	88	19,78	51057	2328,9	2	2,72	
	64	77	22,74	51057	2678,0	2	2,41	
	56	67	26,00	51057	3061,3	2	2,15	
	55	66	26,51	51057	3121,3	2	2,48	
	48	58	30,39	51057	3578,5	2	2,16	
	41	50	35,14	51057	4137,3	2	1,87	
	40	48	36,47	51057	4294,2	2	1,80	
	36	43	40,36	51057	4751,7	2	1,63	
	31	37	47,23	51057	5561,2	2	1,39	
	28	34	51,15	51057	6022,8	2	1,28	
	25	31	57,09	51057	6721,8	2	1,15	
	24	29	60,53	51057	7126,5	2	1,09	
	49	60	29,33	51057	3452,8	3	2,21	MW1483_I180D
	37	45	39,02	51057	4594,0	3	1,83	
	32	39	45,18	51057	5319,4	3	1,58	
	27	33	53,34	51057	6280,2	3	1,34	
	24	29	59,55	51057	7011,9	3	1,20	
	21	25	69,59	51057	8193,4	3	1,03	
	188	227	7,71	67786	908,3	2	3,09	MW1682_I180D
	149	180	9,71	67786	1143,3	2	3,09	
	116	140	12,47	74076	1467,8	2	3,09	
	100	121	14,51	74076	1708,0	2	3,09	
	88	106	16,53	74076	1946,8	2	3,09	
	80	97	18,13	79610	2135,0	2	3,09	
	66	80	21,85	79610	2573,0	2	2,99	
	60	72	24,28	79610	2858,3	2	2,77	
	53	64	27,50	79610	3238,2	2	2,52	
	46	55	31,83	88564	3748,0	2	2,24	
	45	55	32,07	88564	3775,8	2	3,09	
	40	48	36,55	88564	4303,5	2	2,79	
	34	42	42,03	88564	4948,4	2	2,42	
	30	36	48,04	90001	5656,7	2	2,12	
	26	31	55,68	90001	6555,3	2	1,83	
	24	29	60,66	90001	7142,1	2	1,68	
	21	26	67,58	90001	7956,4	2	1,51	
	20,3	24	71,58	90001	8427,8	2	1,42	
	38	45	38,51	90001	4534,4	3	2,86	MW1683_I180D
	29	35	50,32	90001	5924,8	3	2,19	
	24	30	59,27	90001	6978,0	3	1,86	
	21	26	67,98	90001	8003,6	3	1,62	
	19,4	23	74,92	90001	8821,3	3	1,47	
	16,4	20	88,59	90001	10431,2	3	1,24	
	14,4	17	100,98	90001	11889,0	3	1,09	
22 (50 Hz) 26 (60 Hz)	**152**	184	9,52	24166	1333,4	2	2,08	MW1082_I180D
	131	158	11,08	24166	1551,3	2	1,85	
	118	143	12,28	24166	1719,4	2	1,71	
	99	120	14,59	24166	2043,2	2	1,49	
	86	104	16,83	24166	2358,0	2	1,32	
	73	88	19,78	24166	2770,7	2	1,16	
	211	255	6,86	30146	960,3	2	2,60	MW1282_I180D
	159	192	9,12	30146	1277,7	2	2,60	
	137	166	10,56	30146	1479,5	2	2,60	
	116	140	12,47	30146	1746,7	2	2,60	
	104	126	13,92	30146	1950,2	2	2,52	
	89	108	16,27	30146	2278,8	2	2,22	
	78	94	18,65	30146	2612,6	2	1,98	
	67	81	21,57	30146	3020,6	2	1,75	
	65	78	22,39	30146	3135,1	2	1,69	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	59	71	24,77	30146	3469,2	2	1,55	
	61	73	23,96	30146	3356,3	2	1,46	
	52	63	27,66	30146	3873,5	2	1,32	
	45	54	32,50	30146	4551,4	2	1,17	
	39	48	36,83	30146	5157,7	2	1,07	
	192	232	7,54	42988	1056,6	2	2,60	MW1482_I180D
	147	177	9,86	42988	1380,5	2	2,60	
	125	151	11,61	48183	1626,0	2	2,60	
	109	131	13,32	48183	1865,0	2	2,60	
	99	119	14,68	48183	2055,5	2	2,60	
	84	101	17,35	48183	2430,6	2	2,56	
	73	88	19,78	51057	2770,3	2	2,29	
	64	77	22,74	51057	3185,5	2	2,03	
	56	67	26,00	51057	3641,4	2	1,81	
	55	66	26,51	51057	3712,8	2	2,08	
	48	58	30,39	51057	4256,7	2	1,82	
	41	50	35,14	51057	4921,4	2	1,57	
	40	48	36,47	51057	5108,0	2	1,51	
	36	43	40,36	51057	5652,2	2	1,37	
	31	37	47,23	51057	6615,1	2	1,17	
	28	34	51,15	51057	7164,2	2	1,08	
	49	60	29,33	51057	4107,1	3	1,86	MW1483_180D
	37	45	39,02	51057	5464,7	3	1,54	
	32	39	45,18	51057	6327,5	3	1,33	
	27	33	53,34	51057	7470,4	3	1,13	
	24	29	59,55	51057	8340,8	3	1,01	
	188	227	7,71	67786	1080,5	2	2,60	MW1682_180D
	149	180	9,71	67786	1360,0	2	2,60	
	116	140	12,47	74076	1746,0	2	2,60	
	100	121	14,51	74076	2031,7	2	2,60	
	88	106	16,53	74076	2315,8	2	2,60	
	80	97	18,13	79610	2539,7	2	2,60	
	66	80	21,85	79610	3060,6	2	2,52	
	60	72	24,28	79610	3400,0	2	2,33	
	53	64	27,50	79610	3851,8	2	2,12	
	46	55	31,83	88564	4458,3	2	1,89	
	45	55	32,07	88564	4491,3	2	2,60	
	40	48	36,55	88564	5119,0	2	2,34	
	34	42	42,03	88564	5886,2	2	2,04	
	30	36	48,04	90001	6728,8	2	1,78	
	26	31	55,68	90001	7797,6	2	1,54	
	24	29	60,66	90001	8495,6	2	1,41	
	21	26	67,58	90001	9464,3	2	1,27	
	20,3	24	71,58	90001	10025,0	2	1,20	
	38	45	38,51	90001	5393,8	3	2,40	MW1683_180D
	29	35	50,32	90001	7047,6	3	1,84	
	24	30	59,27	90001	8300,5	3	1,56	
	21	26	67,98	90001	9520,4	3	1,36	
	19,4	23	74,92	90001	10493,1	3	1,23	
	16,4	20	88,59	90001	12408,0	3	1,04	
30 (50 Hz)	**152**	184	9,52	24166	1818,3	2	1,53	MW1082_I200D
36 (60 Hz)	**131**	158	11,08	24166	2115,4	2	1,36	
	118	143	12,28	24166	2344,6	2	1,25	
	99	120	14,59	24166	2786,1	2	1,09	
	211	255	6,86	30146	1309,6	2	1,91	MW1282_I200D
	159	192	9,12	30146	1742,5	2	1,91	
	137	166	10,56	30146	2017,6	2	1,91	
	116	140	12,47	30146	2382,0	2	1,91	
	104	126	13,92	30146	2659,6	2	1,85	
	89	108	16,27	30146	3107,7	2	1,63	
	78	94	18,65	30146	3562,9	2	1,45	
	67	81	21,57	30146	4119,3	2	1,28	
	65	78	22,39	30146	4275,5	2	1,24	
	59	71	24,77	30146	4731,0	2	1,14	
	61	73	23,96	30146	4577,1	2	1,07	
	192	232	7,54	42988	1440,9	2	1,91	MW1482_I200D

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	147	177	9,86	42988	1882,7	2	1,91	
	125	151	11,61	48183	2217,4	2	1,91	
	109	131	13,32	48183	2543,3	2	1,91	
	99	119	14,68	48183	2803,1	2	1,91	
	84	101	17,35	48183	3314,7	2	1,88	
	73	88	19,78	51057	3777,9	2	1,68	
	64	77	22,74	51057	4344,1	2	1,49	
	56	67	26,00	51057	4965,9	2	1,32	
	55	66	26,51	51057	5063,3	2	1,53	
	48	58	30,39	51057	5805,0	2	1,33	
	41	50	35,14	51057	6711,5	2	1,15	
	40	48	36,47	51057	6966,0	2	1,11	
	36	43	40,36	51057	7708,1	2	1,00	
	49	60	29,33	51057	5601,0	3	1,36	MW1483_I200D
	37	45	39,02	51057	7452,3	3	1,13	
	188	227	7,71	67786	1473,4	2	1,91	MW1682_I200D
	149	180	9,71	67786	1854,7	2	1,91	
	116	140	12,47	74076	2381,1	2	1,91	
	100	121	14,51	74076	2770,7	2	1,91	
	88	106	16,53	74076	3158,1	2	1,91	
	80	97	18,13	79610	3463,4	2	1,91	
	66	80	21,85	79610	4173,8	2	1,85	
	60	72	24,28	79610	4636,7	2	1,71	
	53	64	27,50	79610	5252,9	2	1,55	
	46	55	31,83	88564	6079,9	2	1,38	
	45	55	32,07	88564	6125,0	2	1,91	
	40	48	36,55	88564	6981,0	2	1,72	
	34	42	42,03	88564	8027,2	2	1,49	
	30	36	48,04	90001	9176,2	2	1,31	
	26	31	55,68	90001	10633,8	2	1,13	
	24	29	60,66	90001	11585,8	2	1,03	
	38	45	38,51	90001	7355,6	3	1,76	MW1683_I200D
	29	35	50,32	90001	9611,0	3	1,35	
	24	30	59,27	90001	11319,6	3	1,14	
	21	26	67,98	90001	12983,3	3	1,00	
37 (50 Hz)	**211**	255	6,86	30146	1615,2	2	2,23	MW1282_I225D
44 (60 Hz)	**159**	192	9,12	30146	2149,1	2	1,94	
	137	166	10,56	30146	2488,4	2	1,80	
	116	140	12,47	30146	2937,9	2	1,64	
	104	126	13,92	30146	3280,2	2	1,50	
	89	108	16,27	30146	3832,9	2	1,32	
	78	94	18,65	30146	4394,3	2	1,18	
	67	81	21,57	30146	5080,5	2	1,04	
	65	78	22,39	30146	5273,2	2	1,01	
	192	232	7,54	42988	1777,1	2	2,30	MW1482_I225D
	147	177	9,86	42988	2322,0	2	2,13	
	125	151	11,61	48183	2734,8	2	1,94	
	109	131	13,32	48183	3136,8	2	1,78	
	99	119	14,68	48183	3457,2	2	1,67	
	84	101	17,35	48183	4088,2	2	1,49	
	73	88	19,78	51057	4659,5	2	1,36	
	64	77	22,74	51057	5357,9	2	1,21	
	56	67	26,00	51057	6124,8	2	1,07	
	55	66	26,51	51057	6244,8	2	1,24	
	48	58	30,39	51057	7159,6	2	1,08	
	49	60	29,33	51057	6908,0	3	1,11	MW1483_I225D
	188	227	7,71	67786	1817,3	2	2,29	MW1682_I225D
	149	180	9,71	67786	2287,5	2	2,24	
	116	140	12,47	74076	2936,7	2	2,09	
	100	121	14,51	74076	3417,3	2	1,91	
	88	106	16,53	74076	3895,1	2	1,75	
	80	97	18,13	79610	4271,6	2	1,64	
	66	80	21,85	79610	5147,8	2	1,44	
	60	72	24,28	79610	5718,6	2	1,33	
	53	64	27,50	79610	6478,6	2	1,21	
	46	55	31,83	88564	7498,7	2	1,08	

Quantis® reducers

MSM B5 flanged gearmotor selection

Ratings are for a Quantis reducer and a B5 flanged motor combination. B5 flanged motor must be ordered separately.

P_{Mot} (kW)	$n_{2(50)}$ [1/min^{-1}]	$n_{2(60)}$ [1/min^{-1}]	(i) [-]	F_R [N]	T_2 [Nm]	ST [-]	f_{B1} [-]	Unit designation
	45	55	32,07	88564	7554,2	2	1,49	
	40	48	36,55	88564	8610,0	2	1,36	
	34	42	42,03	88564	9900,4	2	1,21	
	30	36	48,04	90001	11317,5	2	1,06	
	38	45	38,51	90001	9072,1	3	1,43	MW1683_I225D
	29	35	50,32	90001	11853,8	3	1,09	
45 (50 Hz)	**211**	255	6,86	30146	1964,4	2	1,83	MW1282_I225D
54 (60 Hz)	**159**	192	9,12	30146	2613,8	2	1,59	
	137	166	10,56	30146	3026,5	2	1,48	
	116	140	12,47	30146	3573,1	2	1,35	
	104	126	13,92	30146	3989,4	2	1,23	
	89	108	16,27	30146	4661,6	2	1,08	
	192	232	7,54	42988	2161,3	2	1,89	MW1482_I225D
	147	177	9,86	42988	2824,0	2	1,75	
	125	151	11,61	48183	3326,1	2	1,59	
	109	131	13,32	48183	3814,9	2	1,46	
	99	119	14,68	48183	4204,7	2	1,37	
	84	101	17,35	48183	4972,0	2	1,23	
	73	88	19,78	51057	5666,9	2	1,12	
	55	66	26,51	51057	7595,0	2	1,02	
	188	227	7,71	67786	2210,2	2	1,88	MW1682_I225D
	149	180	9,71	67786	2782,0	2	1,84	
	116	140	12,47	74076	3571,7	2	1,72	
	100	121	14,51	74076	4156,1	2	1,57	
	88	106	16,53	74076	4737,1	2	1,44	
	80	97	18,13	79610	5195,1	2	1,35	
	66	80	21,85	79610	6260,7	2	1,18	
	60	72	24,28	79610	6955,0	2	1,09	
	45	55	32,07	88564	9187,4	2	1,23	
	40	48	36,55	88564	10471,5	2	1,12	
	34	42	42,03	88564	12040,8	2	1,00	
	38	45	38,51	90001	11033,4	3	1,17	MW1683_I225D
55 (50 Hz)	**192**	232	7,54	42988	2641,7	2	1,63	MW1482_I250D
66 (60 Hz)	**147**	177	9,86	42988	3451,7	2	1,41	
	125	151	11,61	48183	4065,3	2	1,28	
	109	131	13,32	48183	4662,8	2	1,18	
	99	119	14,68	48183	5139,1	2	1,11	
	188	227	7,71	67786	2792,9	2	1,78	MW1682_I250D
	149	180	9,71	67786	3517,4	2	1,63	
	116	140	12,47	74076	4517,2	2	1,42	
	100	121	14,51	74076	5256,1	2	1,29	
	88	106	16,53	74076	5987,9	2	1,18	
	80	97	18,13	79610	6567,4	2	1,11	

Quantis® reducers

MSM B5 flanged gearmotor selection

MW38-IEC

Clamp Collar – 3 Pc Coupled – Free Input

P_{Mot} = Rated Power of Gear Reducer (max.) *
$n_{2(50)}$ = Output speed at 1450 RPM (50Hz)
$n_{2(60)}$ = Output speed at 1750 RPM (60Hz)
(i) = Ratio of gear
F_R = Overhung Load *
T_2 = Output torque
ST = Gear Stage
f_B = Service Factor

* For standard shaft diameters; for optional shaft diameters see page 190-191.

Output rating					IEC motor adapter							
					71		80		90		100	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
148	179	9,80	3016	2	1,25	80	1,52	98	3,09	199	4,60	297
127	154	11,39	3132	2	1,25	94	1,52	114	3,09	232	4,27	320
115	138	12,64	3132	2	1,25	104	1,52	126	3,09	257	3,96	330
105	127	13,76	3132	2	1,25	113	1,52	138	3,08	279	3,64	330
94	114	15,39	3132	2	1,25	126	1,52	154	2,94	298	3,26	330
86	104	16,83	3132	2	1,25	138	1,52	168	2,82	312	2,98	330
79	95	18,47	3140	2	1,25	152	1,52	185	2,69	328	2,71	330
71	86	20,37	3140	2	1,22	164	1,52	204	2,46	330	2,46	330
64	78	22,58	3140	2	1,14	169	1,52	226	2,22	330	2,22	330
57	68	25,58	4030	2	1,03	174	1,52	256	1,96	330	1,96	330
51	62	28,22	4030	2	0,96	178	1,46	272	1,78	330	1,78	330
45	55	31,91	4030	2	0,87	183	1,37	287	1,57	330	1,57	330
40	48	36,43	4030	2	0,78	187	1,25	302	1,38	330	–	–
38	46	38,19	4030	2	0,91	229	1,19	300	1,19	300	–	–
33	40	43,43	4030	2	0,82	236	1,05	300	1,05	300	–	–
29	35	49,56	4280	2	0,74	242	0,92	300	0,92	300	–	–
26	31	55,84	4280	2	0,67	248	0,82	300	0,82	300	–	–
23	28	62,40	4280	2	0,61	252	0,73	300	0,73	300	–	–
20	25	71,18	4280	2	0,55	257	0,64	300	–	–	–	–
18	22	80,17	4280	2	0,50	261	–	–	–	–	–	–
36	44	40,04	4030	3	1,25	329	1,25	330	1,25	330	–	–
33	40	44,05	4280	3	1,14	330	1,14	330	1,14	330	–	–
28	34	51,16	4280	3	0,98	330	0,98	330	0,98	330	–	–
26	32	55,40	4280	3	0,90	330	0,90	330	0,90	330	–	–
23	28	62,66	4280	3	0,80	330	0,80	330	0,80	330	–	–
21	25	68,86	4280	3	0,73	330	0,73	330	0,73	330	–	–
19	23	75,95	4280	3	0,66	330	0,66	330	0,66	330	–	–
17	21	84,13	4280	3	0,59	330	0,60	330	0,59	330	–	–
15	19	93,67	4280	3	0,54	330	0,53	330	0,54	330	–	–
13	16	107,49	4280	3	0,46	330	0,46	330	0,46	330	–	–
12	15	118,98	4280	3	0,42	330	0,42	330	0,42	330	–	–
11	13	135,32	4280	3	0,37	330	0,37	330	0,37	330	–	–
9	11	154,43	4280	3	0,33	330	0,33	330	0,33	330	–	–
8	10	173,99	4280	3	0,29	330	0,29	330	0,29	330	–	–
7	9	194,43	4280	3	0,26	330	0,26	330	0,26	330	–	–
7	8	221,77	4280	3	0,23	330	0,23	330	–	–	–	–
6,0	7,0	249,78	4280	3	0,20	330	–		–	–	–	–

f_s = 1,0

Quantis® reducers

MSM B5 flanged gearmotor selection

MW48-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter									
					71		80		90		100		112	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
182	220	7,95	4559	2	-	-	1,52	79	3,09	162	4,76	249	4,76	249
152	183	9,55	4559	2	-	-	1,52	95	3,09	194	4,37	275	4,37	275
129	156	11,24	4884	2	-	-	1,52	112	3,09	229	4,03	299	4,03	299
115	139	12,59	4884	2	1,25	103	1,52	126	3,09	256	3,81	316	3,81	316
103	124	14,11	4884	2	1,25	116	1,52	141	3,09	287	3,58	333	3,58	333
94	114	15,41	4884	2	1,25	127	1,52	154	3,09	314	3,42	347	3,42	347
87	105	16,63	4884	2	1,25	137	1,52	166	3,09	339	4,00	439	4,01	439
75	90	19,34	5049	2	1,25	159	1,52	193	3,09	394	3,70	471	3,70	471
68	82	21,46	5049	2	1,25	176	1,52	215	3,09	437	3,40	480	3,40	480
62	75	23,37	5049	2	1,25	192	1,52	234	3,08	474	3,12	480	3,12	480
55	67	26,14	5049	2	1,25	215	1,52	261	2,79	480	2,79	480	2,79	480
51	61	28,58	5933	2	1,25	235	1,52	286	2,55	480	2,55	480	2,55	480
46	56	31,36	5933	2	1,25	258	1,52	314	2,32	480	2,32	480	2,32	480
42	51	34,58	5933	2	1,22	279	1,52	346	2,11	480	2,11	480	2,11	480
38	46	38,33	5933	2	1,14	287	1,52	383	1,90	480	1,90	480	1,90	480
33	40	43,43	5933	2	1,03	296	1,52	434	1,68	480	1,68	480	1,68	480
30	37	47,92	5933	2	0,96	302	1,46	462	1,52	480	1,52	480	1,52	480
27	32	54,17	5933	2	0,87	310	1,35	480	1,35	480	1,35	480	–	–
23	28	61,86	5933	2	0,78	318	1,18	480	1,18	480	–	–	–	–
21	25	70,33	5933	2	0,70	325	1,04	480	1,04	480	–	–	–	–
19	23	75,27	5933	2	0,66	328	0,97	480	0,97	480	–	–	–	–
17	20	86,77	5933	2	0,46	335	0,83	480	–	–	–	–	–	–
35	43	40,99	5933	3	1,25	337	1,52	410	1,75	473	1,75	473	–	–
30	37	47,66	5933	3	1,25	392	1,52	477	1,58	497	1,58	497	–	–
27	33	52,88	5933	3	1,25	434	1,48	515	1,48	515	1,48	515	–	–
25	30	57,59	5933	3	1,25	473	1,40	529	1,40	529	1,40	529	–	–
23	27	64,41	5933	3	1,25	529	1,27	540	1,27	540	1,27	540	–	–
21	25	70,42	5933	3	1,16	540	1,16	540	1,16	540	1,16	540	–	–
19	23	77,29	5933	3	1,06	540	1,06	540	1,06	540	1,06	540	–	–
17	21	85,22	5933	3	0,96	540	0,96	540	0,96	540	0,96	540	–	–
15,0	19	94,46	5933	3	0,87	540	0,87	540	0,87	540	0,87	540	–	–
14,0	16,0	107,02	5933	3	0,77	540	0,77	540	0,77	540	0,77	540	–	–
12,0	15,0	118,08	5933	3	0,69	540	0,69	540	0,69	540	0,69	540	–	–
11,0	13,0	133,50	5933	3	0,61	540	0,61	540	0,61	540	0,61	540	–	–
10	11,0	152,43	5933	3	0,54	540	0,54	540	0,54	540	–	–	–	–
8,0	10,0	173,31	5933	3	0,47	540	0,47	540	0,48	540	–	–	–	–
8	9,0	185,49	5933	3	0,44	540	0,44	540	0,45	540	–	–	–	–
7,0	8,0	213,83	5933	3	0,38	540	0,37	540	–	–	–	–	–	–

f_s = 1,0

Quantis® reducers

MSM B5 flanged gearmotor selection

MW68-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter											
					71		80		90		100		112		132	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
218	263	6,65	11121	2	-	-	-	-	-	-	6,40	280	8,57	375	16,64	728
181	218	8,02	11121	2	-	-	-	-	-	-	6,40	338	8,57	453	15,69	829
151	182	9,63	11121	2	-	-	1,52	96	3,09	196	6,40	406	8,57	543	14,67	930
128	155	11,29	11121	2	-	-	1,52	113	3,09	230	6,40	476	8,57	637	13,30	988
108	130	13,45	11121	2	-	-	1,52	135	3,09	274	6,40	567	8,49	752	11,29	1000
99	120	14,59	11121	2	1,25	120	1,52	146	3,09	297	6,40	615	8,18	786	10,42	1000
89	107	16,28	11121	2	1,25	134	1,52	163	3,09	331	6,14	659	7,77	833	9,33	1000
82	99	17,64	11121	2	1,25	145	1,52	176	3,09	359	5,91	686	7,47	868	8,61	1000
73	88	19,99	11121	2	1,25	164	1,52	200	3,05	402	5,54	729	7,02	923	7,60	1000
67	81	21,54	11121	2	1,25	177	1,52	215	2,94	417	5,33	756	6,77	961	7,05	1000
62	75	23,29	11121	2	1,25	191	1,52	233	2,82	432	5,12	785	6,52	1000	6,52	1000
54	65	26,75	11121	2	1,25	220	1,52	268	3,09	545	4,83	850	4,83	850	4,83	850
49	60	29,37	11121	2	1,25	241	1,52	294	3,09	598	4,39	850	4,39	850	4,39	850
45	54	32,34	11121	2	1,25	266	1,52	323	3,09	658	3,99	850	3,99	850	3,99	850
41	50	35,10	11121	2	1,25	288	1,52	351	3,09	714	3,68	850	3,68	850	3,68	850
38	46	38,25	11121	2	1,25	314	1,52	383	3,05	769	3,37	850	3,37	850	3,37	850
35	42	41,89	11121	2	1,21	335	1,52	419	2,94	809	3,08	850	3,08	850	3,08	850
31	38	46,14	11121	2	1,12	342	1,52	461	2,80	850	2,80	850	2,80	850	2,80	850
27	33	53,07	11121	2	1,01	352	1,52	531	2,44	850	2,44	850	2,44	850	–	–
25	30	57,49	11121	2	0,95	357	1,52	575	2,24	850	2,24	850	2,24	850	–	–
23	28	63,54	11121	2	0,87	363	1,52	635	2,03	850	2,03	850	–	–	–	–
20	24	74,13	11121	2	0,76	372	1,52	741	1,74	850	–	–	–	–	–	–
18	21	82,52	11121	2	0,69	377	1,49	810	1,56	850	–	–	–	–	–	–
39	47	37,41	11121	3	-	-	1,52	374	3,09	762	4,06	1000	–	–	–	–
32	39	44,94	11121	3	-	-	1,52	449	3,09	915	3,38	1000	–	–	–	–
27	33	52,91	11121	3	-	-	1,52	529	2,87	1000	2,87	1000	–	–	–	–
24	30	59,29	11121	3	1,25	487	1,52	593	2,56	1000	2,57	1000	–	–	–	–
22	26	66,45	11121	3	1,25	546	1,52	665	2,28	1000	2,29	1000	–	–	–	–
20	24	72,54	11121	3	1,25	596	1,52	725	2,09	1000	2,10	1000	–	–	–	–
18	22	79,63	11121	3	1,25	654	1,52	796	1,91	1000	1,91	1000	–	–	–	–
17,0	20	87,68	11121	3	1,25	720	1,52	877	1,73	1000	1,73	1000	–	–	–	–
15,0	18,0	95,16	11121	3	1,25	782	1,52	952	1,60	1000	1,59	1000	–	–	–	–
14,0	17,0	103,72	11121	3	1,25	852	1,46	1000	1,46	1000	1,46	1000	–	–	–	–
13,0	15,0	113,59	11121	3	1,21	908	1,34	1000	1,34	1000	1,34	1000	–	–	–	–
12,0	14,0	125,11	11121	3	1,12	925	1,21	1000	1,21	1000	1,21	1000	–	–	–	–
10	12	143,88	11121	3	1,01	951	1,06	1000	1,06	1000	1,06	1000	–	–	–	–
9,0	11,0	155,87	11121	3	0,94	966	0,98	1000	0,97	1000	0,98	1000	–	–	–	–
8,0	10,0	172,28	11121	3	0,87	982	0,88	1000	0,88	1000	0,88	1000	–	–	–	–
7,0	9,0	200,99	11121	3	0,76	1000	0,75	1000	0,75	1000	–	–	–	–	–	–
6,0	8,0	223,74	11121	3	0,68	1000	0,68	1000	0,68	1000	–	–	–	–	–	–

f_s = 1,0

Quantis® reducers

MSM B5 flanged gearmotor selection

MW88-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter													
					71		80		90		100		112		132		160	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
164	198	8,85	16063	2	–	–	–	–	–	–	–	–	8,57	499	18,65	1086	28,11	1636
134	162	10,79	16063	2	–	–	–	–	–	–	6,40	455	8,57	609	17,69	1256	26,75	1900
115	138	12,64	16063	2	–	–	–	–	–	–	6,40	533	8,57	713	16,79	1397	22,83	1900
98	118	14,86	16063	2	–	–	–	–	3,09	303	6,40	626	8,57	839	15,79	1545	19,42	1900
85	103	17,05	16063	2	–	–	–	–	3,09	347	6,40	719	8,57	962	14,88	1671	16,93	1900
72	87	20,12	16063	2	–	–	–	–	3,09	410	6,40	848	8,57	1136	13,78	1825	14,34	1900
66	80	21,81	16063	2	–	–	–	–	3,09	444	6,40	919	8,57	1231	13,23	1900	13,23	1900
60	72	24,25	16063	2	–	–	–	–	3,09	494	6,40	1022	8,57	1369	11,90	1900	11,90	1900
55	66	26,34	16063	2	–	–	–	–	3,09	536	6,40	1110	8,28	1435	10,96	1900	10,96	1900
50	60	29,14	16063	2	–	–	–	–	3,09	593	6,26	1201	7,88	1512	9,91	1900	9,91	1900
47	57	30,67	16063	2	–	–	–	–	3,09	624	6,40	1293	8,42	1700	8,42	1700	8,42	1700
42	51	34,23	16063	2	–	–	–	–	3,09	697	6,40	1443	7,54	1700	7,54	1700	7,54	1700
39	47	37,08	16063	2	–	–	–	–	3,09	755	6,40	1563	6,97	1700	6,97	1700	6,97	1700
34	42	42,03	16063	2	–	–	–	–	3,09	856	6,01	1662	6,14	1700	6,14	1700	6,14	1700
32	39	45,27	16063	2	–	–	–	–	3,09	922	5,67	1691	5,71	1700	5,71	1700	5,71	1700
30	36	48,95	16063	2	–	–	–	–	3,09	997	5,27	1700	5,27	1700	5,27	1700	5,27	1700
27	33	53,16	16063	2	–	–	–	–	3,09	1082	4,86	1700	4,86	1700	4,86	1700	4,86	1700
25	30	58,78	16063	2	–	–	–	–	3,09	1196	4,39	1700	4,39	1700	4,39	1700	4,39	1700
23	27	63,67	16063	2	–	–	–	–	2,90	1217	4,05	1700	4,05	1700	4,05	1700	–	–
20	24	71,75	16063	2	–	–	–	–	2,66	1254	3,60	1700	3,60	1700	–	–	–	–
18	22	78,56	16063	2	–	–	–	–	2,46	1272	3,29	1700	3,29	1700	–	–	–	–
17	20	87,50	16063	2	–	–	–	–	2,24	1291	2,95	1700	–	–	–	–	–	–
14	17	100,06	16063	2	–	–	–	–	1,99	1313	–	–	–	–	–	–	–	–
13	16	110,96	16063	2	–	–	–	–	1,82	1328	–	–	–	–	–	–	–	–
12	14	123,05	16063	2	–	–	–	–	1,66	1342	–	–	–	–	–	–	–	–
36	44	39,78	16063	3	–	–	–	–	3,09	810	6,40	1676	7,26	1900	7,25	1900	–	–
30	36	47,99	16063	3	–	–	–	–	3,09	977	6,01	1900	6,01	1900	6,01	1900	–	–
25	30	57,59	16063	3	–	–	1,52	576	3,09	1172	5,01	1900	5,01	1900	5,01	1900	–	–
21	26	67,50	16063	3	–	–	1,52	675	3,09	1374	4,28	1900	4,28	1900	4,28	1900	–	–
18	22	80,45	16063	3	–	–	1,52	805	3,09	1638	3,59	1900	3,59	1900	3,59	1900	–	–
17,0	20	87,25	16063	3	1,25	717	1,52	873	3,09	1776	3,31	1900	3,31	1900	3,31	1900	–	–
15,0	18	97,39	16063	3	1,25	800	1,52	974	2,96	1900	2,96	1900	2,96	1900	2,96	1900	–	–
14	17,0	105,48	16063	3	1,25	866	1,52	1055	2,74	1900	2,74	1900	2,74	1900	2,74	1900	–	–
12,0	15,0	119,55	16063	3	1,25	982	1,52	1196	2,42	1900	2,42	1900	2,42	1900	2,42	1900	–	–
11,0	14,0	128,79	16063	3	1,25	1058	1,52	1288	2,24	1900	2,24	1900	2,24	1900	2,24	1900	–	–
10,0	13,0	139,26	16063	3	1,23	1126	1,52	1393	2,07	1900	2,07	1900	2,07	1900	2,07	1900	–	–
10,0	12,0	151,22	16063	3	1,15	1146	1,52	1512	1,91	1900	1,91	1900	1,91	1900	1,91	1900	–	–
9,0	10,0	167,20	16063	3	1,06	1168	1,52	1672	1,72	1900	1,72	1900	1,72	1900	1,72	1900	–	–
8,0	10,0	181,13	16063	3	1,00	1186	1,52	1811	1,59	1900	1,59	1900	1,59	1900	1,59	1900	–	–
7,0	9	204,11	16063	3	0,90	1210	1,42	1900	1,42	1900	1,42	1900	1,42	1900	–	–	–	–
6,0	8,0	223,47	16063	3	0,83	1227	1,29	1900	1,29	1900	1,29	1900	1,29	1900	–	–	–	–
6,0	7,0	248,92	16063	3	0,76	1245	1,16	1900	1,16	1900	–	–	–	–	–	–	–	–
5,0	6,0	284,63	16063	3	0,67	1267	1,01	1900	1,01	1900	–	–	–	–	–	–	–	–
5,0	6,0	315,64	16063	3	0,62	1281	0,91	1900	0,91	1900	–	–	–	–	–	–	–	–
4,0	5,0	350,03	16063	3	0,56	1295	0,82	1900	0,82	1900	–	–	–	–	–	–	–	–

f_s = 1,0

Quantis® reducers

MSM B5 flanged gearmotor selection

MW108-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter													
					80		90		100		112		132		160		180/200	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	$P_{Mo}{}^t$	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	PMot	T2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
152	184	9,52	24166	2	–	–	–	–	–	–	–	–	20,24	1268	28,11	1761	45,84	2873
131	158	11,08	24166	2	–	–	–	–	–	–	–	–	20,24	1475	28,11	2049	40,80	2975
118	143	12,28	24166	2	–	–	–	–	–	–	8,57	693	20,24	1635	28,11	2271	37,62	3040
99	120	14,59	24166	2	–	–	–	–	6,40	615	8,57	823	20,24	1943	28,11	2699	32,75	3144
86	104	16,83	24166	2	–	–	–	–	6,40	709	8,57	950	20,24	2243	26,92	2983	29,11	3225
73	88	19,78	24166	2	–	–	–	–	6,40	834	8,57	1116	19,69	2564	24,98	3252	25,42	3311
68	83	21,18	24166	2	–	–	–	–	6,40	892	8,57	1195	18,07	2519	18,07	2519	18,07	2519
58	70	24,89	24166	2	–	–	3,09	507	6,40	1049	8,57	1405	16,46	2697	16,46	2697	16,46	2697
51	61	28,56	24166	2	–	–	3,09	581	6,40	1204	8,57	1612	15,17	2852	15,17	2852	15,17	2852
43	52	33,71	24166	2	–	–	3,09	686	6,40	1421	8,57	1902	13,72	3043	13,72	3043	13,72	3043
40	48	36,54	24166	2	–	–	3,09	744	6,40	1540	8,57	2062	13,05	3139	13,05	3139	13,05	3139
36	43	40,62	24166	2	–	–	3,09	827	6,40	1712	8,57	2292	12,21	3267	12,21	3267	–	–
33	40	44,12	24166	2	–	–	3,09	898	6,38	1853	8,57	2490	11,60	3368	11,60	3368	–	–
30	36	48,81	24166	2	–	–	3,09	994	6,05	1943	8,57	2754	10,58	3400	10,58	3400	–	–
28	33	52,40	24166	2	–	–	3,09	1067	5,79	1997	8,25	2844	9,86	3400	9,86	3400	–	–
26	31	56,47	24166	2	–	–	3,09	1150	5,48	2038	7,76	2885	9,15	3400	–	–	–	–
24	29	61,12	24166	2	–	–	3,09	1244	5,22	2101	7,27	2925	8,45	3400	–	–	–	–
22	26	66,48	24166	2	–	–	2,99	1307	4,87	2131	6,77	2965	7,77	3400	–	–	–	–
20	24	72,74	24166	2	–	–	2,86	1370	4,51	2160	6,28	3007	7,10	3400	–	–	–	–
30	36	49,04	24166	3	–	–	–	–	–	–	8,57	2767	10,53	3400	10,53	3400	–	–
24	29	59,81	24166	3	–	–	–	–	6,40	2521	8,57	3375	8,64	3400	8,64	3400	–	–
21	25	70,08	24166	3	–	–	–	–	6,40	2954	7,37	3400	7,37	3400	–	–	–	–
18	21	82,39	24166	3	1,52	824	3,09	1677	6,27	3400	6,27	3400	6,27	3400	–	–	–	–
15	19	94,52	24166	3	1,52	945	3,09	1924	5,46	3400	5,46	3400	5,46	3400	–	–	–	–
13	16,0	111,56	24166	3	1,52	1116	3,09	2271	4,63	3400	4,63	3400	4,63	3400	–	–	–	–
12	14,0	120,93	24166	3	1,52	1209	3,09	2462	4,27	3400	4,27	3400	4,27	3400	–	–	–	–
11	13	134,45	24166	3	1,52	1344	3,09	2737	3,84	3400	3,84	3400	3,84	3400	–	–	–	–
10	12,0	146,04	24166	3	1,52	1460	3,09	2973	3,54	3400	3,54	3400	–	–	–	–	–	–
9	11,0	161,54	24166	3	1,52	1615	3,09	3288	3,20	3400	3,20	3400	–	–	–	–	–	–
8	10,0	173,42	24166	3	1,52	1734	2,98	3400	2,98	3400	2,98	3400	–	–	–	–	–	–
8	9,0	186,89	24166	3	1,52	1869	2,76	3400	2,76	3400	2,76	3400	–	–	–	–	–	–
7	9	202,29	24166	3	1,52	2023	2,55	3400	2,55	3400	2,55	3400	–	–	–	–	–	–
7	8,0	220,05	24166	3	1,52	2200	2,35	3400	2,35	3400	2,35	3400	–	–	–	–	–	–
6	7,0	240,77	24166	3	1,52	2408	2,14	3400	2,14	3400	2,14	3400	–	–	–	–	–	–

f_8 = 1,0

Quantis® reducers

MSM B5 flanged gearmotor selection

MW128-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter													
					90		100		112		132		160		180/200		225	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
211	255	6,86	30146	2	–	–	–	–	–	–	–	–	28,11	1268	57,24	2583	82,34	3716
159	192	9,12	30146	2	–	–	–	–	–	–	–	–	28,11	1688	57,24	3437	71,70	4306
137	166	10,56	30146	2	–	–	–	–	–	–	19,83	1379	28,11	1954	57,24	3980	66,43	4620
116	140	12,47	30146	2	–	–	–	–	–	–	19,12	1570	28,11	2307	57,24	4699	60,66	4980
104	126	13,92	30146	2	–	–	–	–	8,57	786	18,57	1703	28,11	2576	55,48	5085	55,48	5085
89	108	16,27	30146	2	–	–	–	–	8,57	918	17,73	1899	28,11	3010	48,79	5226	48,79	5226
78	94	18,65	30146	2	–	–	–	–	8,57	1053	16,87	2072	28,11	3451	43,50	5342	43,50	5342
67	81	21,57	30146	2	–	–	–	–	8,57	1217	15,87	2254	28,11	3990	38,45	5459	38,45	5459
65	78	22,39	30146	2	–	–	6,40	943	8,57	1263	15,59	2298	28,11	4141	37,25	5489	37,25	5489
59	71	24,77	30146	2	–	–	6,40	1044	8,57	1398	14,88	2427	26,81	4371	34,14	5566	34,14	5566
61	73	23,96	30146	2	–	–	6,40	1010	8,57	1352	20,24	3192	28,11	4433	32,14	5069	32,14	5069
52	63	27,66	30146	2	–	–	6,40	1166	8,57	1561	20,24	3684	28,11	5117	28,95	5271	28,95	5271
45	54	32,50	30146	2	–	–	6,40	1370	8,57	1834	20,24	4329	25,76	5512	25,76	5512	25,76	5512
39	48	36,83	30146	2	–	–	6,40	1552	8,57	2078	20,24	4906	23,51	5700	23,51	5700	23,51	5700
34	40	43,21	30146	2	–	–	6,40	1821	8,57	2439	19,29	5489	20,04	5700	20,04	5700	20,04	5700
31	37	47,14	30146	2	–	–	6,40	1987	8,57	2660	18,04	5599	18,37	5700	18,37	5700	–	–
28	34	51,43	30146	2	–	–	6,40	2167	8,57	2902	16,84	5700	16,84	5700	16,90	5700	–	–
26	32	55,50	30146	2	–	–	6,40	2339	8,57	3132	15,60	5700	15,60	5700	15,60	5700	–	–
23	28	62,03	30146	2	–	–	6,06	2477	8,57	3500	13,96	5700	13,96	5700	–	–	–	–
22	26	66,44	30146	2	–	–	5,73	2508	8,41	3676	13,03	5700	13,03	5700	–	–	–	–
20	24	71,45	30146	2	–	–	5,39	2538	7,91	3721	12,11	5700	–	–	–	–	–	–
19	23	77,17	30146	2	–	–	5,06	2569	7,41	3765	11,22	5700	–	–	–	–	–	–
33	40	43,47	30146	3	–	–	–	–	–	–	20,24	5791	21,32	6100	21,32	6100	–	–
29	35	50,57	30146	3	–	–	–	–	–	–	18,32	6100	18,32	6100	18,32	6100	–	–
26	31	56,05	30146	3	–	–	–	–	8,57	3163	16,53	6100	16,53	6100	16,53	6100	–	–
22	26	66,61	30146	3	–	–	6,40	2807	8,57	3759	13,91	6100	13,91	6100	13,91	6100	–	–
19	23	76,87	30146	3	–	–	6,40	3240	8,57	4338	12,05	6100	12,05	6100	–	–	–	–
16,0	19	90,32	30146	3	3,09	1839	6,40	3806	8,57	5097	10,26	6100	10,26	6100	–	–	–	–
14,0	17	102,35	30146	3	3,09	2084	6,40	4314	8,57	5776	9,06	6100	9,06	6100	–	–	–	–
12	15,0	120,11	30146	3	3,09	2445	6,40	5062	7,71	6100	7,71	6100	7,71	6100	–	–	–	–
11,0	13,0	131,03	30146	3	3,09	2667	6,40	5522	7,07	6100	7,07	6100	–	–	–	–	–	–
10,0	12,0	142,93	30146	3	3,09	2910	6,39	6012	6,48	6100	6,48	6100	–	–	–	–	–	–
9,0	11,0	154,25	30146	3	3,09	3140	6,01	6100	6,01	6100	6,01	6100	–	–	–	–	–	–
8,0	10,0	172,39	30146	3	3,09	3509	5,38	6100	5,38	6100	5,38	6100	–	–	–	–	–	–
8,0	9	184,67	30146	3	3,09	3759	5,02	6100	5,02	6100	5,02	6100	–	–	–	–	–	–
7,0	9,0	198,58	30146	3	2,97	3889	4,67	6100	4,67	6100	4,66	6100	–	–	–	–	–	–
7	8	214,48	30146	3	2,85	4023	4,32	6100	4,32	6100	4,32	6100	–	–	–	–	–	–

f_8 = 1,0

Quantis® reducers

MSM B5 flanged gearmotor selection

MW148-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter													
					100		112		132		160		180/200		225		250	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
192	232	7,54	42988	2	–	–	–	–	–	–	28,11	1396	57,24	2842	84,99	4221	89,47	4443
147	177	9,86	42988	2	–	–	–	–	–	–	28,11	1824	57,24	3714	78,95	5123	77,70	5042
125	151	11,61	48183	2	–	–	–	–	20,16	1541	28,11	2148	57,24	4374	71,77	5485	70,60	5395
109	131	13,32	48183	2	–	–	–	–	19,61	1719	28,11	2463	57,24	5017	65,89	5776	64,80	5680
99	119	14,68	48183	2	–	–	–	–	19,14	1849	28,11	2715	57,24	5530	61,84	5974	60,81	5875
84	101	17,35	48183	2	–	–	–	–	18,19	2078	28,11	3211	56,35	6437	55,14	6299	54,20	6192
73	88	19,78	51057	2	–	–	–	–	17,35	2259	28,11	3659	50,36	6557	50,20	6536	49,33	6423
64	77	22,74	51057	2	–	–	–	–	16,37	2452	28,11	4208	44,65	6685	44,65	6685	44,44	6653
56	67	26,00	51057	2	–	–	–	–	15,40	2635	27,83	4763	39,73	6800	39,73	6800	39,73	6800
55	66	26,51	51057	2	–	–	–	–	20,24	3531	28,11	4904	45,85	8000	45,85	8000	45,85	8000
48	58	30,39	51057	2	–	–	–	–	20,24	4049	28,11	5623	39,99	8000	39,99	8000	39,99	8000
41	50	35,14	51057	2	–	–	–	–	20,24	4681	28,11	6501	34,58	8000	34,58	8000	34,58	8000
40	48	36,47	51057	2	–	–	–	–	20,24	4859	28,11	6747	33,33	8000	33,32	8000	–	–
36	43	40,36	51057	2	–	–	–	–	20,06	5331	26,81	7122	30,11	8000	30,11	8000	–	–
31	37	47,23	51057	2	–	–	–	–	17,81	5539	23,78	7393	25,73	8000	25,73	8000	–	–
28	34	51,15	51057	2	–	–	–	–	16,72	5631	22,33	7520	23,76	8000	23,76	8000	–	–
25	31	57,09	51057	2	–	–	–	–	15,30	5751	20,45	7685	21,29	8000	–	–	–	–
24	29	60,53	51057	2	–	–	–	–	14,58	5811	19,50	7768	20,08	8000	–	–	–	–
21	26	68,61	51057	2	–	–	–	–	13,13	5931	17,57	7934	–	–	–	–	–	–
20	24	73,42	51057	2	–	–	–	–	12,40	5991	16,55	8000	–	–	–	–	–	–
19	23	77,21	51057	2	–	–	–	–	11,87	6035	–	–	–	–	–	–	–	–
17	21	83,32	51057	2	–	–	–	–	11,11	6097	–	–	–	–	–	–	–	–
49	60	29,33	51057	3	–	–	–	–	–	–	28,11	5425	40,94	7904	40,94	7904	–	–
37	45	39,02	51057	3	–	–	–	–	–	–	28,11	7218	33,87	8700	33,87	8700	–	–
32	39	45,18	51057	3	–	–	–	–	20,24	6018	28,11	8358	29,26	8700	29,26	8700	–	–
27	33	53,34	51057	3	–	–	–	–	19,58	6874	24,78	8700	24,78	8700	24,78	8700	–	–
24	29	59,55	51057	3	–	–	8,57	3361	19,05	7468	22,19	8700	22,19	8700	–	–	–	–
21,0	25	69,59	51057	3	–	–	8,57	3927	18,22	8347	18,99	8700	18,99	8700	–	–	–	–
18,0	22,0	79,78	51057	3	–	–	8,57	4502	16,57	8700	16,57	8700	16,57	8700	–	–	–	–
16,0	19,0	92,24	51057	3	–	–	8,57	5205	14,33	8700	14,33	8700	14,33	8700	–	–	–	–
15	18,0	95,74	51057	3	6,40	4035	8,57	5402	13,80	8700	13,80	8700	13,80	8700	–	–	–	–
14,0	17,0	105,94	51057	3	6,40	4465	8,57	5978	12,47	8700	12,47	8700	12,47	8700	–	–	–	–
12	14,0	123,98	51057	3	6,40	5225	8,57	6996	10,66	8700	10,66	8700	–	–	–	–	–	–
11,0	13,0	134,28	51057	3	6,40	5659	8,57	7577	9,84	8700	9,84	8700	–	–	–	–	–	–
10,0	12	149,86	51057	3	6,40	6316	8,52	8411	8,82	8700	8,82	8700	–	–	–	–	–	–
9,0	11,0	158,88	51057	3	6,20	6486	8,29	8667	8,32	8700	8,32	8700	–	–	–	–	–	–
8,0	10,0	180,11	51057	3	5,59	6626	7,33	8700	7,34	8700	–	–	–	–	–	–	–	–
8,0	9,0	192,71	51057	3	5,28	6697	6,85	8700	6,85	8700	–	–	–	–	–	–	–	–
7,0	9,0	202,69	51057	3	5,06	6748	6,52	8700	6,52	8700	–	–	–	–	–	–	–	–
7,0	8,0	218,71	51057	3	4,73	6820	6,05	8700	6,05	8700	–	–	–	–	–	–	–	–

f_s = 1,0

Quantis® reducers

MSM B5 flanged gearmotor selection

MW168-IEC

Clamp Collar – 3 Pc Coupled – Free Input

Output rating					IEC motor adapter									
					132		160		180/200		225		250	
$n_{2(50)}$	$n_{2(60)}$	(i)	F_R	ST	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2	P_{Mot}	T_2
[min^{-1}]	[min^{-1}]	[-]	[N]	[-]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]	[kW]	[Nm]
188	227	7,71	67786	2	-	-	-	-	57,24	2907	84,60	4296	98,14	4984
149	180	9,71	67786	2	-	-	28,11	1796	57,24	3659	83,01	5306	89,67	5732
116	140	12,47	74076	2	-	-	28,11	2306	57,24	4697	77,49	6359	77,88	6392
100	121	14,51	74076	2	20,13	1923	28,11	2684	57,24	5466	70,56	6738	70,92	6773
88	106	16,53	74076	2	19,57	2130	28,11	3059	57,24	6230	64,77	7049	65,11	7087
80	97	18,13	79610	2	19,11	2281	28,11	3355	57,24	6832	60,81	7259	61,14	7298
66	80	21,85	79610	2	17,97	2585	28,11	4043	55,40	7969	53,23	7656	53,52	7698
60	72	24,28	79610	2	17,29	2764	28,11	4491	51,24	8189	49,21	7864	49,49	7908
53	64	27,50	79610	2	16,40	2970	28,11	5088	46,57	8432	44,71	8094	44,96	8139
46	55	31,83	88564	2	-	-	-	-	41,49	8695	39,81	8342	40,04	8389
45	55	32,07	88564	2	20,24	4272	28,11	5933	57,24	12083	55,14	11641	54,20	11442
40	48	36,55	88564	2	20,24	4869	28,11	6762	51,54	12400	50,20	12078	49,33	11868
34	42	42,03	88564	2	20,16	5579	28,11	7775	44,82	12400	44,82	12400	44,44	12294
30	36	48,04	90001	2	19,61	6201	27,01	8543	39,21	12400	39,21	12400	39,21	12400
26	31	55,68	90001	2	17,91	6563	24,09	8827	33,84	12400	33,84	12400	-	-
24	29	60,66	90001	2	16,71	6674	22,49	8981	31,05	12400	31,05	12400	-	-
21	26	67,58	90001	2	15,29	6802	20,60	9162	27,88	12400	-	-	-	-
20	24	71,58	90001	2	14,58	6866	19,64	9252	26,31	12400	-	-	-	-
18	22	80,50	90001	2	13,19	6991	17,79	9426	-	-	-	-	-	-
17	20	86,06	90001	2	12,46	7057	16,80	9519	-	-	-	-	-	-
38	45	38,51	90001	3	-	-	28,11	7125	52,85	13400	52,85	13400	52,85	13400
29	35	50,32	90001	3	-	-	28,11	9309	40,46	13400	40,46	13400	65,45	13400
24	30	59,27	90001	3	20,16	7867	28,11	10964	34,35	13400	34,35	13400	55,57	13400
21	26	67,98	90001	3	19,61	8774	28,11	12576	29,95	13400	29,95	13400	48,45	13400
19,0	23	74,92	90001	3	19,14	9438	27,17	13400	27,17	13400	27,17	13400	43,96	13400
16,0	20,0	88,59	90001	3	18,19	10609	22,98	13400	22,98	13400	22,98	13400	37,17	13400
14,0	17,0	100,98	90001	3	17,35	11534	20,16	13400	20,16	13400	20,16	13400	32,61	13400
12,0	15,0	116,11	90001	3	16,37	12516	17,53	13400	17,53	13400	17,53	13400	-	-
11,0	13,0	132,73	90001	3	15,34	13400	15,34	13400	15,34	13400	15,34	13400	-	-
9,0	11,0	153,81	90001	3	13,23	13400	13,23	13400	13,23	13400	13,23	13400	-	-
9,0	10,0	167,58	90001	3	12,15	13400	12,15	13400	12,15	13400	-	-	-	-
8,0	9,0	186,69	90001	3	10,90	13400	10,90	13400	10,90	13400	-	-	-	-
7,0	9,0	197,75	90001	3	10,29	13400	10,29	13400	10,29	13400	-	-	-	-
7,0	8,0	222,39	90001	3	9,15	13400	9,15	13400	-	-	-	-	-	-
6,0	7,0	237,76	90001	3	8,56	13400	-	-	-	-	-	-	-	-

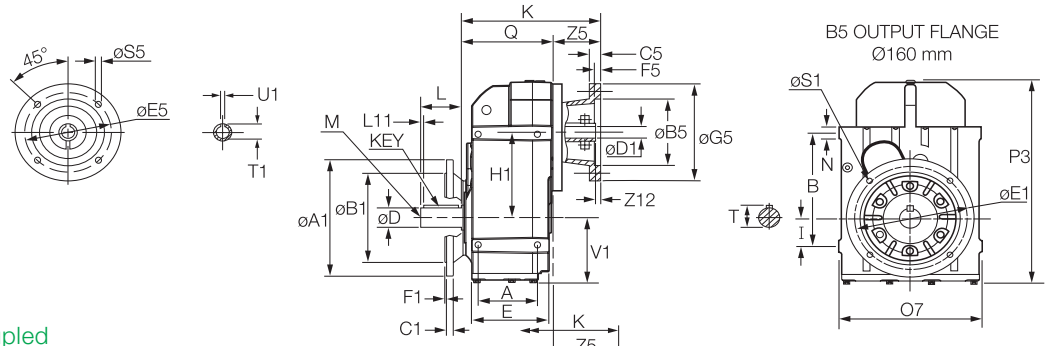
f_s = 1,0

Quantis® reducers

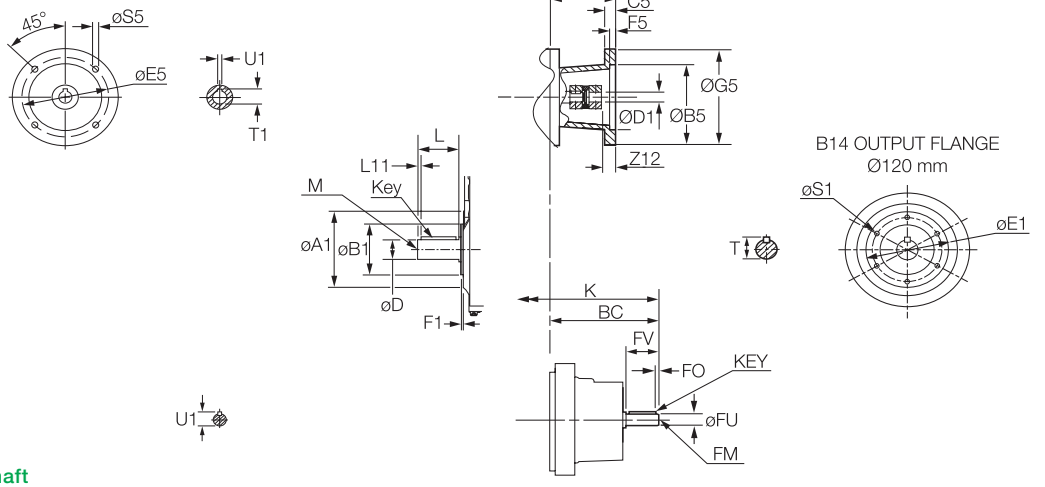
MSM reducer dimensions MW38

Universal mount (B5 - B14), solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
25	k6	28	50	7	8 x 7 x 40	M10 x 22

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
35	k6	38	70	7	10 x 8 x 56	M12 x 28

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
180	284	96	131	122	77	148	101	31	23

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
120	80	j6	100	M8 x 16	3

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
160	110	j6	130	9	4	10

IEC motor adapter-clamp collar

	MW38 2 ST		MW38 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	201	70	216	85	110	H7	130	160	M8	14	F7	16	5	17	5	4	20	21
80D	225	94	240	109	130		165	200	M10	19		22	6	17	5	16	22	24
90D	225	94	240	109	130		165	200	M10	24		27	8	17	5	16	22	24
100D	232	102	-	-	180		215	250	M12	28		31	8	22	5	7	24	-

IEC motor adapter-3-pc coupled

	MW38 2 ST		MW38 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	332	202	347	216	130	H7	165	200	M10	19	H7	22	6	17	5	15	30	31
90D	332	202	347	216	130		165	200	M10	24		27	8	17	5	26	30	31
100D	355	224	-	-	180		215	250	M12	28		31	8	19	5	30	34	-

Free input

	MW38 2 ST		MW38 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	U1	Key	2 St [kg]	3 St [kg]
71	282	151	297	166	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	23	24
80	317	186	332	201	4	M6 x 16	19		40	22	6 x 6 x 32	27	28
90	327	196	342	211	5	M8 x 19	24		50	27	8 x 7 x 40	27	28
100	343	212	-	-	5	M10 x 22	28		60	31	8 x 7 x 50	30	-

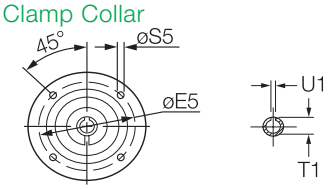
* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +2 kg.

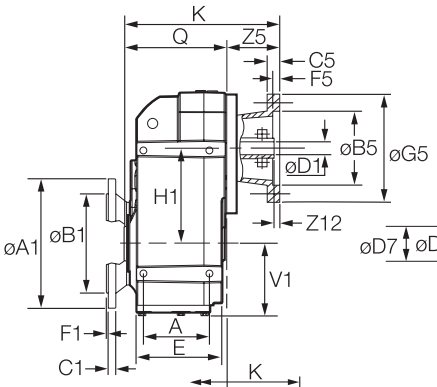
Quantis® reducers

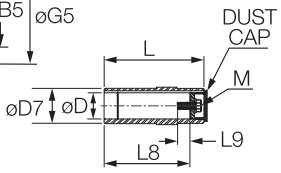
MSM reducer dimensions

Universal mount (B5 - B14), hollow output shaft MW38

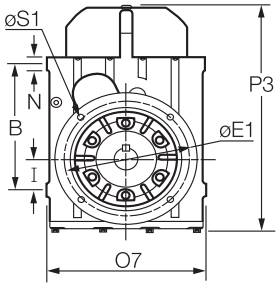
Clamp Collar



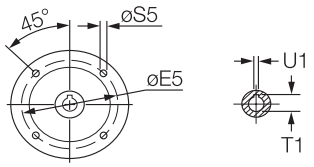


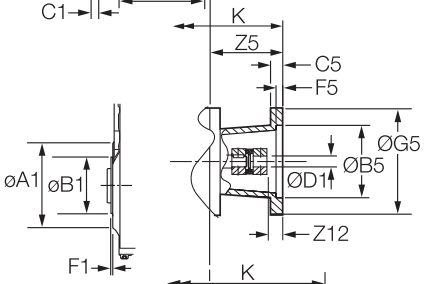


B5 OUTPUT FLANGE TYPE
Ø160 mm

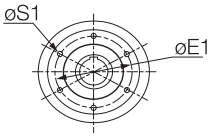


Three-Piece Coupled

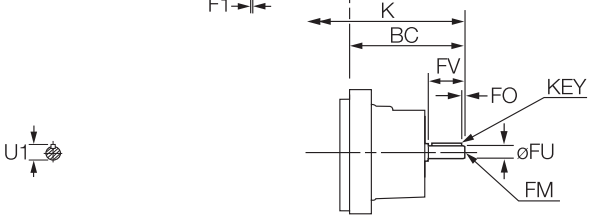




B14 OUTPUT FLANGE TYPE
Ø120 mm



Free Input



Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
30	H7	45	33	102	31	120	8 x 7 x 40	M10 x 40

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
180	284	96	131	122	77	148	101	31	23

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
120	80	j6	100	M8 x 16	3

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
160	110	j6	130	9	4	10

IEC motor adapter-clamp collar

	MW38 2 ST		MW38 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	201	70	216	85	110	H7	130	160	M8	14	F7	16	5	17	5	4	20	21
80D	225	94	240	109	130		165	200	M10	19		22	6	17	5	16	22	24
90D	225	94	240	109	130		165	200	M10	24		27	8	17	5	16	22	24
100D	232	102	-	-	180		215	250	M12	28		31	8	22	5	7	24	-

IEC motor adapter-3-pc coupled

	MW38 2 ST		MW38 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	332	202	347	216	130	H7	165	200	M10	19	H7	22	6	17	5	15	30	31
90D	332	202	347	216	130		165	200	M10	24		27	8	17	5	26	30	31
100D	355	224	-	-	180		215	250	M12	28		31	8	19	5	30	34	-

Free input

	MW38 2 ST		MW38 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
71	282	151	297	166	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	23	24
80	317	186	332	201	4	M6 x 16	19		40	22	6 x 6 x 32	27	28
90	327	196	342	211	5	M8 x 19	24		50	27	8 x 7 x 40	27	28
100	343	212	-	-	5	M10 x 22	28		60	31	8 x 7 x 50	30	-

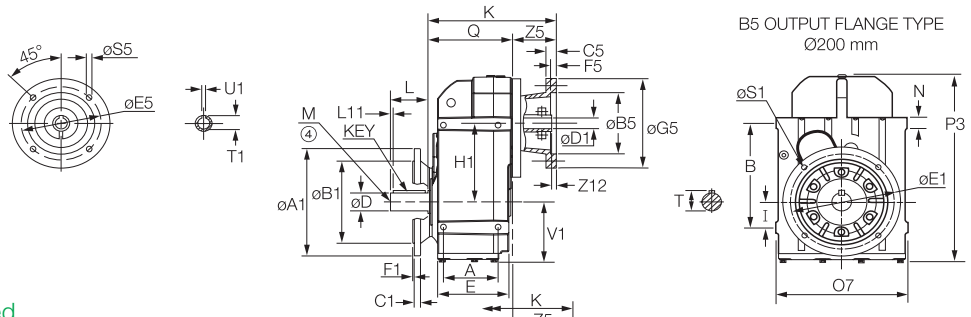
* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +2 kg.

Quantis® reducers

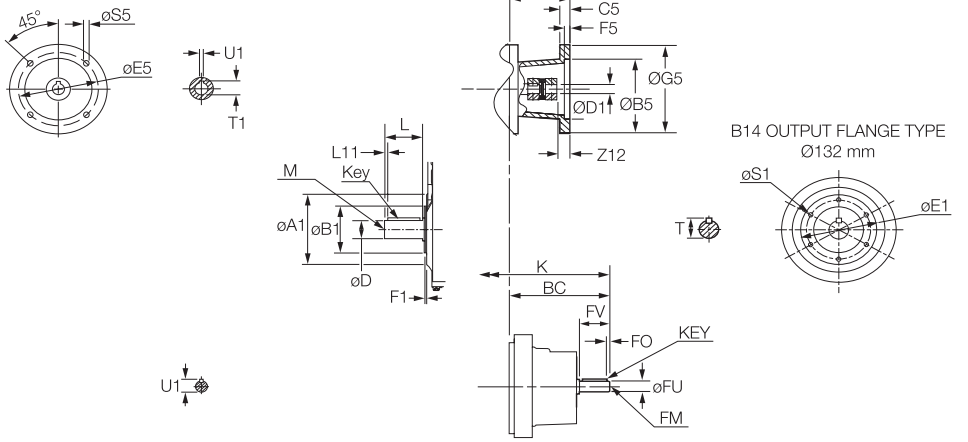
MSM reducer dimensions MW48

Universal mount (B5 - B14), solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
30	k6	33	60	7	8 x 7 x 50	M10 x 22

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
40	k6	43	80	5	12 x 8 x 70	M16 x 36

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
132	95	j6	115	M10 x 17	3

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
212	337	109	150	144	93	186	118	43	24

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
200	130	j6	165	11	4	12

IEC motor adapter-clamp collar

	MW48 2 ST		MW48 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	215	65	232	82	110		130	160	M8	14		16	5	17	5	4	31	32
80D	239	89	256	106	130		165	200	M10	19		22	6	17	5	16	33	34
90D	239	89	256	106	130	H7	165	200	M10	24	F7	27	8	17	5	16	33	34
100D	246	96	263	113	180		215	250	M12	28		31	8	22	5	7	35	36
112D	255	105	-	-	180		215	250	M12	28		31	8	21	5	7	36	-

IEC motor adapter-3-pc coupled

	MW48 2 ST		MW48 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	346	196	363	213	130		165	200	M10	19		22	6	17	5	15	41	42
90D	346	196	363	213	130	H7	165	200	M10	24	H7	27	8	17	5	26	41	42
100D	369	219	386	236	180		215	250	M12	28		31	8	19	5	30	46	47
112D	368	218	-	-	180		215	250	M12	28		31	8	19	5	30	47	-

Free input

	MW48 2 ST		MW48 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	U1	Key	2 St [kg]	3 St [kg]
71	296	146	313	163	4	M5 X 12,5	16		40	18	5 x 5 x 32	33	34
80	331	181	348	198	4	M6 X 16	19		40	21,5	6 x 6 x 32	36	37
90	341	191	358	208	5	M8 X 19	24	k6	50	27	8 x 7 x 40	36	37
100	357	207	374	224	5	M10 X 22	28		60	31	8 x 7 x 50	40	41
112	358	208	-	-	5	M10 X 22	28		60	31	8 x 7 x 50	42	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

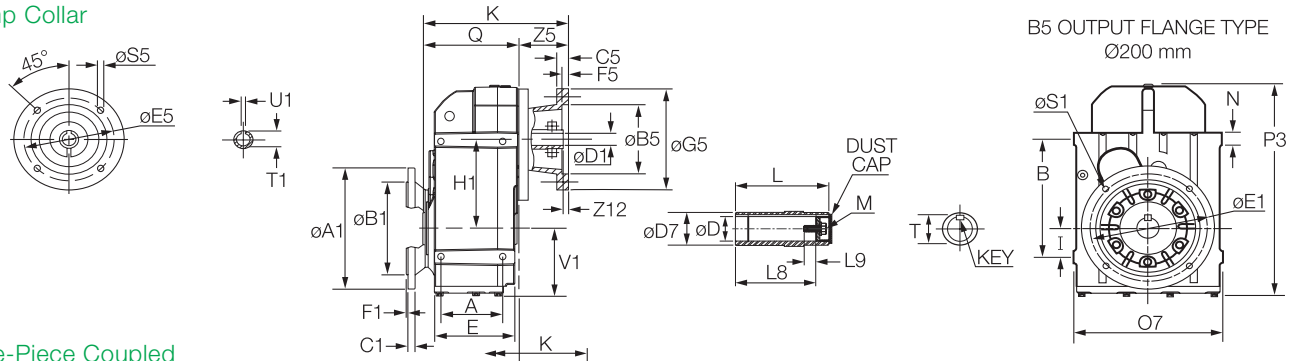
Weights are for B14 flange.
B5 flange = +3 kg.

Quantis® reducers

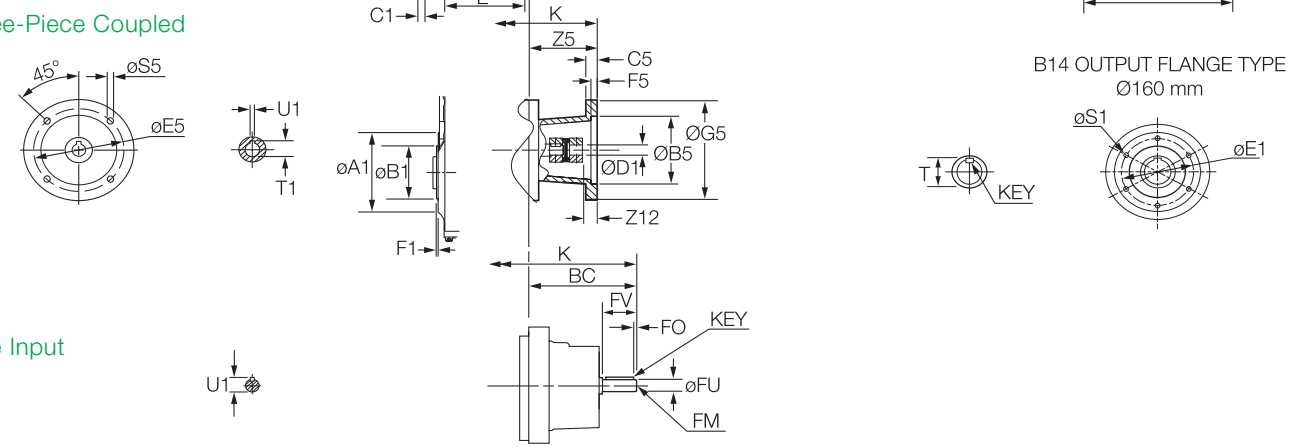
MSM reducer dimensions

Universal mount (B5 - B14), hollow output shaft MW48

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
35	H7	55	38	128	43	150	10 x 8 x 45	M12 x 50

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
40	H7	55	43	128	50	150	12 x 8 x 50	M16 x 60

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
212	337	109	150	144	93	186	118	43	24

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
132	95	j6	115	M10 x 17	3

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
200	130	j6	165	11	4	12

IEC motor adapter-clamp collar

	MW48 2 ST		MW48 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	215	65	232	82	110		130	160	M8	14		16	5	17	5	4	31	32
80D	239	89	256	106	130		165	200	M10	19		22	6	17	5	16	33	34
90D	239	89	256	106	130	H7	165	200	M10	24	F7	27	8	17	5	16	33	34
100D	246	96	263	113	180		215	250	M12	28		31	8	22	5	7	35	36
112D	255	105	-	-	180		215	250	M12	28		31	8	21	5	7	36	-

IEC motor adapter-3-pc coupled

	MW48 2 ST		MW48 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	346	196	363	213	130		165	200	M10	19		22	6	17	5	15	41	42
90D	346	196	363	213	130	H7	165	200	M10	24	H7	27	8	17	5	26	41	42
100D	369	219	386	236	180		215	250	M12	28		31	8	19	5	30	46	47
112D	368	218	-	-	180		215	250	M12	28		31	8	19	5	30	47	-

Free input

	MW48 2 ST		MW48 3ST		2 stage-3 stage							Weight *	
Frame	C	BC	C	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
71	296	146	313	163	4	M5 X 12,5	16		40	18	5 x 5 x 32	33	34
80	331	181	348	198	4	M6 X 16	19		40	21,5	6 x 6 x 32	36	37
90	341	191	358	208	5	M8 X 19	24	k6	50	27	8 x 7 x 40	36	37
100	357	207	374	224	5	M10 X 22	28		60	31	8 x 7 x 50	40	41
112	358	208	-	-	5	M10 X 22	28		60	31	8 x 7 x 50	42	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

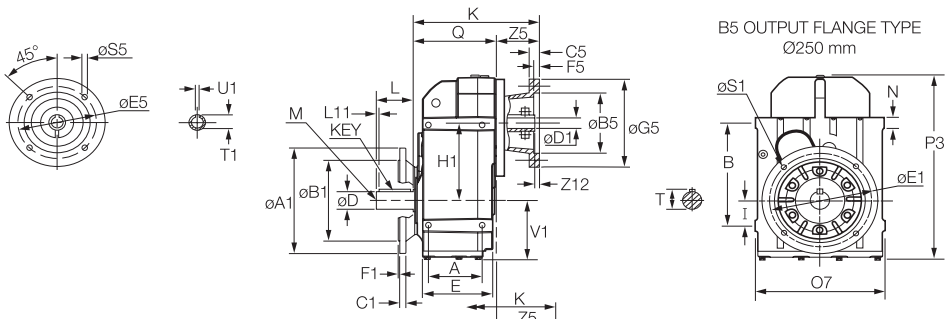
Weights are for B14 flange.
B5 flange = +3 kg.

Quantis® reducers

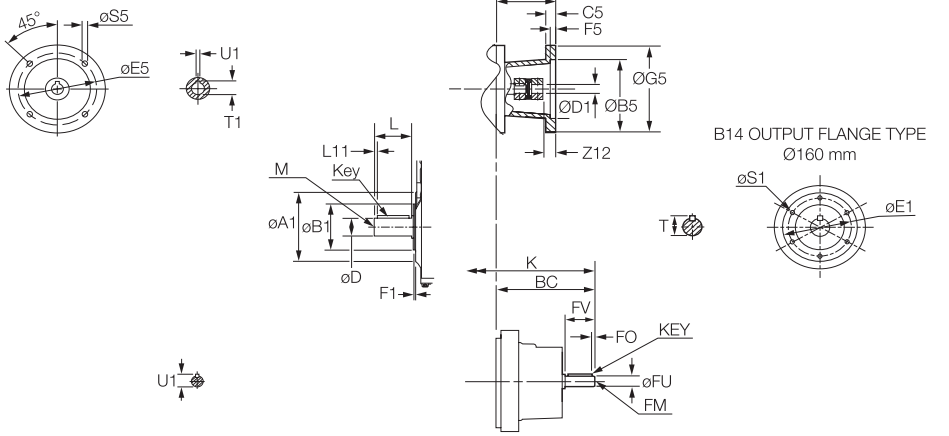
MSM reducer dimensions MW68

Universal mount (B5 - B14), solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
40	k6	43	80	5	12 x 8 x 70	M16 X 36

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
50	k6	54	100	10	14 x 9 x 80	M16 X 36

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
264	414	131	171	178	112	230	149	60	26

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
160	110	j6	130	M12 X 21	4

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
250	180	j6	215	14	4	15

IEC motor adapter-clamp collar

	MW68 2 ST		MW68 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	229	59	248	77	110		130	160	M8	14		16	5	17	5	4	48	50
80D	253	83	272	101	130		165	200	M10	19		22	6	17	5	16	50	53
90D	253	83	272	101	130	H7	165	200	M10	24	F7	27	8	17	5	16	50	53
100D	261	90	279	109	180		215	250	M12	28		31	8	22	5	7	52	54
112D	267	97	-	-	180		215	250	M12	28		31	8	21	5	7	54	-
132D	308	138	-	-	230		265	300	M12	38		41	10	21	5	22	61	-

IEC motor adapter-3-pc coupled

	MW68 2 ST		MW68 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	360	190	379	209	130		165	200	M10	19		22	6	17	5	15	58	60
90D	360	190	379	209	130		165	200	M10	24		27	8	17	5	26	58	60
100D	383	213	402	231	180	H7	215	250	M12	28	H7	31	8	19	5	30	63	65
112D	380	210	-	-	180		215	250	M12	28		31	8	19	5	30	64	-
132D	442	271	-	-	230		265	300	M12	38		41	10	19	5	45	74	-

Free input

	MW68 2 ST		MW68 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	L13	FM	Ø D1	Tol.	L1	U1	Key	2 St [kg]	3 St [kg]
71	310	140	329	158	4	M5 x 12,5	16		40	18	5 x 5 x 32	50	52
80	345	175	364	193	4	M6 x 16	19		40	22	6 x 6 x 32	54	56
90	355	185	374	203	5	M8 x 19	24	k6	50	27	8 x 7 x 40	54	56
100	371	201	390	219	5	M10 x 22	28		60	31	8 x 7 x 50	58	60
112	370	200	-	-	5	M10 x 22	28		60	31	8 x 7 x 50	59	-
132	455	284	-	-	5	M12 x 28	38		80	41	10 x 8 x 70	70	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

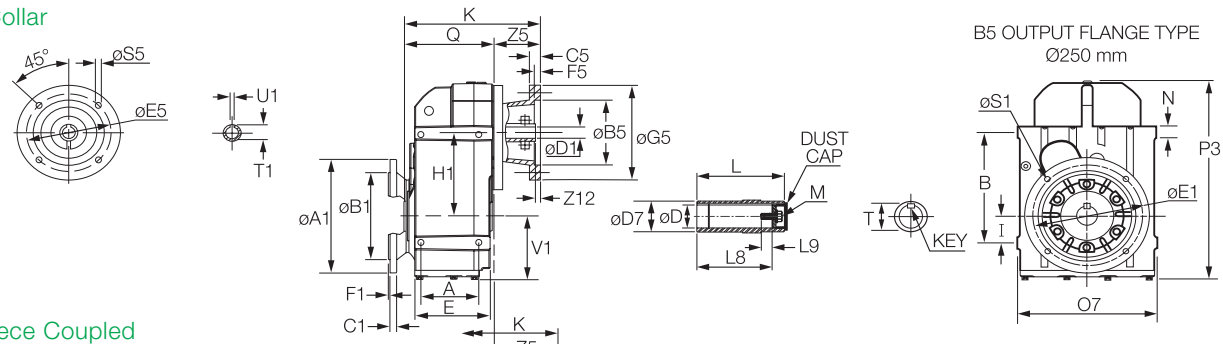
Weights are for B14 flange.
B5 flange = +5 kg.

Quantis® reducers

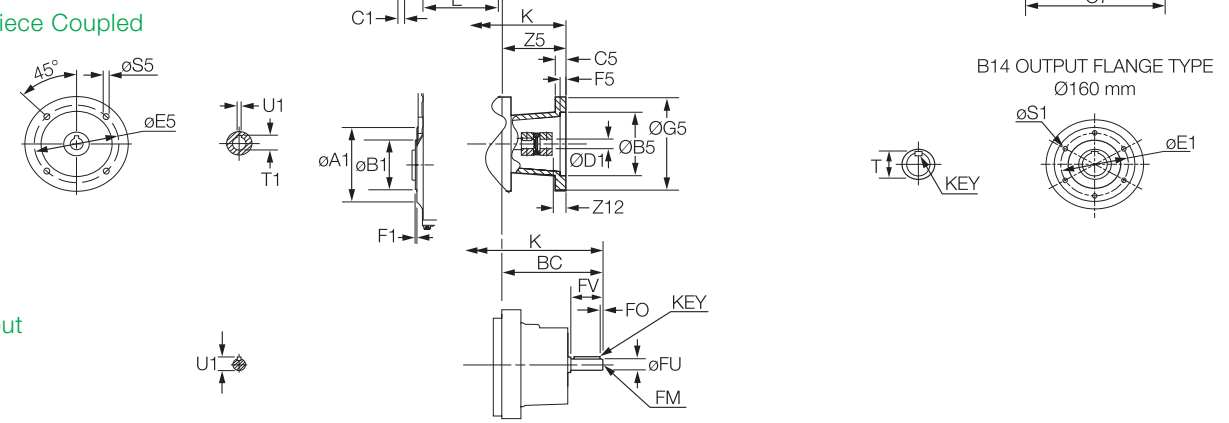
MSM reducer dimensions

Universal mount (B5 - B14), hollow output shaft MW68

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
40	H7	65	43	150	48	180	12 x 8 x 50	M16 x 60

Optional output shaft

Ø d	Tol.	D7	T	L8	L9	L	Key	M-Tap
45	H7	65	49	150	47	180	14 x 9 x 70	M16 x 60

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
264	414	131	171	178	112	230	149	60	26

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
160	110	j6	130	M12 X 21	4

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
250	180	j6	215	14	4	15

IEC motor adapter-clamp collar

	MW68 2 ST		MW68 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	229	59	248	77	110	H7	130	160	M8	14	F7	16	5	17	5	4	48	50
80D	253	83	272	101	130		165	200	M10	19		22	6	17	5	16	50	53
90D	253	83	272	101	130		165	200	M10	24		27	8	17	5	16	50	53
100D	261	90	279	109	180		215	250	M12	28		31	8	22	5	7	52	54
112D	267	97	-	-	180		215	250	M12	28		31	8	21	5	7	54	-
132D	308	138	-	-	230		265	300	M12	38		41	10	21	5	22	61	-

IEC motor adapter-3-pc coupled

	MW68 2 ST		MW68 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	360	190	379	209	130	H7	165	200	M10	19	H7	22	6	17	5	15	58	60
90D	360	190	379	209	130		165	200	M10	24		27	8	17	5	26	58	60
100D	383	213	402	231	180		215	250	M12	28		31	8	19	5	30	63	65
112D	380	210	-	-	180		215	250	M12	28		31	8	19	5	30	64	-
132D	442	271	-	-	230		265	300	M12	38		41	10	19	5	45	74	-

Free input

	MW68 2 ST		MW68 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
71	310	140	329	158	4	M5 x 12,5	16	k6	40	18	5 x 5 x 32	50	52
80	345	175	364	193	4	M6 x 16	19		40	22	6 x 6 x 32	54	56
90	355	185	374	203	5	M8 x 19	24		50	27	8 x 7 x 40	54	56
100	371	201	390	219	5	M10 x 22	28		60	31	8 x 7 x 50	58	60
112	370	200	-	-	5	M10 x 22	28		60	31	8 x 7 x 50	59	-
132	455	284	-	-	5	M12 x 28	38		80	41	10 x 8 x 70	70	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

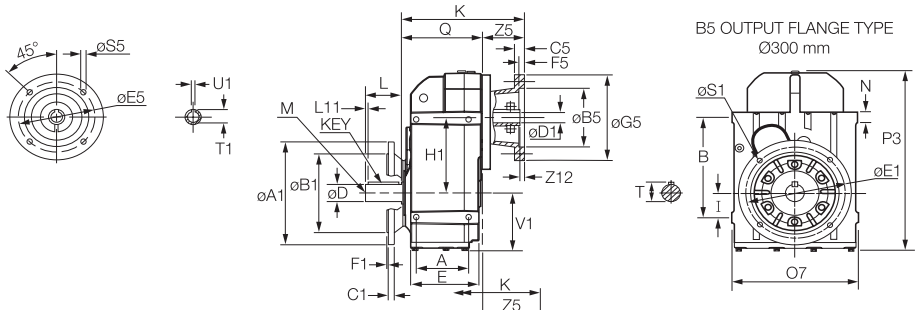
Weights are for B14 flange.
B5 flange = +5 kg.

Quantis® reducers

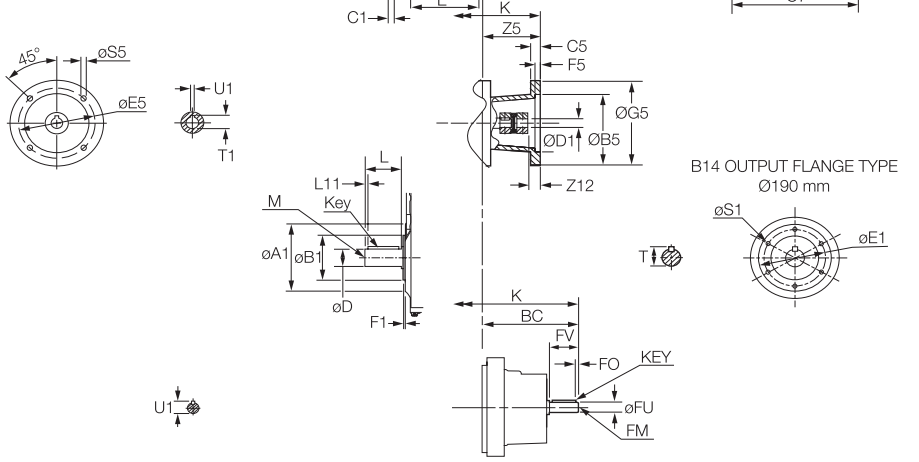
MSM reducer dimensions MW88

Universal mount (B5 - B14), solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
50	k6	54	100	10	14 x 9 x 80	M16 X 36

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
70	m6	75	140	15	20 x 12 x 110	M20 X 42

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
340	518	168	215	220	140	285	182	70	35

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
190	130	j6	165	M12 X 21	4

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
300	230	j6	265	14	4	16

IEC motor adapter-clamp collar

	MW88 2 ST		MW88 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	-	-	283	69	110		130	160	M8	14		16	5	17	5	4	-	93
80D	-	-	307	93	130		165	200	M10	19		22	6	17	5	16	-	95
90D	282	68	307	93	130		165	200	M10	24		27	8	17	5	16	94	95
100D	287	73	315	100	180	H7	215	250	M12	28	F7	31	8	22	5	7	95	97
112D	293	78	322	107	180		215	250	M12	28		31	8	21	5	7	97	98
132D	334	119	362	147	230		265	300	M12	38		41	10	21	5	22	102	105
160D	377	162	-	-	250		300	350	M16	42		45	12	27	6	20	112	-

IEC motor adapter-3-pc coupled

	MW88 2 ST		MW88 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	415	200	130		165	200	M10	19		22	6	17	5	15	-	102
90D	390	175	415	200	130		165	200	M10	24		27	8	17	5	26	102	102
100D	410	195	437	223	180	H7	215	250	M12	28	H7	31	8	19	5	30	105	107
112D	406	191	435	220	180		215	250	M12	28		31	8	19	5	30	107	109
132D	467	253	495	280	230		265	300	M12	38		41	10	19	5	45	116	118
160D	534	319	-	-	250		300	350	M16	42		45	12	30	6	66	137	-

Free input

	MW88 2 ST		MW88 3ST		2 stage-3 stage								Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	U1	Key		2 St [kg]	3 St [kg]
71	-	-	364	150	4	M5 x 12,5	16		40	18	5 x 5 x 32		-	95
80	-	-	399	185	4	M6 x 16	19		40	22	6 x 6 x 32		-	98
90	384	170	409	195	5	M8 x 19	24		50	27	8 x 7 x 40		97	98
100	398	183	425	211	5	M10 x 22	28	k6	60	31	8 x 7 x 50		100	102
112	396	181	425	210	5	M10 x 22	28		60	31	8 x 7 x 50		102	103
132	480	266	508	294	5	M12 x 28	38		80	41	10 x 8 x 70		112	114
160	524	309	-	-	10	M16 x 36	42		110	45	12 x 8 x 90		122	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

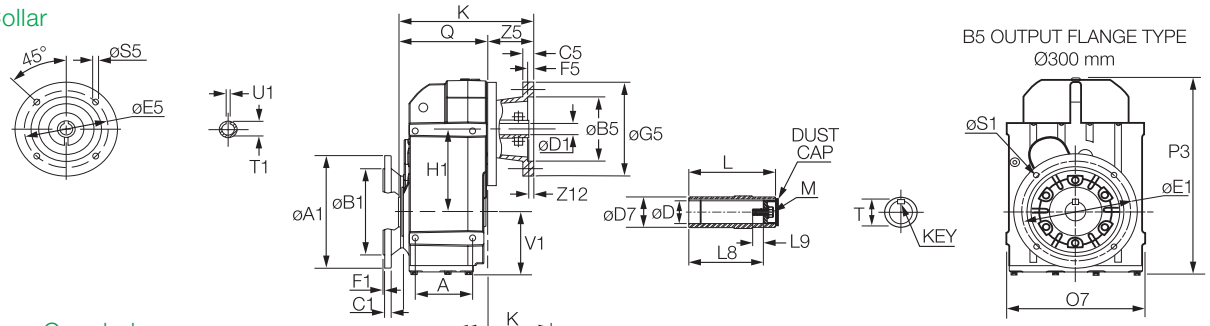
Weights are for B14 flange.
B5 flange = +7 kg.

Quantis® reducers

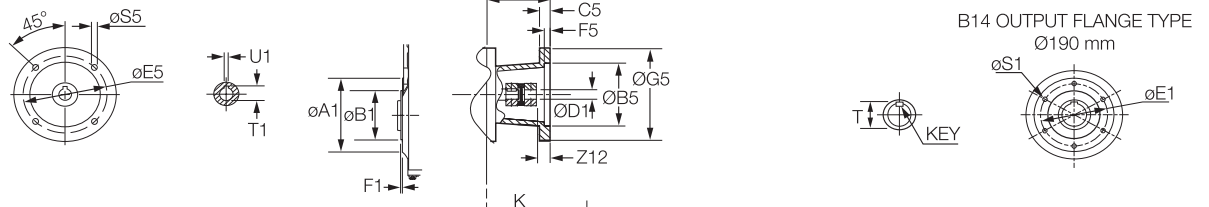
MSM reducer dimensions

Universal mount (B5 - B14), hollow output shaft MW88

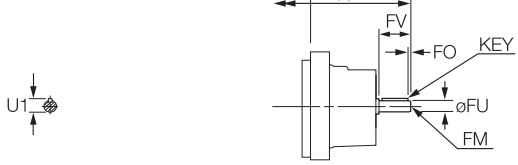
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
50	H7	80	54	180	48	210	14 x 9 x 80	M16 x 60

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
60	H7	80	64	180	58	210	18 x 11 x 100	M20 x 70

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
340	518	168	215	220	140	285	182	70	35

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1
190	130	j6	165	M12 x 21	4

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
300	230	j6	265	14	4	16

IEC motor adapter-clamp collar

	MW88 2 ST		MW88 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
71D	-	-	283	69	110		130	160	M8	14		16	5	17	5	4	-	93
80D	-	-	307	93	130		165	200	M10	19		22	6	17	5	16	-	95
90D	282	68	307	93	130		165	200	M10	24		27	8	17	5	16	94	95
100D	287	73	315	100	180	H7	215	250	M12	28	F7	31	8	22	5	7	95	97
112D	293	78	322	107	180		215	250	M12	28		31	8	21	5	7	97	98
132D	334	119	362	147	230		265	300	M12	38		41	10	21	5	22	102	105
160D	377	162	-	-	250		300	350	M16	42		45	12	27	6	20	112	-

IEC motor adapter-3-pc coupled

	MW88 2 ST		MW88 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	415	200	130		165	200	M10	19		22	6	17	5	15	-	102
90D	390	175	415	200	130		165	200	M10	24		27	8	17	5	26	102	102
100D	410	195	437	223	180		215	250	M12	28		31	8	19	5	30	105	107
112D	406	191	435	220	180	H7	215	250	M12	28	H7	31	8	19	5	30	107	109
132D	467	253	495	280	230		265	300	M12	38		41	10	19	5	45	116	118
160D	534	319	-	-	250		300	350	M16	42		45	12	30	6	66	137	-

Free input

	MW88 2 ST		MW88 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
71	-	-	364	150	4	M5 x 12,5	16		40	18	5 x 5 x 32	-	95
80	-	-	399	185	4	M6 x 16	19		40	22	6 x 6 x 32	-	98
90	384	170	409	195	5	M8 x 19	24		50	27	8 x 7 x 40	97	98
100	398	183	425	211	5	M10 x 22	28	k6	60	31	8 x 7 x 50	100	102
112	396	181	425	210	5	M10 x 22	28		60	31	8 x 7 x 50	102	103
132	480	266	508	294	5	M12 x 28	38		80	41	10 x 8 x 70	112	114
160	524	309	-	-	10	M16 x 36	42		110	45	12 x 8 x 90	122	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

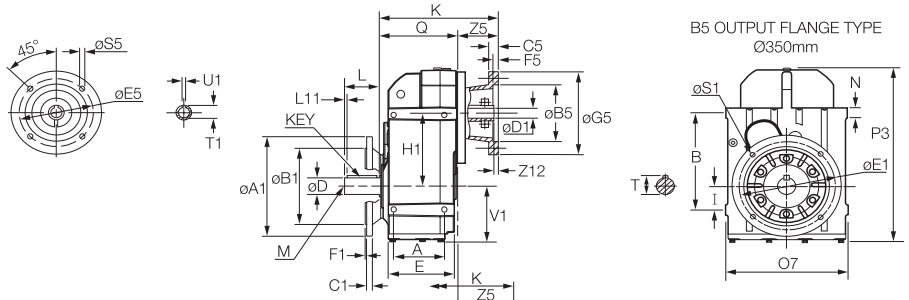
Weights are for B14 flange.
B5 flange = +7 kg.

Quantis® reducers

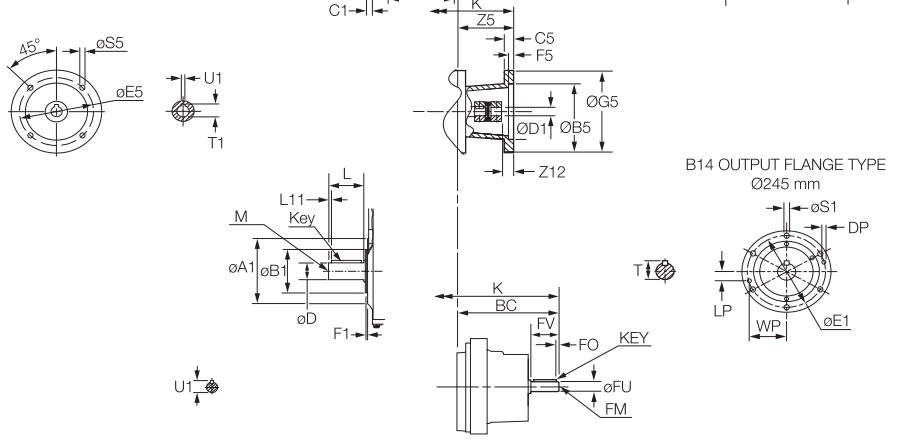
MSM reducer dimensions MW108

Universal mount (B5 - B14), solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
60	m6	64	120	10	18 x 11 x 100	M20 x 42

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
80	m6	85	170	20	22 x 14 x 125	M20 x 42

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
380	607	186	248	264	165	350	206	100	40

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
245	180	j6	215	M16	4	12	28	103

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
350	250	h6	300	18	5	18

IEC motor adapter-clamp collar

	MW108 2 ST		MW108 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	334	87	130		165	200	M10	19		22	6	17	5	16	-	139
90D	304	56	334	87	130		165	200	M10	24		27	8	17	5	16	132	139
100D	308	61	342	94	180		215	250	M12	28		31	8	22	5	7	133	141
112D	314	67	346	98	180	H7	215	250	M12	28	F7	31	8	21	5	7	139	142
132D	354	107	387	139	230		265	300	M12	38		41	10	21	5	22	144	149
160D	398	151	428	180	250		300	350	M16	42		45	12	27	6	20	154	161
180D	412	164	-	-	250		300	350	M16	48		52	14	22	6	22	163	-
200D	422	174	-	-	300		350	400	M16	55		59	16	28	6	30	164	-

IEC motor adapter-3-pc coupled

	MW108 2 ST		MW108 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	442	194	130		165	200	M10	19		22	6	17	5	15	-	146
90D	411	164	442	194	130		165	200	M10	24		27	8	17	5	26	139	146
100D	431	183	464	216	180		215	250	M12	28		31	8	17	5	30	143	151
112D	427	180	459	211	180	H7	215	250	M12	28	H7	31	8	19	5	30	149	153
132D	488	240	520	273	230		265	300	M12	38		41	10	19	5	45	157	162
160D	534	319	585	337	250		300	350	M16	42		45	12	30	6	66	178	185
180D	606	358	-	-	250		300	350	M16	48		52	14	25	6	59	200	-
200D	607	359	-	-	300		350	400	M16	55		59	16	25	6	60	206	-

Free input

	MW108 2 ST		MW108 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	U1	Key	2 St [kg]	3 St [kg]
80	-	-	426	179	4	M6 x 16	19		40	22	6 x 6 x 32	-	142
90	406	158	436	189	5	M8 x 19	24		50	27	8 x 7 x 40	140	142
100	419	171	452	205	5	M10 x 22	28		60	31	8 x 7 x 50	142	146
112	417	170	449	201	5	M10 x 22	28	k6	60	31	8 x 7 x 50	144	148
132	501	253	533	286	5	M12 x 28	38		80	41	10 x 8 x 70	153	158
160	545	298	575	327	10	M16 x 36	42		110	45	12 x 8 x 90	163	170
180	566	318	-	-	10	M20 x 42	55		110	59	16 x 10 x 90	175	-

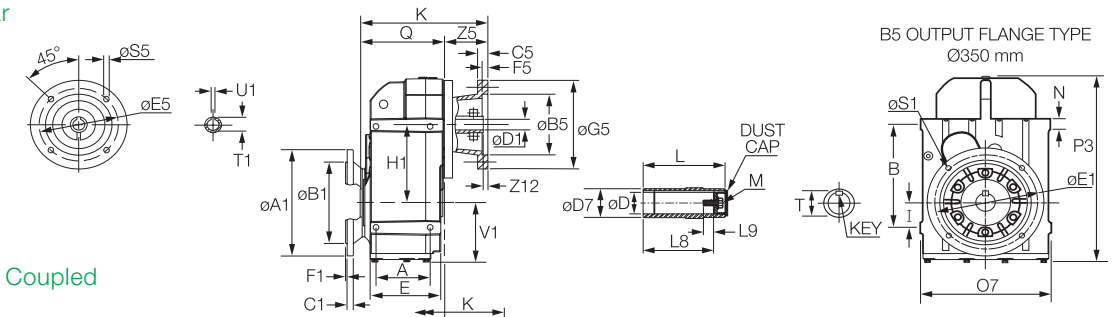
* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.
Weights are for B14 flange.
B5 flange = +10 kg.

Quantis® reducers

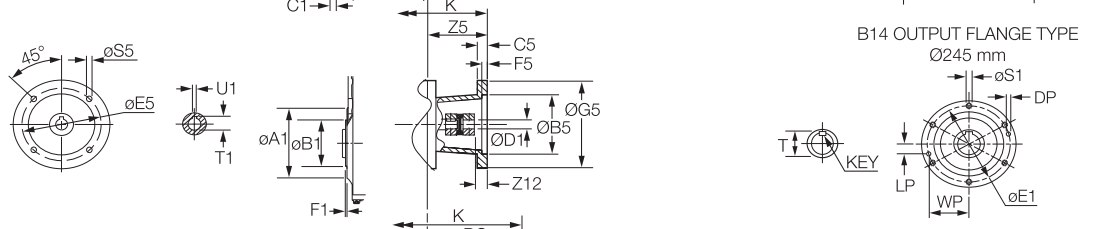
MSM reducer dimensions

Universal mount (B5 - B14), hollow output shaft MW108

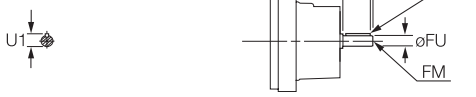
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
60	H7	95	64	208	68	240	18 x 11 x 100	M20 x 80

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
70	H7	95	75	208	67	240	20 x 12 x 110	M20 x 80

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
380	607	186	248	264	165	350	206	100	40

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
245	180	j6	215	M16 x 28	4	12	28	103

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
350	250	h6	300	18	5	18

IEC motor adapter-clamp collar

	MW108 2 ST		MW108 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	334	87	130		165	200	M10	19		22	6	17	5	16	-	139
90D	304	56	334	87	130		165	200	M10	24		27	8	17	5	16	132	139
100D	308	61	342	94	180		215	250	M12	28		31	8	22	5	7	133	141
112D	314	67	346	98	180	H7	215	250	M12	28	F7	31	8	21	5	7	139	142
132D	354	107	387	139	230		265	300	M12	38		41	10	21	5	22	144	149
160D	398	151	428	180	250		300	350	M16	42		45	12	27	6	20	154	161
180D	412	164	-	-	250		300	350	M16	48		52	14	22	6	22	163	-
200D	422	174	-	-	300		350	400	M16	55		59	16	28	6	30	164	-

IEC motor adapter-3-pc coupled

	MW108 2 ST		MW108 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
80D	-	-	430	182	130		165	200	M10	19		22	6	17	5	15	-	146
90D	411	164	430	182	130		165	200	M10	24		27	8	17	5	26	139	146
100D	431	183	453	206	180		215	250	M12	28		31	8	17	5	30	143	151
112D	427	180	448	200	180	H7	215	250	M12	28	H7	31	8	19	5	30	149	153
132D	488	240	514	267	230		265	300	M12	38		41	10	19	5	45	157	162
160D	555	308	585	337	250		300	350	M16	42		45	12	30	6	66	178	185
180D	606	358	-	-	250		300	350	M16	48		52	14	25	6	59	200	-
200D	607	359	-	-	300		350	400	M16	55		59	16	25	6	60	206	-

Free input

	MW108 2 ST		MW108 3ST		2 stage-3 stage								Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key		2 St [kg]	3 St [kg]
80	-	-	426	179	4	M6 x 16	19		40	22	6 x 6 x 32		-	142
90	406	158	436	189	5	M8 x 19	24		50	27	8 x 7 x 40		140	142
100	419	171	452	205	5	M10 x 22	28		60	31	8 x 7 x 50		142	146
112	417	170	449	201	5	M10 x 22	28	k6	60	31	8 x 7 x 50		144	148
132	501	253	533	286	5	M12 x 28	38		80	41	10 x 8 x 70		153	158
160	545	298	575	327	10	M16 x 36	42		110	45	12 x 8 x 90		163	170
180	566	318	-	-	10	M20 x 42	55		110	59	16 x 10 x 90		175	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

Weights are for B14 flange.
B5 flange = +10 kg.

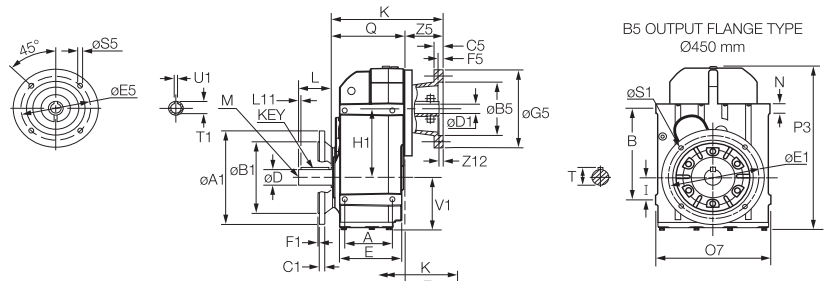
Quantis® reducers

MSM reducer dimensions

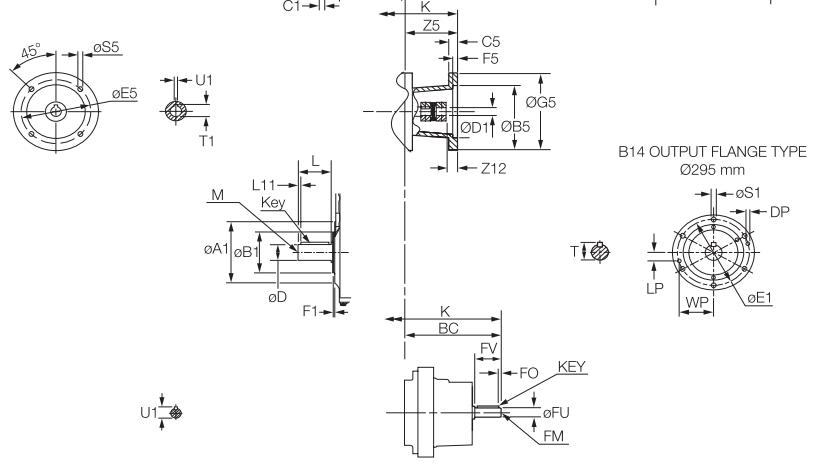
MW128

Universal mount (B5 - B14), solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
70	m6	75	140	15	20 x 12 x 125	M20 x 42

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
90	m6	95	170	15	25 x 14 x 140	M24 x 50

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
450	723	224	299	317	205	415	266	120	50

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
297	230	j6	265	M16 x 28	4	12	43	125

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	18	5	22

IEC motor adapter-clamp collar

	MW128 2 ST		MW128 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
90D	-	-	379	80	130		165	200	M10	24		27	8	17	5	16	-	232
100D	350	51	386	87	180		215	250	M12	28		31	8	22	5	7	222	234
112D	355	56	389	90	180		215	250	M12	28		31	8	21	5	7	223	235
132D	395	96	429	130	230	H7	265	300	M12	38	F7	41	10	21	5	22	232	243
160D	433	134	470	171	250		300	350	M16	42		45	12	27	6	20	246	254
180D	450	151	487	188	250		300	350	M16	48		52	14	22	6	22	250	262
200D	460	161	497	198	300		350	400	M16	55		59	16	28	6	30	251	263

IEC motor adapter-3-pc coupled

	MW128 2 ST		MW128 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
90D	-	-	486	187	130		165	200	M10	24		27	8	17	5	26	-	239
100D	473	174	509	210	180		215	250	M12	28		31	8	19	5	30	232	244
112D	468	169	502	203	180		215	250	M12	28		31	8	19	5	30	234	246
132D	529	230	563	264	230		265	300	M12	38		41	10	19	5	45	245	256
160D	590	291	627	328	250	H7	300	350	M16	42	H7	45	12	30	6	66	271	278
180D	644	345	681	382	250		300	350	M16	48		52	14	25	6	59	288	300
200D	645	346	682	383	300		350	400	M16	55		59	16	25	6	60	294	306
225D	728	429	-	-	350		400	450	M16	60		64	18	27	6	90	341	-

Free input

	MW128 2 ST		MW128 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	U1	Key	2 St [kg]	3 St [kg]
90	-	-	481	182	5	M8 X 19	24	k6	50	27	8 x 7 x 40	-	235
100	461	162	497	198	5	M10 X 22	28	k6	60	31	8 x 7 x 50	232	239
112	458	159	492	193	5	M10 X 22	28	k6	60	31	8 x 7 x 50	234	240
132	542	243	576	277	5	M12 X 28	38	k6	80	41	10 x 8 x 70	241	276
160	580	281	617	318	10	M16 X 36	42	k6	110	45	12 x 8 x 90	280	287
180	604	305	641	342	10	M20 X 42	55	k6	110	59	16 x 10 x 90	287	298
225	661	362	-	-	15	M20 X 42	60	m6	140	64	18 x 11 x 110	315	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

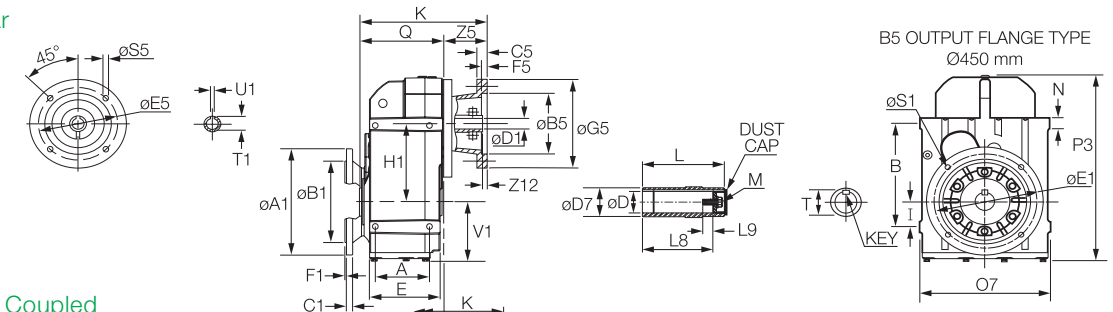
Weights are for B14 flange.
B5 flange = +17 kg.

Quantis® reducers

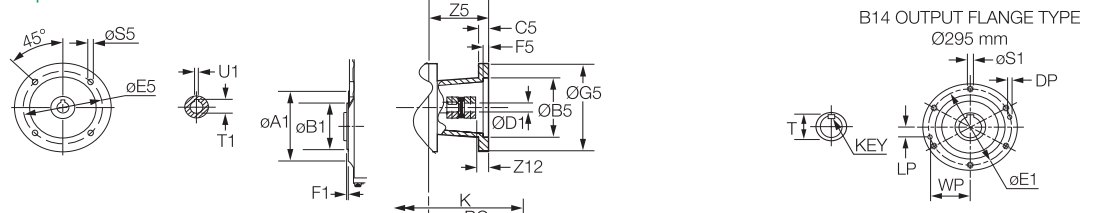
MSM reducer dimensions

Universal mount (B5 - B14), hollow output shaft MW128

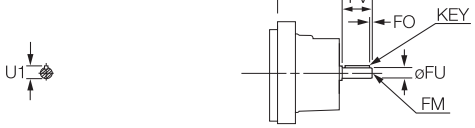
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
70	H7	110	75	263	68	300	20 x 12 x 110	M20 x 80

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
80	H7	110	85	263	67	300	22 x 14 x 125	M20 x 85

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
450	723	224	299	317	205	415	266	120	50

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
297	230	j6	265	M16 x 28	4	12	43	125

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	18	5	22

IEC motor adapter-clamp collar

	MW128 2 ST		MW128 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
90D	-	-	379	80	130		165	200	M10	24		27	8	17	5	16	-	232
100D	350	51	386	87	180		215	250	M12	28		31	8	22	5	7	222	234
112D	355	56	389	90	180		215	250	M12	28		31	8	21	5	7	223	235
132D	395	96	429	130	230	H7	265	300	M12	38	F7	41	10	21	5	22	232	243
160D	433	134	470	171	250		300	350	M16	42		45	12	27	6	20	246	254
180D	450	151	487	188	250		300	350	M16	48		52	14	22	6	22	250	262
200D	460	161	497	198	300		350	400	M16	55		59	16	28	6	30	251	263

IEC motor adapter-3-pc coupled

	MW128 2 ST		MW128 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
90D	-	-	486	187	130		165	200	M10	24		27	8	17	5	26	-	239
100D	473	174	509	210	180		215	250	M12	28		31	8	19	5	30	232	244
112D	468	169	502	203	180		215	250	M12	28		31	8	19	5	30	234	246
132D	529	230	563	264	230	H7	265	300	M12	38	H7	41	10	19	5	45	245	256
160D	590	291	627	328	250		300	350	M16	42		45	12	30	6	66	271	278
180D	644	345	681	382	250		300	350	M16	48		52	14	25	6	59	288	300
200D	645	346	682	383	300		350	400	M16	55		59	16	25	6	60	294	306
225D	728	429	-	-	350		400	450	M16	60		64	18	27	6	90	341	-

Free input

	MW128 2 ST		MW128 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
90	-	-	481	182	5	M8 X 19	24	k6	50	27	8 x 7 x 40	-	235
100	461	162	497	198	5	M10 X 22	28	k6	60	31	8 x 7 x 50	232	239
112	458	159	492	193	5	M10 X 22	28	k6	60	31	8 x 7 x 50	234	240
132	542	243	576	277	5	M12 X 28	38	k6	80	41	10 x 8 x 70	241	276
160	580	281	617	318	10	M16 X 36	42	k6	110	45	12 x 8 x 90	280	287
180	604	305	641	342	10	M20 X 42	55	k6	110	59	16 x 10 x 90	287	298
225	661	362	-	-	15	M20 X 42	60	m6	140	64	18 x 11 x 110	315	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

Weights are for B14 flange.
B5 flange = +17 kg.

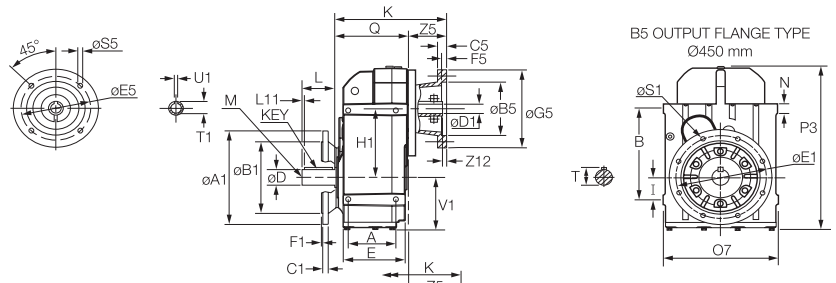
Quantis® reducers

MSM reducer dimensions

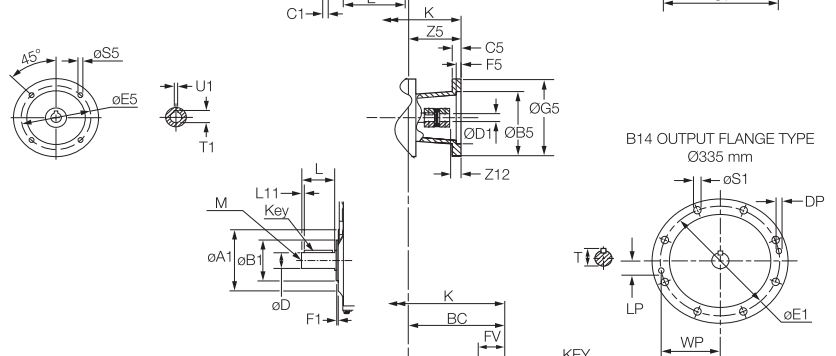
MW148

Universal mount (B5 - B14), solid output shaft

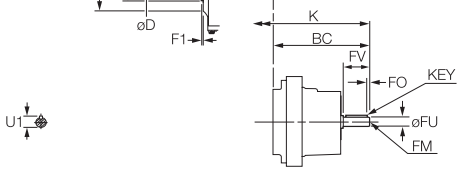
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
90	m6	95	170	15	25 x 14 x 140	M24 x 50

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
100	m6	106	210	15	28 x 16 x 180	M24 x 50

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
500	823	256	349	355	220	465	308	125	60

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
334	250	h6	300	M20 x 34	5	16	31	145

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	18	5	22

IEC motor adapter-clamp collar

	MW148 2 ST		MW148 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
100D	-	-	431	82	180		215	250	M12	28		31	8	22	5	7	-	337
112D	-	-	436	87	180		215	250	M12	28		31	8	21	5	7	-	337
132D	437	88	475	126	230	H7	265	300	M12	38	F7	41	10	21	5	22	331	344
160D	476	127	514	165	250		300	350	M16	42		45	12	27	6	20	341	355
180D	492	143	530	181	250		300	350	M16	48		52	14	22	6	22	349	363
200D	502	153	540	191	300		350	400	M16	55		59	16	28	6	30	350	364

IEC motor adapter-3-pc coupled

	MW148 2 ST		MW148 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
100D	-	-	554	205	180		215	250	M12	28		31	8	19	5	30	-	347
112D	-	-	549	200	180		215	250	M12	28		31	8	19	5	30	-	348
132D	571	222	609	260	230		265	300	M12	38		41	10	19	5	45	344	357
160D	633	284	671	322	250	H7	300	350	M16	42	H7	45	12	30	6	66	365	379
180D	686	337	724	375	250		300	350	M16	48		52	14	25	6	59	386	401
200D	687	338	725	376	300		350	400	M16	55		59	16	25	6	60	392	407
225D	771	422	809	460	350		400	450	M16	60		64	18	27	6	90	437	453
250D	775	426	-	-	450		500	550	M16	65		69	18	27	6	75	473	-

Free input

	MW148 2 ST		MW148 3ST		2 stage-3 stage						Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	U1	Key	2 St [kg]	3 St [kg]
100	-	-	542	193	5	M10 X 22	28	k6	60	31	8 x 7 x 50	-	342
112	-	-	539	190	5	M10 X 22	28	k6	60	31	8 x 7 x 50	-	343
132	584	235	622	273	5	M12 x 28	38	k6	80	41	10 x 8 x 70	340	353
160	623	274	661	312	10	M16 x 36	42	k6	110	45	12 x 8 x 90	350	364
180	646	297	684	335	10	M20 x 42	55	k6	110	59	16 x 10 x 90	361	375
225	703	355	741	393	15	M20 x 42	60	m6	140	64	18 x 11 x 110	386	401
250	703	354	-	-	15	M20 X 42	65	m6	140	69	18 x 11 x 110	394	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

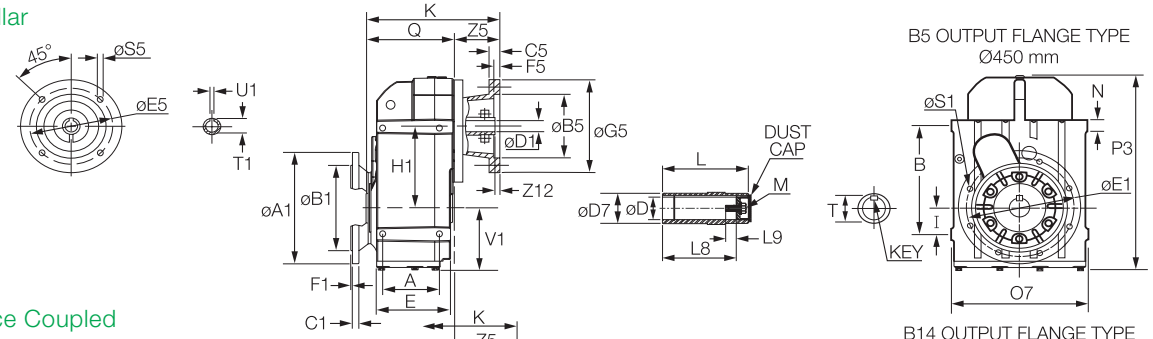
Weights are for B14 flange.
B5 flange = +19 kg.

Quantis® reducers

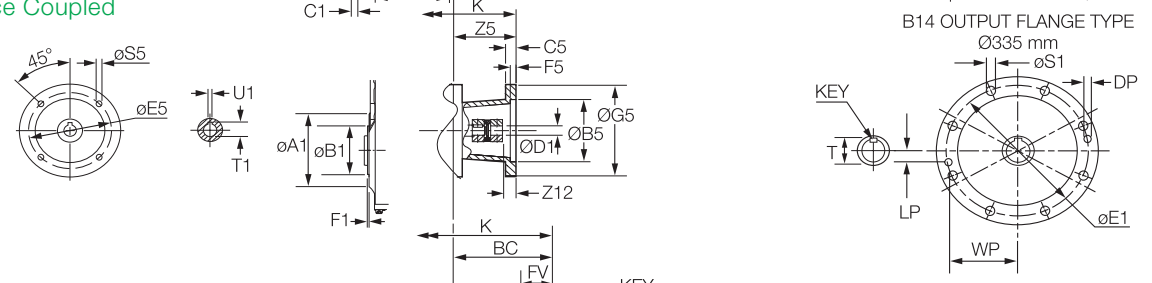
MSM reducer dimensions

Universal mount (B5 - B14), hollow output shaft MW148

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
80	H7	120	120	310	68	350	22 x 14 x 125	M20 x 85

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
90	H7	120	95	310	77	350	22 x 14 x 140	M24 x 95

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
500	823	256	349	355	220	465	308	125	60

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
334	250	h6	300	M20 x 34	5	16	31	145

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
450	350	h6	400	18	5	22

IEC motor adapter-clamp collar

	MW148 2 ST		MW148 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
100D	-	-	431	82	180		215	250	M12	28		31	8	22	5	7	-	337
112D	-	-	436	87	180		215	250	M12	28		31	8	21	5	7	-	337
132D	437	88	475	126	230	H7	265	300	M12	38	F7	41	10	21	5	22	331	344
160D	476	127	514	165	250		300	350	M16	42		45	12	27	6	20	341	355
180D	492	143	530	181	250		300	350	M16	48		52	14	22	6	22	349	363
200D	502	153	540	191	300		350	400	M16	55		59	16	28	6	30	350	364

IEC motor adapter-3-pc coupled

	MW148 2 ST		MW148 3ST		2 stage-3 stage											Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
100D	-	-	554	205	180		215	250	M12	28		31	8	19	5	30	-	347
112D	-	-	549	200	180		215	250	M12	28		31	8	19	5	30	-	348
132D	571	222	609	260	230		265	300	M12	38		41	10	19	5	45	344	357
160D	633	284	671	322	250	H7	300	350	M16	42	H7	45	12	30	6	66	365	379
180D	686	337	724	375	250		300	350	M16	48		52	14	25	6	59	386	401
200D	687	338	725	376	300		350	400	M16	55		59	16	25	6	60	392	407
225D	771	422	809	460	350		400	450	M16	60		64	18	27	6	90	437	453
250D	775	426	-	-	450		500	550	M16	65		69	18	27	6	75	473	-

Free input

	MW148 2 ST		MW148 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
100	-	-	542	193	5	M10 X 22	28	k6	60	31	8 x 7 x 50	-	342
112	-	-	539	190	5	M10 X 22	28	k6	60	31	8 x 7 x 50	-	343
132	584	235	622	273	5	M12 x 28	38	k6	80	41	10 x 8 x 70	340	353
160	623	274	661	312	10	M16 x 36	42	k6	110	45	12 x 8 x 90	350	364
180	646	297	684	335	10	M20 x 42	55	k6	110	59	16 x 10 x 90	361	375
225	703	355	741	393	15	M20 x 42	60	m6	140	64	18 x 11 x 110	386	401
250	703	354	-		15	M20 X 42	65	m6	140	69	18 x 11 x 110	394	-

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

Weights are for B14 flange.
B5 flange = +19 kg.

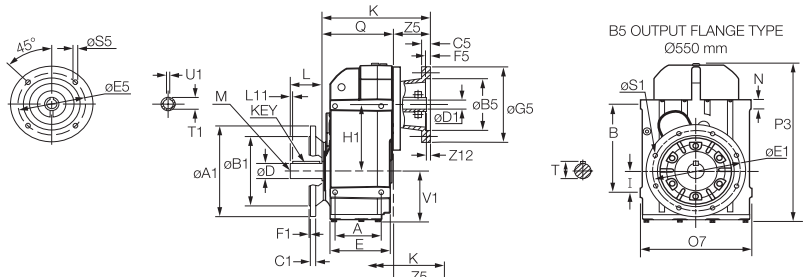
Quantis® reducers

MSM reducer dimensions

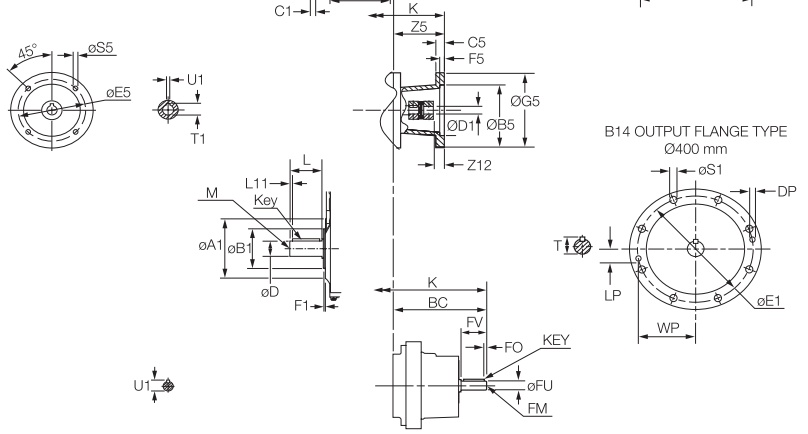
MW168

Universal mount (B5 - B14), solid output shaft

Clamp Collar



Three-Piece Coupled



Free Input

Standard output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
110	m6	116	210	15	28 x 16 x 180	M24 x 50

Optional output shaft

Ø D	Tol.	T	L	L11	Key	M-Tap
120	m6	127	210	15	32 x 18 x 180	M24 x 50

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
600	932	290	399	412	270	535	142	362	72

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
407	300	h6	350	M20 x 34	5	16	37	171

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
550	450	h6	500	18	5	25

IEC motor adapter-clamp collar

	MW168 2 ST		MW168 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
132D	473	74	514	115	230	H7	265	300	M12	38	F7	41	10	21	5	22	536	551
160D	511	112	552	153	250		300	350	M16	42		45	12	21	6	20	545	561
180D	528	129	569	170	250		300	350	M16	48		52	14	27	6	22	552	569
200D	538	139	579	180	300		350	400	M16	55		59	16	28	6	30	554	571

IEC motor adapter-3-pc coupled

	MW168 2 ST		MW168 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
132D	606	207	647	248	230	H7	265	300	M12	38	H7	41	10	19	5	45	549	564
160D	668	269	709	310	250		300	350	M16	42		45	12	30	6	66	569	585
180D	722	323	763	364	250		300	350	M16	48		52	14	25	6	59	590	607
200D	723	324	764	365	300		350	400	M16	55		59	16	25	6	60	596	613
225D	806	407	847	448	350		400	450	M16	60		64	18	27	6	90	641	659
250D	811	412	852	453	450		500	550	M16	65		69	18	27	6	75	676	695

Free input

	MW168 2 ST		MW168 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	U1	Key	2 St [kg]	3 St [kg]
132	619	220	660	261	5	M12 x 28	38	k6	80	41	10 x 8 x 70	545	560
160	658	259	701	302	10	M16 x 36	42	k6	110	45	12 x 8 x 90	554	570
180	682	283	723	324	10	M20 x 42	55	k6	110	59	16 x 10 x 90	565	581
225	739	340	780	381	15	M20 x 42	60	m6	140	64	18 x 11 x 110	590	607
250	739	340	780	381	15	M20 X 42	65	m6	140	69	18 x 11 x 110	597	616

* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

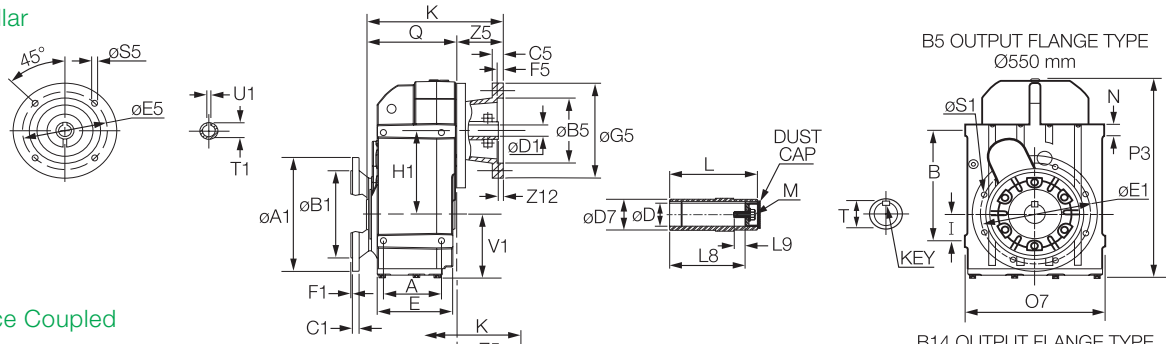
Weights are for B14 flange.
B5 flange = +32 kg.

Quantis® reducers

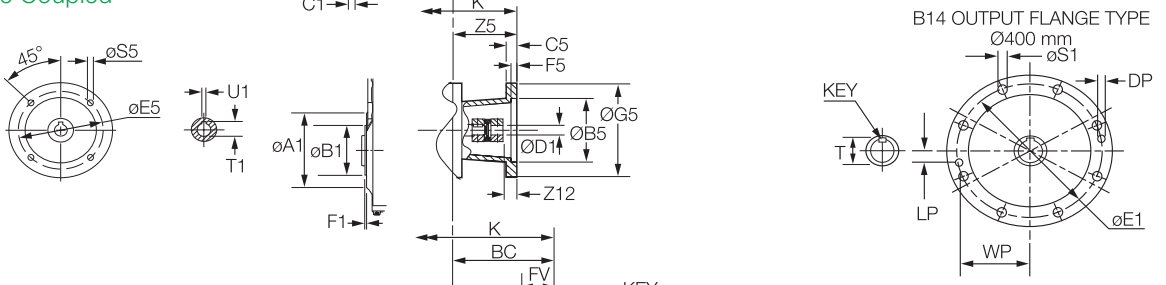
MSM reducer dimensions

Universal mount (B5 - B14), hollow output shaft MW168

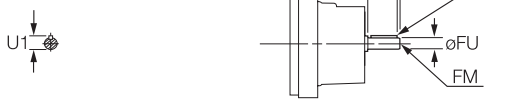
Clamp Collar



Three-Piece Coupled



Free Input



Standard output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
100	H7	150	106	366	77	410	28 x 16 x 160	M24 x 95

Optional output shaft

Ø D	Tol.	D7	T	L8	L9	L	Key	M-Tap
110	H7	150	116	366	78	410	28 x 16 x 160	M24 x 100

Gearcase

O7	P3	V1	Q	H1	A	B	E	I	N
600	932	290	399	412	270	535	142	362	72

Output flange (B14)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	DP	LP	WP
407	300	h6	350	M20 x 34	5	16	37	171

Output flange (B5)

Ø A1	Ø B1	Tol.	Ø E1	Ø S1	F1	C1
550	450	h6	500	18	5	25

IEC motor adapter-clamp collar

	MW168 2 ST		MW168 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
132D	473	74	514	115	230	H7	265	300	M12	38	F7	41	10	21	5	22	536	551
160D	511	112	552	153	250		300	350	M16	42		45	12	21	6	20	545	561
180D	528	129	569	170	250		300	350	M16	48		52	14	27	6	22	552	569
200D	538	139	579	180	300		350	400	M16	55		59	16	28	6	30	554	571

IEC motor adapter-3-pc coupled

	MW168 2 ST		MW168 3ST		2 stage-3 stage												Weight *	
Frame	K	Z5	K	Z5	Ø B5	Tol.	Ø E5	Ø G5	Ø S5	Ø D1	Tol.	T1	U1	C5	F5	Z12	2 St [kg]	3 St [kg]
132D	606	207	647	248	230	H7	265	300	M12	38	H7	41	10	19	5	45	549	564
160D	668	269	709	310	250		300	350	M16	42		45	12	30	6	66	569	585
180D	722	323	763	364	250		300	350	M16	48		52	14	25	6	59	590	607
200D	723	324	764	365	300		350	400	M16	55		59	16	25	6	60	596	613
225D	806	407	847	448	350		400	450	M16	60		64	18	27	6	90	641	659
250D	811	412	852	453	450		500	550	M16	65		69	18	27	6	75	676	695

Free input

	MW168 2 ST		MW168 3ST		2 stage-3 stage							Weight *	
Frame	K	BC	K	BC	FO	FM	Ø FU	Tol.	FV	FZ	Key	2 St [kg]	3 St [kg]
132	619	220	660	261	5	M12 x 28	38	k6	80	41	10 x 8 x 70	545	560
160	658	259	701	302	10	M16 x 36	42	k6	110	45	12 x 8 x 90	554	570
180	682	283	723	324	10	M20 x 42	55	k6	110	59	16 x 10 x 90	565	581
225	739	340	780	381	15	M20 x 42	60	m6	140	64	18 x 11 x 110	590	607
250	739	340	780	381	15	M20 X 42	65	m6	140	69	18 x 11 x 110	597	616

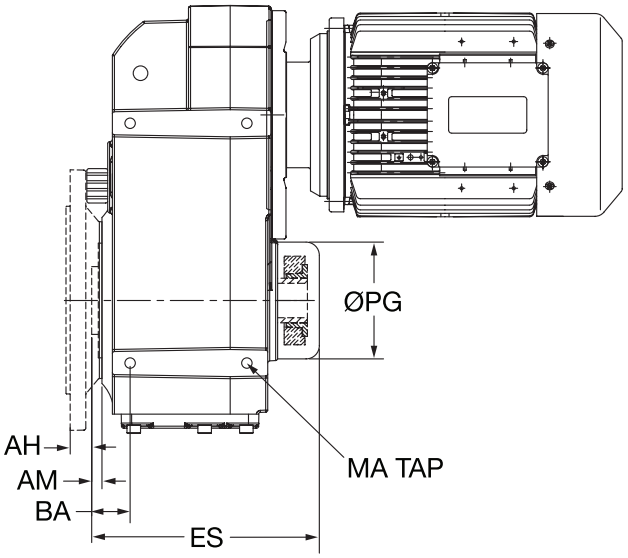
* Weights are without oil.
Refer to page 186-188 for oil quantities.
3-Piece Coupled weights are without backstop.

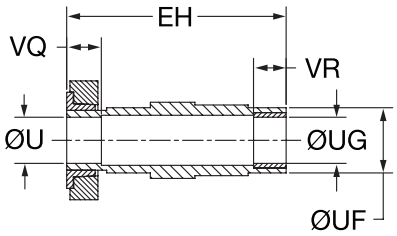
Weights are for B14 flange.
B5 flange = +32 kg.

Quantis® reducers

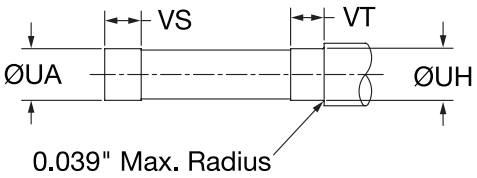
MSM dimensions

Shrink Disc – universal mounted





CUSTOMER SHAFT

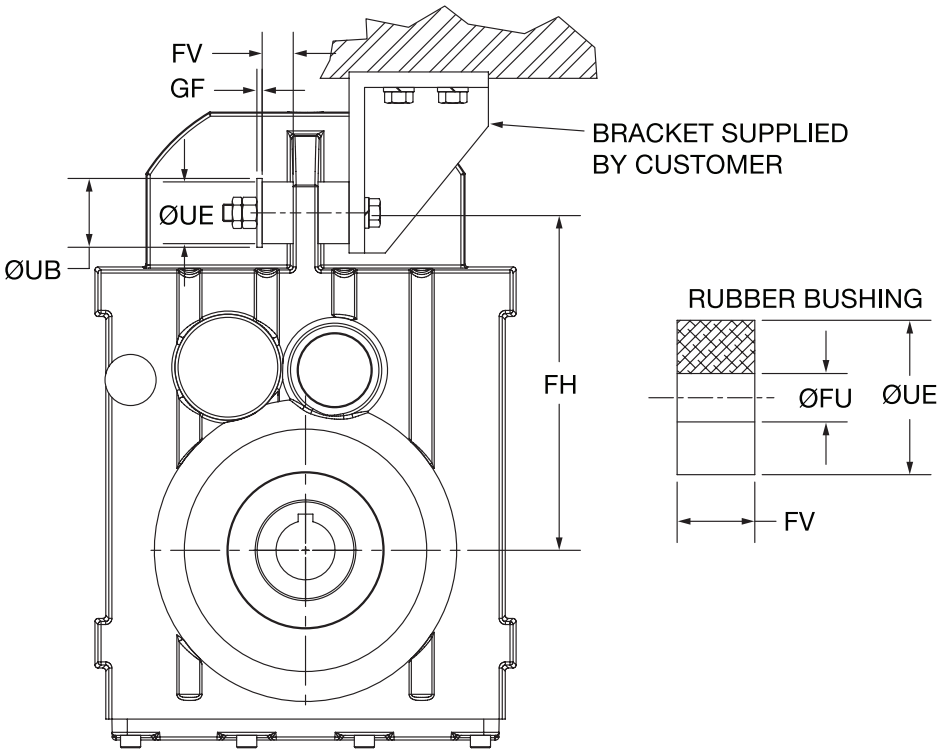


Type	AM	BA	I2	AH	ES	MA	Ø PG	EH	Ø U	Tol.	Ø UA	Tol.	Ø UF	Ø UG	Tol.	Ø UH	Tol.	VQ	VR	VS	VT
MW38	6	25	24	24	154	M8	77	146	30	H7	30	h6	45	30	H7	30	h6	22	20	27	25
MW48	7	37	25	25	184	M10	93	177	40	H7	40	h6	55	40	H7	40	h6	25	20	30	25
MW68	7,5	35	23	23	216	M12	112	209	50	H7	50	h6	65	50	H7	50	h6	27	20	32	25
MW88	8,5	37	37	37	249	M16	132	241	60	H7	60	h6	80	60	H7	60	h6	29	30	34	35
MW108	9	46	36	36	288	M16	144	280	70	H7	70	h6	95	70	H7	70	h6	30	40	35	45
MW128	9	63	42	42	357	M20	180	345	80	H7	80	h6	110	80	H7	80	h6	40	50	45	55
MW148	11	70	41	41	418	M24	210	404	95	H7	95	h6	120	95	H7	95	h6	49	60	54	65
MW168	11	80	51	51	496	M30	237	483	105	H7	105	h6	150	105	H7	105	h6	54	70	59	75

Quantis® reducers

MSM dimensions

Torque Arm bushing



Type	FH	FV	UB	UE	FU	GF (Min)	Rubber bushing kit
MW38	157	15	40	30	10,5	2,5	086043
MW48	185	20	50	40	12,5	3	086050
MW68	218	20	50	40	12,5	3	086072
MW88	278	30	75	60	21	4	086078
MW108	346	30	75	60	21	4	086084
MW128	395	40	100	80	25	6	086090
MW148	485	40	100	80	25	6	086096
MW168	550	50	40	120	31	8	086102

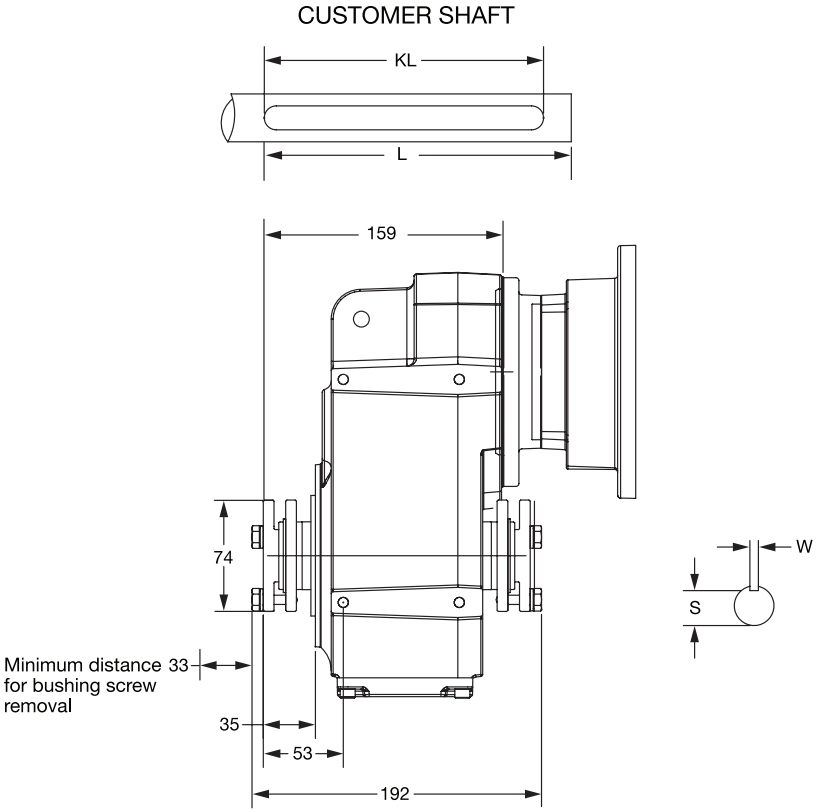
Material of Bushings: Natural Rubber - Hardness 70 +/- 5 Shore A

Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW38

Twin tapered bushing



Part number	MSM size 38	Bore	Weight (kg)	L (4)	Part number	MSM size 38	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
093105	Standard (1)	1,3750"	0,9		---	---	---	---	---	0,3125"	1,201"	
093106	Standard	1,3125"	0,9		---	---	---	---	---	0,3125"	1,137"	
093107	Standard	1,2500"	1,1		---	---	---	---	---	0,250"	1,112"	
093108	Standard	1,1875"	0,9		093115	Short Shaft (2)	1,1875"	0,9		0,250"	1,049"	
093109	Standard	1,1250"	0,9	172	093116	Short Shaft	1,1250"	0,9	132	0,250"	0,986"	178
093110	Standard	1,0000"	0,9		093117	Short Shaft	1,0000"	0,9		0,250"	0,859"	
093111	Standard	35 MM	0,9		---	---	---	---	---	10 mm	30 mm	
093112	Standard	32 MM	0,9		---	---	---	---	---	10 mm	27 mm	
093113	Standard	30 MM	0,9		093118	Short Shaft	30 MM	0,9		8 mm	26 mm	
093114	Standard	25 MM	0,9		093119	Short Shaft	25 MM	0,9	132	8 mm	21 mm	

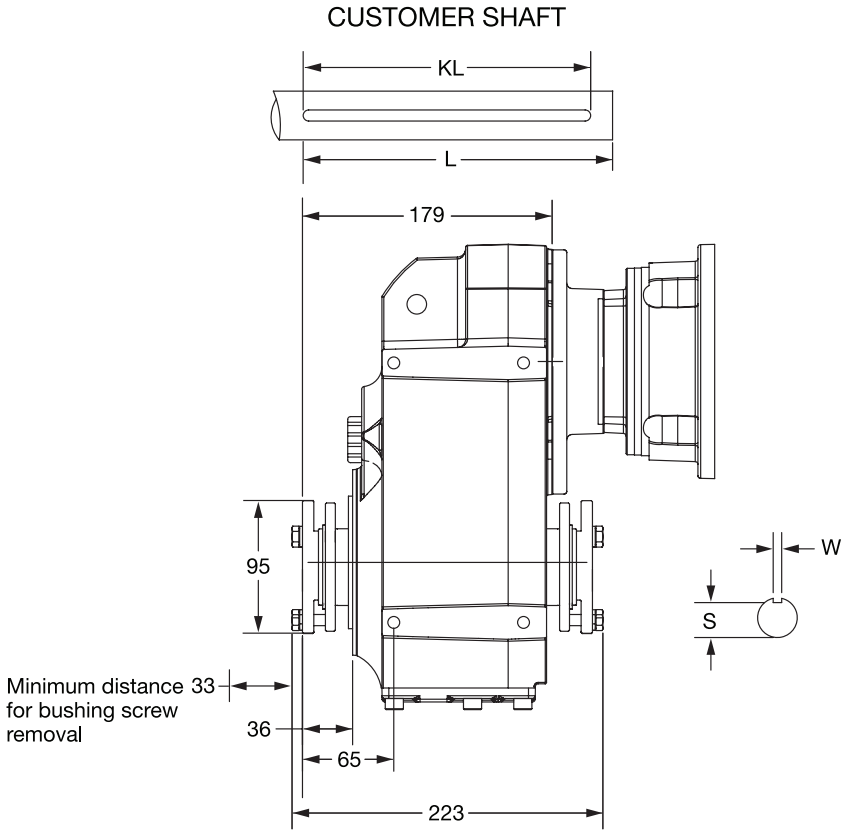
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW48

Twin tapered bushing



Part number	MSM size 48	Bore	Weight (kg)	L (4)	Part number	MSM size 48	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
092593	Standard (1)	1,5000"	1,5		---	---	---	---	---	0,375"	1,289"	
092594	Standard	1,4375"	1,6		092607	Short Shaft (2)	1,4375"	1,7		0,375"	1,225"	
092595	Standard	1,3750"	1,6		092608	Short Shaft	1,3750"	1,9		0,3125"	1,201"	
092596	Standard	1,3125"	1,7		092609	Short Shaft	1,3125"	1,8		0,3125"	1,137"	
092597	Standard	1,2500"	1,7		092610	Short Shaft	1,2500"	1,9		0,250"	1,112"	
092598	Standard	1,1875"	1,7		092611	Short Shaft	1,1875"	1,9	145	0,250"	1,049"	
092599	Standard	1,1250"	1,8		092612	Short Shaft	1,1250"	2,0		0,250"	0,986"	
092600	Standard	1,0625"	1,8	200	092613	Short Shaft	1,0625"	2,0		0,250"	0,923"	208
092601	Standard	1,0000"	1,9		092614	Short Shaft	1,0000"	2,1		0,250"	0,859"	
092602	Standard	40 MM	1,5		---	---	---	---	---	12 mm	35 mm	
092603	Standard	38 MM	1,5		---	---	---	---	---	12 mm	33 mm	
092604	Standard	35 MM	1,6		092615	Short Shaft	35 MM	1,8		10 mm	30 mm	
092605	Standard	32 MM	1,7		092616	Short Shaft	32 MM	1,9	145	10 mm	27 mm	
092606	Standard	30 MM	1,7		092617	Short Shaft	30 MM	1,9		10 mm	25 mm	

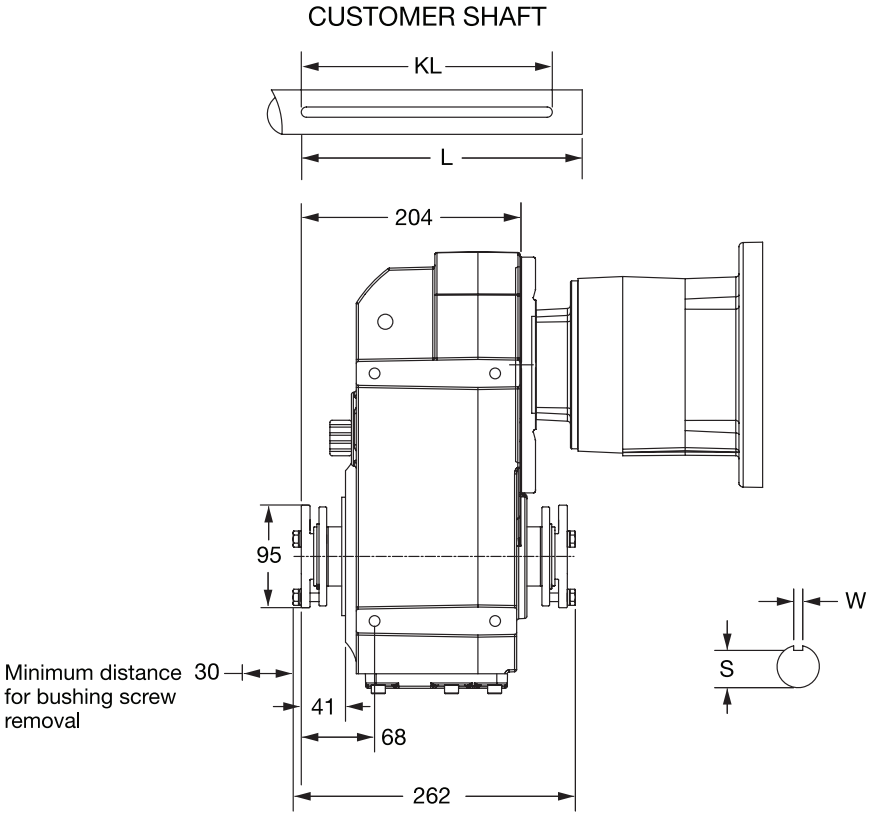
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW68

Twin tapered bushing



Part number	MSM size 68	Bore	Weight (kg)	L (4)	Part number	MSM size 68	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
093121	Standard (1)	1,8750"	2,3		---	---	---	---	---	0,500"	1,591"	
093122	Standard	1,7500"	2,3		---	---	---	---	---	0,375"	1,542"	
093123	Standard	1,6875"	2,3		---	---	---	---	---	0,375"	1,479"	
093124	Standard	1,6250"	2,3		---	---	---	---	---	0,375"	1,416"	
093125	Standard	1,5000"	2,3		093132	Short Shaft (2)	1,5000"	2,3		0,375"	1,289"	
093126	Standard	1,4375"	2,3		093133	Short Shaft	1,4375"	2,3		0,375"	1,225"	
093127	Standard	1,3750"	2,3		093134	Short Shaft	1,3750"	2,3		0,3125"	1,201"	
093128	Standard	1,3125"	2,3		093135	Short Shaft	1,3125"	2,3	185	0,3125"	1,137"	
093129	Standard	1,2500"	2,3		093136	Short Shaft	1,2500"	2,3		0,250"	1,112"	
093130	Standard	1,1875"	2,3	239	093137	Short Shaft	1,1875"	2,3		0,250"	1,049"	248
093131	Standard	1,1250"	2,3		093138	Short Shaft	1,1250"	2,3		0,250"	0,986"	
093139	Standard	45 MM	2,3		---	---	---	---	---	14 mm	39,5 mm	
093140	Standard	42 MM	2,3		---	---	---	---	---	12 mm	37 mm	
093141	Standard	40 MM	2,3		093146	Short Shaft	40 MM	2,3		12 mm	35 mm	
093142	Standard	38 MM	2,3		093147	Short Shaft	38 MM	2,3		12 mm	33 mm	
093143	Standard	35 MM	2,3		093148	Short Shaft	35 MM	2,3	185	10 mm	30 mm	
093144	Standard	32 MM	2,3		093149	Short Shaft	32 MM	2,3		10 mm	27 mm	
093145	Standard	30 MM	2,3		093150	Short Shaft	30 MM	2,3		8 mm	26 mm	

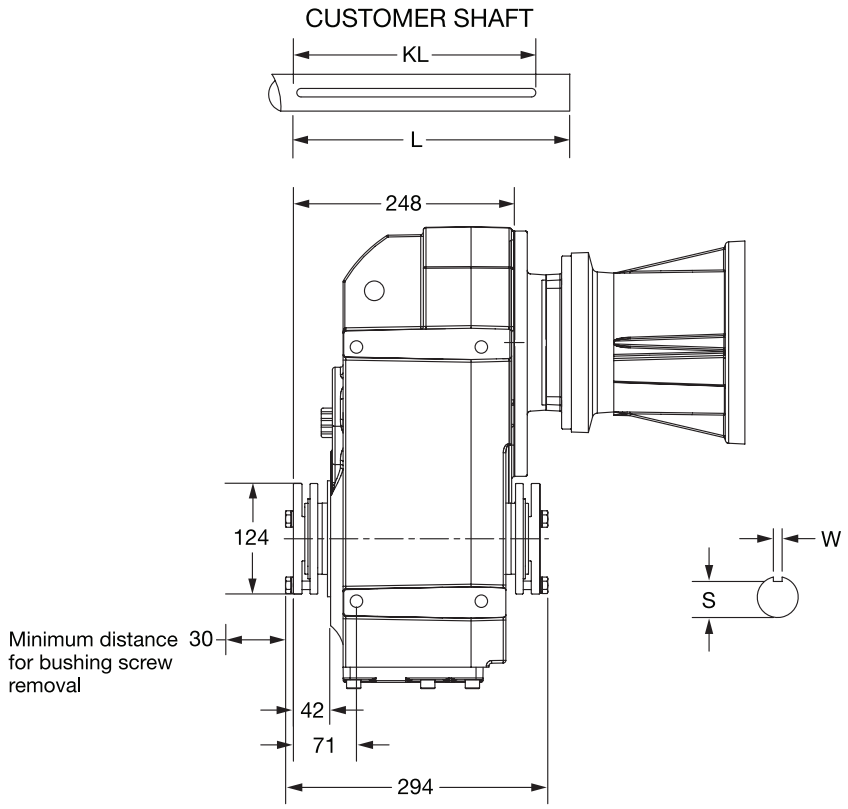
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW88

Twin tapered bushing



Part number	MSM size 88	Bore	Weight (kg)	L (4)	Part number	MSM size 88	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
092619	Standard (1)	2,3750"	2,8		---	---	---	---	---	0,625"	2,021"	
092620	Standard	2,2500"	2,8		---	---	---	---	---	0,500"	1,893"	
092621	Standard	2,1875"	3,0		092631	Short Shaft (2)	2,1875"	3,2		0,500"	1,909"	
092622	Standard	2,1250"	3,2		092632	Short Shaft	2,1250"	3,4		0,500"	1,845"	
092623	Standard	2,0000"	3,4		092633	Short Shaft	2,0000"	3,6		0,500"	1,718"	
092624	Standard	1,9375"	3,5		092634	Short Shaft	1,9375"	3,8		0,500"	1,655"	
092625	Standard	1,8750"	3,6		092635	Short Shaft	1,8750"	3,9		0,500"	1,591"	
092626	Standard	1,7500"	3,6		092636	Short Shaft	1,7500"	4,0	192	0,375"	1,542"	
092627	Standard	1,6875"	3,7		092637	Short Shaft	1,6875"	4,2		0,375"	1,479"	
092628	Standard	1,6250"	3,8		092638	Short Shaft	1,6250"	4,4		0,375"	1,416"	
092629	Standard	1,5000"	4,0	267	092639	Short Shaft	1,5000"	4,5		0,375"	1,289"	286
092630	Standard	1,4375"	4,0		092640	Short Shaft	1,4375"	4,5		0,375"	1,225"	
092641	Standard	60 MM	2,8		---	---	---	---	---	18 mm	53 mm	
092642	Standard	55 MM	3,1		092649	Short Shaft	55 MM	3,2		16 mm	49 mm	
092643	Standard	50 MM	3,4		092650	Short Shaft	50 MM	3,7		14 mm	44,5 mm	
092644	Standard	45 MM	3,7		092651	Short Shaft	45 MM	4,1		14 mm	39,5 mm	
092645	Standard	42 MM	3,8		092652	Short Shaft	42 MM	4,3	192	12 mm	37 mm	
092646	Standard	40 MM	3,9		092653	Short Shaft	40 MM	4,4		12 mm	35 mm	
092647	Standard	38 MM	4,0		092654	Short Shaft	38 MM	4,6		12 mm	33 mm	
092648	Standard	35 MM	4,1		092655	Short Shaft	35 MM	4,8		10 mm	30 mm	

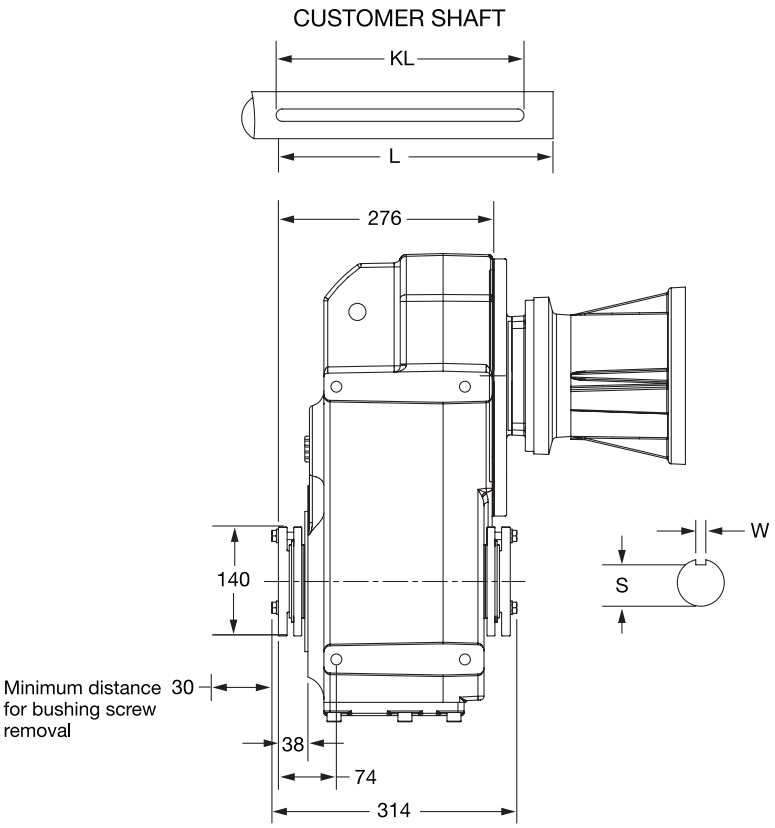
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW108

Twin tapered bushing



Part number	MSM size 108	Bore	Weight (kg)	L (4)	Part number	MSM size 108	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
092871	Standard (1)	2,6875"	4,3		---	---	---	---	---	0,625"	2,338"	
092872	Standard	2,5000"	4,8		---	---	---	---	---	0,625"	2,148"	
092873	Standard	2,4375"	4,9		092883	Short Shaft (2)	2,4375"	5,1		0,625"	2,084"	
092874	Standard	2,3750"	5,1		092884	Short Shaft	2,3750"	5,4		0,625"	2,021"	
092875	Standard	2,2500"	5,2		092885	Short Shaft	2,2500"	5,6		0,500"	1,893"	
092876	Standard	2,1875"	5,2		092886	Short Shaft	2,1875"	5,8		0,500"	1,909"	
092877	Standard	2,1250"	5,5		092887	Short Shaft	2,1250"	6		0,500"	1,845"	
092878	Standard	2,0000"	5,7		092888	Short Shaft	2,0000"	6,3	226	0,500"	1,718"	
092879	Standard	1,9375"	5,9		092889	Short Shaft	1,9375"	6,5		0,500"	1,655"	
092880	Standard	1,8750"	6,0	297	092890	Short Shaft	1,8750"	6,6		0,500"	1,591"	321
092881	Standard	1,7500"	6,0		092891	Short Shaft	1,7500"	6,8		0,375"	1,542"	
092882	Standard	1,6875"	6,1		092892	Short Shaft	1,6875"	6,9		0,375"	1,479"	
092893	Standard	70 MM	4,1		---	---	---	---	---	20 mm	62,5 mm	
092894	Standard	65 MM	4,5		092900	Short Shaft	65 MM	4,7		18 mm	58 mm	
092895	Standard	60 MM	5,0		092901	Short Shaft	60 MM	5,3		18 mm	53 mm	
092896	Standard	55 MM	5,4		092902	Short Shaft	55 MM	5,9		16 mm	49 mm	
092897	Standard	50 MM	5,7		092903	Short Shaft	50 MM	6,3	226	14 mm	44,5 mm	
092898	Standard	45 MM	5,7		092904	Short Shaft	45 MM	6,8		14 mm	39,5 mm	
092899	Standard	42 MM	6,2		092905	Short Shaft	42 MM	7,1		12 mm	37 mm	

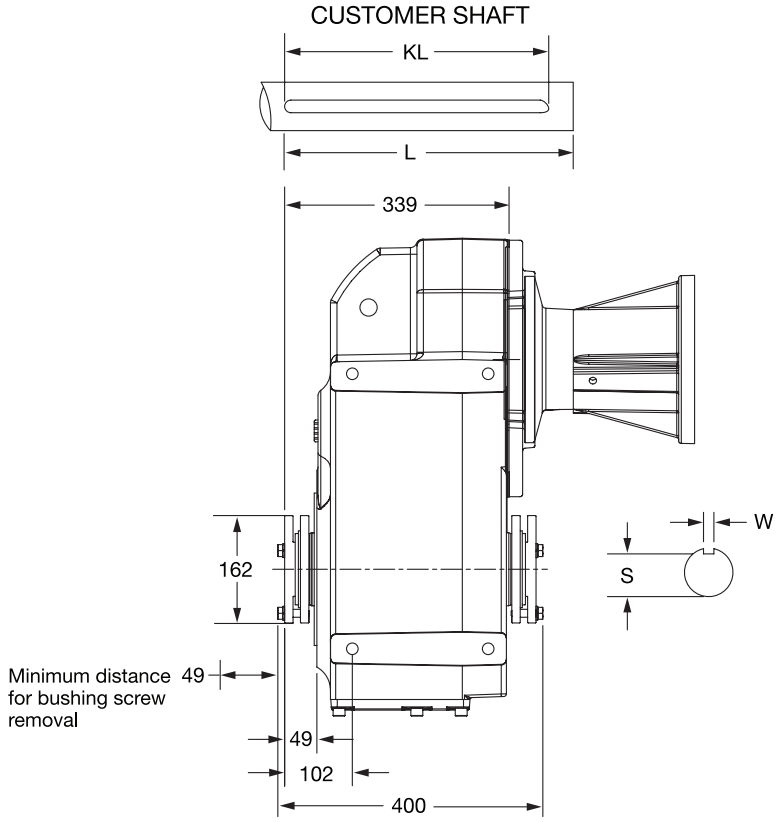
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW128

Twin tapered bushing



Part number	MSM size 128	Bore	Weight (kg)	L (4)	Part number	MSM size 128	Bore	Weight (kg)	L (4)	Shaft keyseat W	Shaft keyseat S	Shaft keyseat KL (3)
092834	Standard (1)	3,1875"	6,2		---	---	---	---	---	0,750"	2,768"	
092835	Standard	3,0000"	6,8		---	---	---	---	---	0,750"	2,577"	
092836	Standard	2,9375"	7,1		092847	Short Shaft (2)	2,9375"	7,3		0,750"	2,514"	
092837	Standard	2,8750"	7,3		092848	Short Shaft	2,8750"	7,7		0,750"	2,450"	
092838	Standard	2,6875"	7,6		092849	Short Shaft	2,6875"	8,2		0,625"	2,338"	
092839	Standard	2,5000"	8,1		092850	Short Shaft	2,5000"	8,9		0,625"	2,148"	
092840	Standard	2,4375"	8,2		092851	Short Shaft	2,4375"	9,1		0,625"	2,084"	
092841	Standard	2,3750"	8,3		092852	Short Shaft	2,3750"	9,3	289	0,625"	2,021"	
092842	Standard	2,2500"	8,6		092853	Short Shaft	2,2500"	9,7		0,500"	1,893"	
092843	Standard	2,1875"	8,7		092854	Short Shaft	2,1875"	9,9		0,500"	1,909"	
092844	Standard	2,1250"	8,8	378	092855	Short Shaft	2,1250"	10,1		0,500"	1,845"	397
092845	Standard	2,0000"	9,0		092856	Short Shaft	2,0000"	10,4		0,500"	1,718"	
092846	Standard	1,9375"	9,1		092857	Short Shaft	1,9375"	10,6		0,500"	1,655"	
092858	Standard	80 MM	6,4		---	---	---	---		22 mm	71 mm	
092859	Standard	75 MM	6,9		092865	Short Shaft	75 MM	7,2		20 mm	67,5 mm	
092860	Standard	70 MM	7,4		092866	Short Shaft	70 MM	7,9		20 mm	62,5 mm	
092861	Standard	65 MM	7,9		092867	Short Shaft	65 MM	8,6	289	18 mm	58 mm	
092862	Standard	60 MM	8,4		092868	Short Shaft	60 MM	9,8		18 mm	53 mm	
092863	Standard	55 MM	8,8		092869	Short Shaft	55 MM	10,0		16 mm	49 mm	
092864	Standard	50 MM	9,0		092870	Short Shaft	50 MM	10,5		14 mm	44,5 mm	

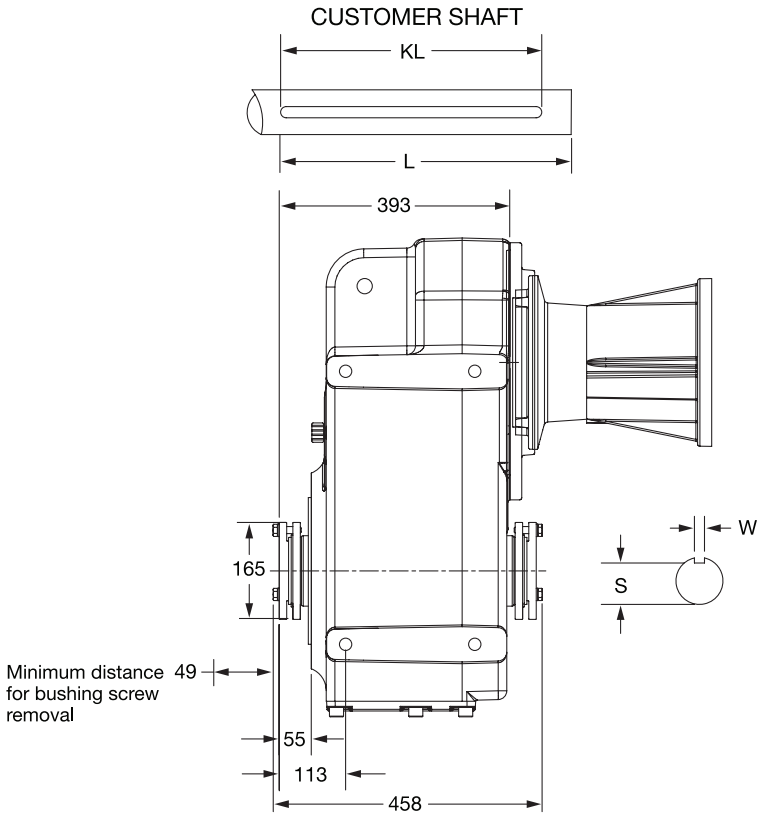
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW148

Twin tapered bushing



Part number	MSM size 148	Bore	Weight (kg)	L (4)	Part number	MSM size 148	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
093033	Standard (1)	3,4375"	7,3		093044	Short Shaft (2)	3,4375"	7,5		0,875"	2,943"	
093034	Standard	3,1875"	8,0		093045	Short Shaft	3,1875"	8,6		0,750"	2,768"'	
093035	Standard	3,0000"	8,7		093046	Short Shaft	3,0000"	9,5		0,750"	2,577"	
093036	Standard	2,9375"	8,9		093047	Short Shaft	2,9375"	9,8		0,750"	2,514"	
093037	Standard	2,8750"	9,1		093048	Short Shaft	2,8750"	10,1		0,750"	2,450"	
093038	Standard	2,6875"	9,5		093049	Short Shaft	2,6875"	10,8	335	0,625"	2,338"	
093039	Standard	2,5000"	10,0		093050	Short Shaft	2,5000"	11,5		0,625"	2,148"	
093040	Standard	2,4375"	10,1		093051	Short Shaft	2,4375"	11,7		0,625"	2,084"	
093041	Standard	2,3750"	10,3		093052	Short Shaft	2,3750"	11,9		0,625"	2,021"	
093042	Standard	2,2500"	10,5	426	093053	Short Shaft	2,2500"	12,1		0,500"	1,893"	450
093043	Standard	2,1875"	10,6		093054	Short Shaft	2,1875"	12,5		0,500"	1,909"	
093055	Standard	90 MM	6,8		---	---	---	---	---	25 mm	81 mm	
093056	Standard	85 MM	7,4		093062	Short Shaft	85 MM	7,8		22 mm	76 mm	
093057	Standard	80 MM	8,2		093063	Short Shaft	80 MM	8,8		22 mm	71 mm	
093058	Standard	75 MM	8,8		093064	Short Shaft	75 MM	9,6	335	20 mm	71 mm	
093059	Standard	70 MM	9,3		093065	Short Shaft	70 MM	10,4		20 mm	62,5 mm	
093060	Standard	65 MM	9,7		093066	Short Shaft	65 MM	10,9		18 mm	58 mm	
093061	Standard	60 MM	10,3		093067	Short Shaft	60 MM	11,9		18 mm	53 mm	

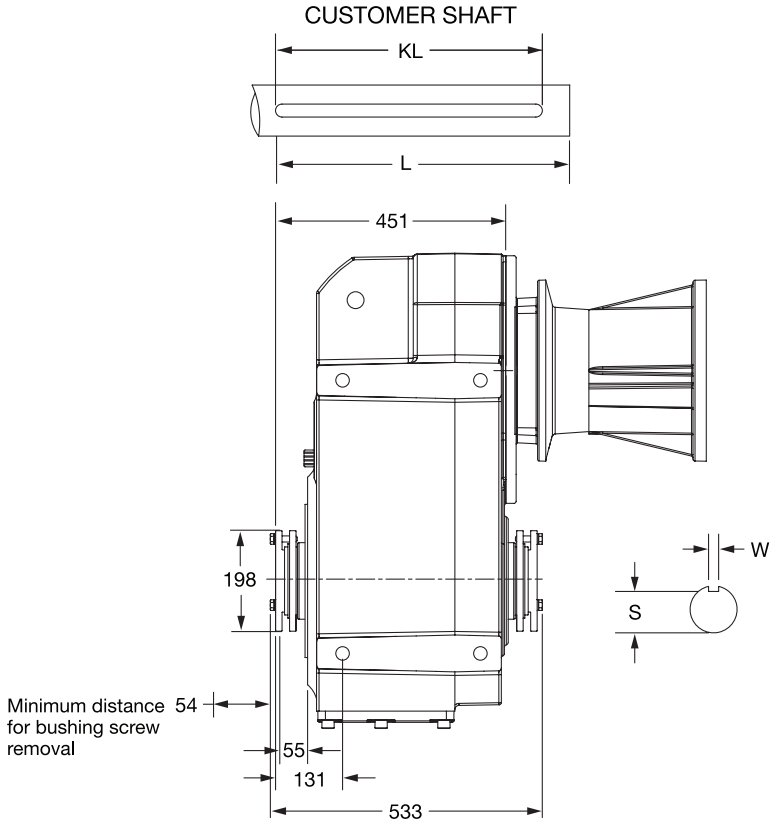
(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW168

Twin tapered bushing



Part number	MSM size 168	Bore	Weight (kg)	L (4)	Part number	MSM size 168	Bore	Weight (kg)	L (4)	Shaft keyseat W	S	KL (3)
093068	Standard (1)	4,4375"	9,3		---	---	---	---	---	1,000"	3,880"	
093069	Standard	4,1875"	10,7		---	---	---	---	---	1,000"	3,627"	
093070	Standard	3,9375"	11,9		093079	Short Shaft (2)	3,9375"	12,1		1,000"	3,373"	
093071	Standard	3,4375"	14,0		093080	Short Shaft	3,4375"	15,5		0,875"	2,943"	
093072	Standard	3,1875"	14,8		093081	Short Shaft	3,1875"	16,6		0,750"	2,768"	
093073	Standard	3,0000"	15,4		093082	Short Shaft	3,0000"	17,6		0,750"	2,577"	
093074	Standard	2,9375"	15,7		093083	Short Shaft	2,9375"	18	407	0,750"	2,514"	
093075	Standard	2,8750"	15,9		093084	Short Shaft	2,8750"	18,2		0,750"	2,450"	
093076	Standard	2,6875"	16,2		093085	Short Shaft	2,6875"	19		0,625"	2,338"	
093077	Standard	2,5000"	16,9		093086	Short Shaft	2,5000"	19,8		0,625:	2,148"	
093078	Standard	2,4375"	17,0	500	093087	Short Shaft	2,4375"	20		0,625"	2,084"	523
093088	Standard	110 MM	9,7		---	---	---	---	---	28 mm	100 mm	
093089	Standard	100 MM	11,7		093097	Short Shaft	100 MM	12,3		28 mm	90 mm	
093090	Standard	95 MM	12,6		093098	Short Shaft	95 MM	13,5		25 mm	86 mm	
093091	Standard	90 MM	13,5		093099	Short Shaft	90 MM	14,7		25 mm	81 mm	
093092	Standard	85 MM	14,1		093100	Short Shaft	85 MM	15,7	407	22 mm	76 mm	
093093	Standard	80 MM	14,8		093101	Short Shaft	80 MM	16,8		22 mm	71 mm	
093094	Standard	75 MM	15,4		093102	Short Shaft	75 MM	17,7		20 mm	71 mm	
093095	Standard	70 MM	16,0		093103	Short Shaft	70 MM	18,6		20 mm	62,5 mm	
093096	Standard	65 MM	16,6		093104	Short Shaft	65 MM	19,4		18 mm	58 mm	

(1) - Standard Shaft Bushing Kit includes two standard bushings with two back-up plates and snap rings; hardware and key
(2) - Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key
This is an optional bushing for after market short shaft mounting
(3) - Standard key provided for Short Shaft Kit. Key will overhang customer shaft within bore.
(4) - L dimension is the minium required shaft length. Tolerance on customer shaft is nominal 0,0100“ undersize on inch shaft, and nominal to 0,25 mm undersize on metric shaft.
Note - the B5 Flange can not be used in combination with the tapered hollow bore output due to the flange interfering with the twin tapered bushings.
(---) - Bore Size not available.

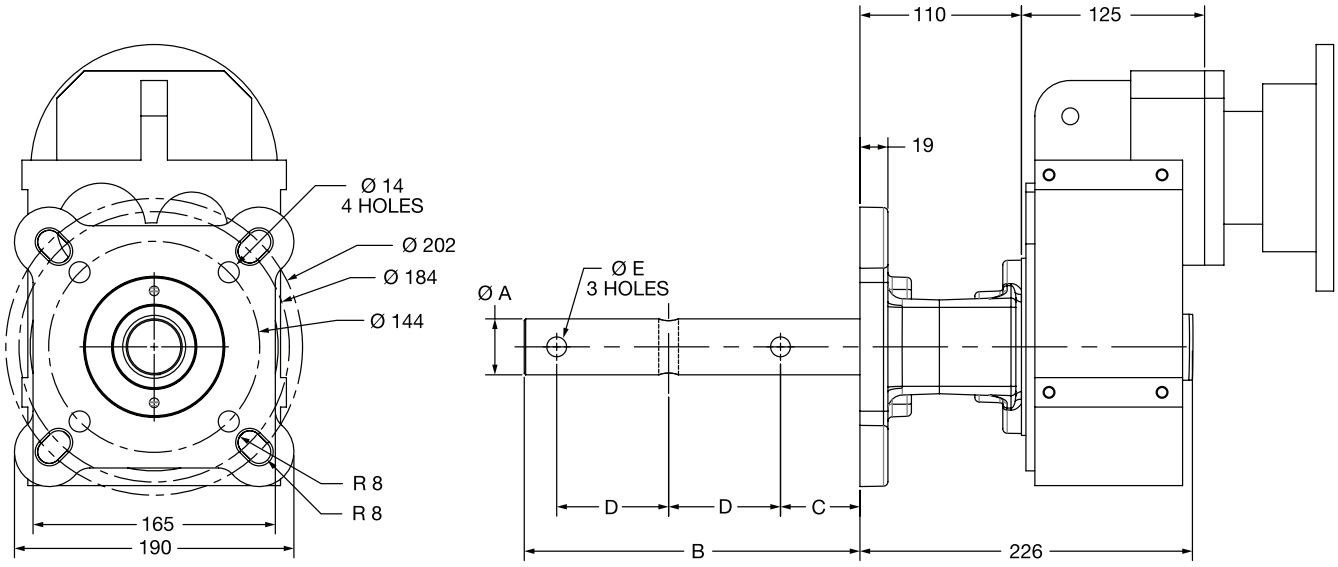
Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW38

MSM 38 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.



CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
38 mm Standard	153 - 229	091583	38	229	54	76	13,5	3,6
51 mm Standard	229 - 305	095303	51	229	54	76	16,8	5,0
62 mm Standard	305 - 356	095304	62	246	70	76	16,8	7,2

	Part no.	Weight (kg)
Standard Adapter Assembly	090176	6,1
Severe Duty Package	091699	0,5

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (1,250").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The MSM 38 is designed to handle 590 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 233 for dimensions of gearcase and input options.

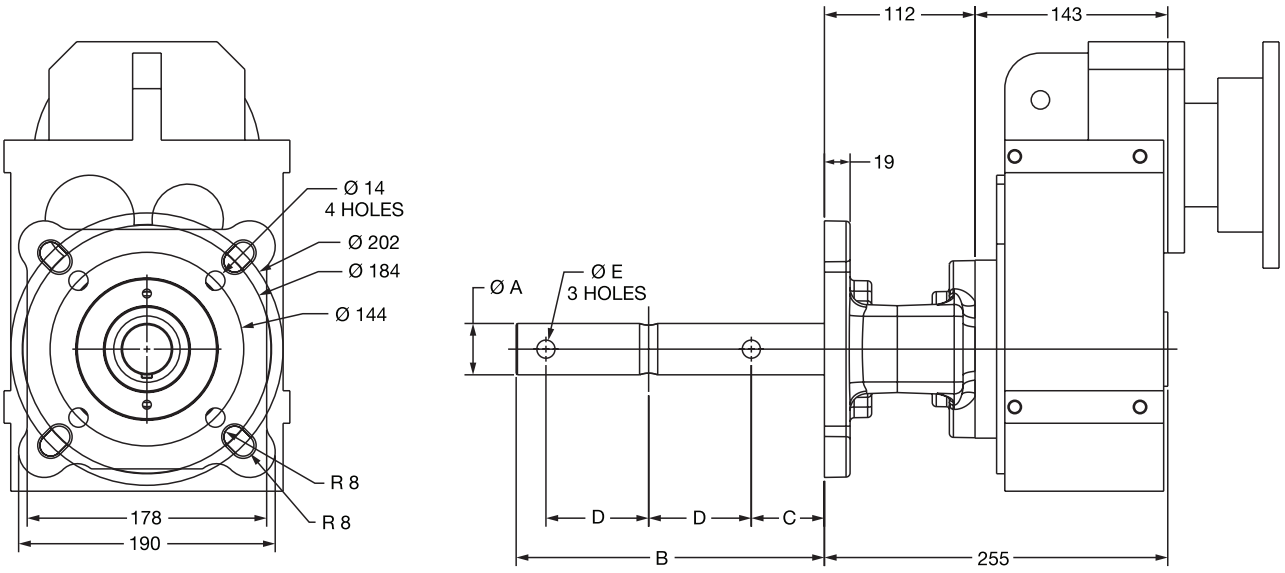
Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW48

MSM 48 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.



CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
38 mm Standard	153 - 229	091585	38	229	54	76	13,5	4,3
51 mm Standard	229 - 305	091587	51	229	54	76	16,8	5,8
62 mm Standard	305 - 356	095305	62	246	70	76	16,8	7,8

	Part no.	Weight (kg)
Standard Adapter Assembly	090177	7,8
Severe Duty Package	091701	0,7

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (1,375").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The MSM 48 is designed to handle 1542 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 235 for dimensions of gearcase and input options.

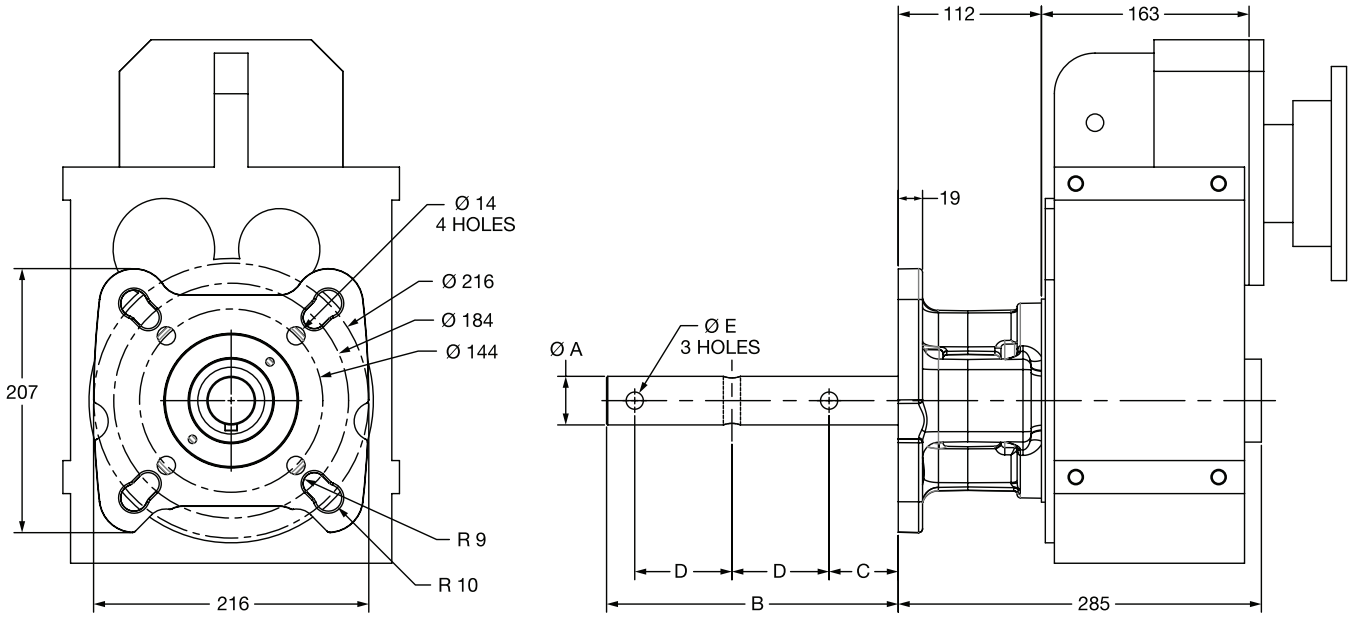
Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW68

MSM 68 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.



CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
38mm Standard	153 - 229	091589	38	229	54	76	13,5	4,8
51mm Standard	229 - 305	091591	51	229	54	76	16,8	6,3
62mm Standard	305 - 356	091593	62	246	70	76	16,8	8,4
76mm Standard	305 - 508	095306	76	251	73	76	19,8	11,1

	Part no.	Weight (kg)
Standard Adapter Assembly	090178	8,7
Severe Duty Package	091703	0,7

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (1,5").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The MSM 68 is designed to handle 2087 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 237 for dimensions of gearcase and input options.

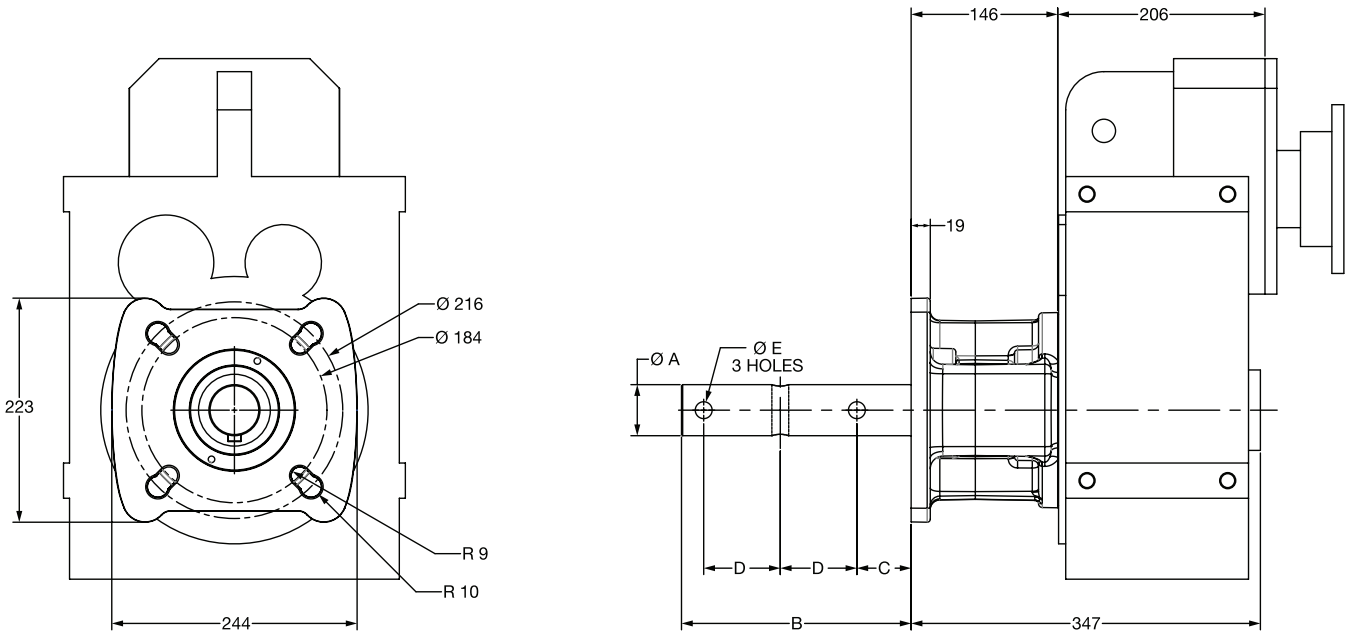
Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW88

MSM 88 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.



CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
51 mm Standard	229 - 305	091597	51	229	54	76	16,8	10,1
62 mm Standard	305 - 356	091599	62	246	70	76	16,8	12,3
76 mm Standard	305 - 508	091601	76	251	73	76	19,8	15,3

	Part no.	Weight (kg)
Standard Adapter Assembly	090179	15,9
Severe Duty Package	091705	1,0

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (2,00").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The MSM 88 is designed to handle 2722 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 239 for dimensions of gearcase and input options.

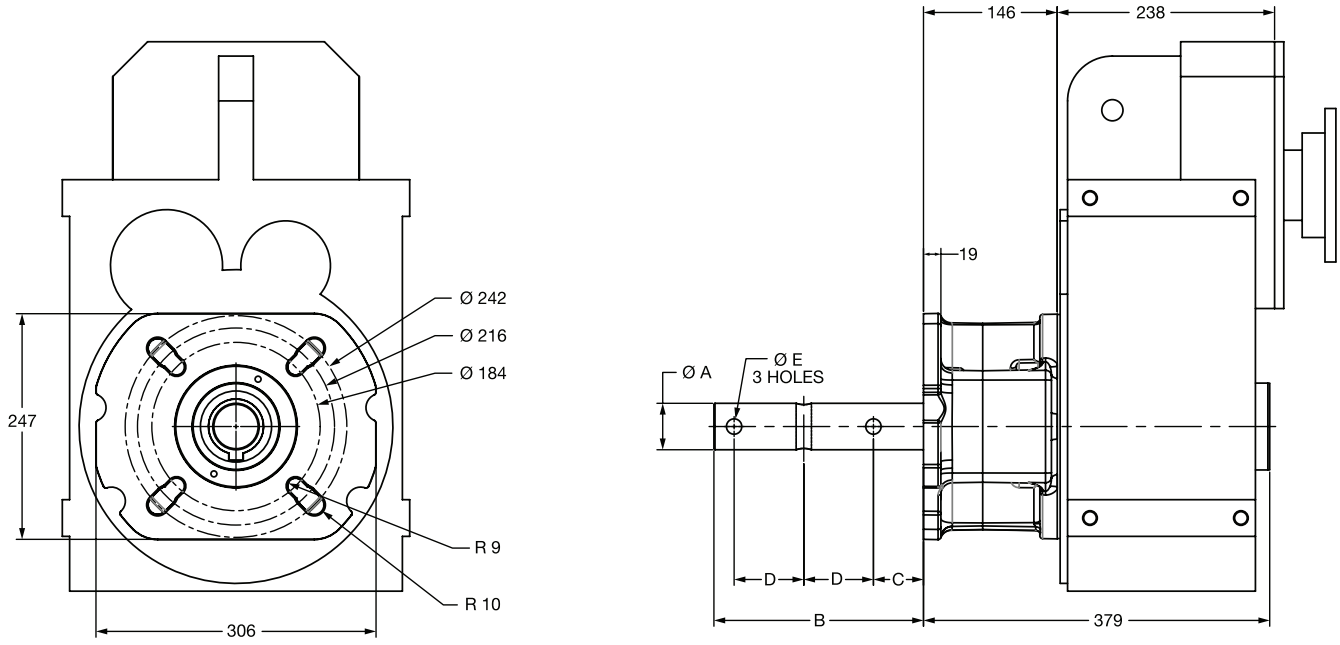
Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW108

MSM 108 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.



CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
51mm Standard	229 - 305	091603	51	229	54	76	16,8	12,3
62mm Standard	305 - 356	091605	62	246	70	76	16,8	14,6
76mm Standard	305 - 508	091607	76	251	73	76	19,8	17,6
87mm Standard	457 - 508	095308	87	334	98	102	23,1	23,6

	Part no.	Weight (kg)
Standard Adapter Assembly	095312	24,0
Severe Duty Package	091707	1,0

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (2,375").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The MSM 108 is designed to handle 3175 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 241 for dimensions of gearcase and input options.

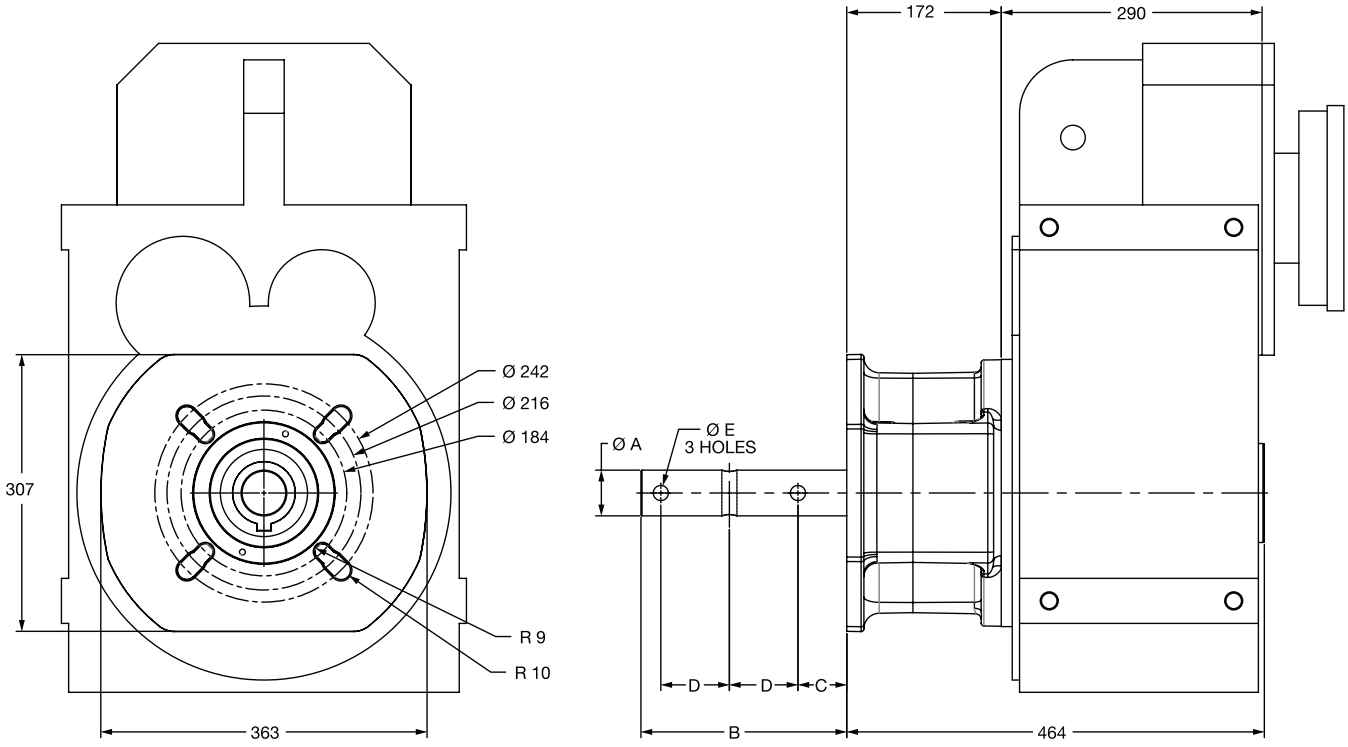
Quantis® reducers

Selection/dimensions

Motorized Shaft Mount (MSM) MW128

MSM 128 screw conveyor drive

Complete drive consists of reducer, CEMA drive shaft and adapter assembly. Drive is shipped unassembled.



CEMA drive shafts								
Drive shaft	Screw dia. (mm)	Part no.	Ø A	B	C	D	Ø E	Weight (kg)
51 mm Standard	229 - 305	091609	51	229	54	76	16,8	19,7
62 mm Standard	305 - 356	091611	62	246	70	76	16,8	21,9
76 mm Standard	305 - 508	091613	76	251	73	76	19,8	24,9
87 mm Standard	457 - 508	091615	87	334	98	102	23,1	31,5

	Part no.	Weight (kg)
Standard Adapter Assembly	096250	38,6
Severe Duty Package	091709	1,5

Notes:
Screw conveyor option is for use with the standard inch straight bore hollow shaft (2,750").
Severe Duty option includes packing retainer, stud and nut and a braided felt seal.
The MSM 128 is designed to handle 4082 kg thrust at the output bearings.
Contact product marketing for availability of stainless steel shafts.
Reference page 243 for dimensions of gearcase and input options.

Quantis® reducers
Thermal ratings

MSM38

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
9,80	**148,0**	**5,48**	14,5	14,5	14,5	14,3	14,6
11,39	**127,3**	**5,08**	13,9	13,9	13,9	13,8	14,0
12,64	**114,7**	**4,72**	13,2	13,1	13,2	13,1	13,2
13,76	**105,4**	**4,33**	13,3	13,3	13,4	13,3	13,4
15,39	**94,2**	**3,88**	12,6	12,6	12,6	12,5	12,6
16,83	**86,2**	**3,55**	12,0	12,0	12,0	11,9	12,0
18,47	**78,5**	**3,23**	11,5	11,5	11,5	11,4	11,5
20,37	**71,2**	**2,93**	11,0	11,0	11,0	11,0	11,0
22,58	**64,2**	**2,64**	10,4	10,4	10,4	10,4	10,4
25,58	**56,7**	**2,33**	10,1	10,1	10,1	10,1	10,1
28,22	**51,4**	**2,11**	9,3	9,3	9,3	9,3	9,3
31,91	**45,4**	**1,87**	8,5	8,5	8,5	8,5	8,5
36,43	**39,8**	**1,64**	8,4	8,4	8,4	8,4	8,4
38,19	**38,0**	**1,42**	7,6	7,6	7,6	7,6	7,6
43,43	**33,4**	**1,25**	7,0	7,0	7,0	7,0	7,0
49,56	**29,3**	**1,10**	7,0	7,0	7,0	7,0	7,0
55,84	**26,0**	**0,97**	6,5	6,5	6,5	6,5	6,5
62,40	**23,2**	**0,87**	6,0	6,0	6,1	6,0	6,0
71,18	**20,4**	**0,76**	5,6	5,6	5,6	5,6	5,6
80,17	**18,1**	**0,59**	5,1	5,1	5,1	5,1	5,1

MSM Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: MSM 38, 15,39:1, 1450 RPM input speed, 71D motor frame at 48 degree C ambient, A5 mounting position:

According to the table above, this unit is capable of 12,6 kW Thermally at 20 degree C. To convert this to the capability at 48 degrees C, multiply the rating by the factor in the Thermal Factors table (0.43). Actual Thermal Rating is 12,6 *0,43 = 5,418 kW. The mechanical rating for the MSM 38, 15,39 kW, 71D frame is 1,25 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

MSM48

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
7,95	**182,4**	**5,66**	22,4	22,2	22,4	22,2	22,5
9,55	**151,8**	**5,20**	21,0	20,8	21,0	20,8	21,0
11,24	**129,0**	**4,80**	19,8	19,8	19,9	19,8	19,9
12,59	**115,2**	**4,53**	19,3	19,3	19,3	19,3	19,3
14,11	**102,8**	**4,27**	18,5	18,5	18,5	18,5	18,5
15,41	**94,1**	**4,07**	17,7	17,7	17,7	17,7	17,7
16,63	**87,2**	**4,77**	16,4	16,3	16,3	16,3	16,3
19,34	**75,0**	**4,40**	15,6	15,5	15,5	15,5	15,5
21,46	**67,6**	**4,05**	14,7	14,7	14,7	14,6	14,6
23,37	**62,0**	**3,71**	14,7	14,7	14,7	14,7	14,7
26,14	**55,5**	**3,32**	13,9	13,9	13,9	13,9	13,9
28,58	**50,7**	**3,04**	13,2	13,2	13,2	13,2	13,2
31,36	**46,2**	**2,77**	12,7	12,7	12,7	12,7	12,7
34,58	**41,9**	**2,51**	12,2	12,2	12,2	12,2	12,2
38,33	**37,8**	**2,27**	11,5	11,5	11,5	11,5	11,5
43,43	**33,4**	**2,00**	11,2	11,2	11,2	11,2	11,2
47,92	**30,3**	**1,81**	10,4	10,4	10,4	10,4	10,4
54,17	**26,8**	**1,60**	9,6	9,6	9,6	9,6	9,6
61,86	**23,4**	**1,40**	9,4	9,4	9,4	9,4	9,4
70,33	**20,6**	**1,24**	8,6	8,6	8,6	8,6	8,6
75,27	**19,3**	**1,15**	8,4	8,4	8,4	8,4	8,4
86,77	**16,7**	**1,00**	7,6	7,6	7,6	7,6	7,6

MSM Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: MSM 48, 11,24:1, 1450 RPM input speed, 80D motor frame at 48 degree C ambient, A1 mounting position:

According to the table above, this unit is capable of 19,8 kW Thermally at 20 degree C. To convert this to the capability at 47 degrees C, multiply the rating by the factor in the Thermal Factors table (0,65). Actual Thermal Rating is 19,8 *0,65 = 12,87. The mechanical rating for the MSM 48, 11,24 kW, 80D frame is 1,52 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

MSM68

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
6,65	**218,0**	**19,80**	35,0	34,1	34,3	34,3	36,0
8,02	**180,8**	**18,67**	34,7	34,1	34,1	34,3	35,2
9,63	**150,6**	**17,46**	35,9	35,6	35,6	35,7	36,4
11,29	**128,4**	**15,83**	34,3	34,1	34,1	34,1	34,6
13,45	**107,8**	**13,44**	32,1	31,9	31,9	32,0	32,3
14,59	**99,4**	**12,39**	31,6	31,5	31,4	31,5	31,8
16,28	**89,1**	**11,10**	30,3	30,2	30,2	30,3	30,5
17,64	**82,2**	**10,25**	29,2	29,2	29,1	29,2	29,3
19,99	**72,5**	**9,04**	27,7	27,6	27,6	27,6	27,7
21,54	**67,3**	**8,39**	26,7	26,2	26,2	26,2	26,3
23,29	**62,3**	**7,76**	25,0	25,0	25,0	25,0	25,1
26,75	**54,2**	**5,74**	22,9	22,9	22,9	22,9	22,9
29,37	**49,4**	**5,23**	22,2	22,1	22,2	22,2	22,1
32,34	**44,8**	**4,75**	21,0	21,0	21,0	21,0	21,0
35,10	**41,3**	**4,38**	20,2	20,2	20,2	20,2	20,2
38,25	**37,9**	**4,02**	19,3	19,3	19,3	19,3	19,3
41,89	**34,6**	**3,67**	18,3	18,3	18,3	18,3	18,3
46,14	**31,4**	**3,33**	17,4	17,4	17,4	17,4	17,4
53,07	**27,3**	**2,90**	16,3	16,5	16,3	16,3	16,5
57,49	**25,2**	**2,67**	15,3	15,3	15,3	15,3	15,3
63,54	**22,8**	**2,42**	14,4	14,4	14,4	14,4	14,4
74,13	**19,6**	**2,07**	13,5	13,5	13,5	13,5	13,5
82,52	**17,6**	**1,86**	12,6	12,6	12,6	12,6	12,6

MSM Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: MSM 68, 74,13:1, 1450 RPM input speed, 90D motor frame at -6 degree C ambient, A2 mounting position:

According to the table above, this unit is capable of 13,5 kW Thermally at 20 degree C. To convert this to the capability at -6 degrees C, multiply the rating by the factor in the Thermal Factors table (1,59). Actual Thermal Rating is 13,5 *1.59 = 21,465 kW. The mechanical rating for the MSM 68, 74,13 kW, 90D frame is 1,74 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

MSM88

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
8,85	**163,8**	**33,44**	66,3	63,0	65,5	64,4	67,4
10,79	**134,4**	**31,83**	64,9	63,3	65,0	64,1	66,0
12,64	**114,7**	**27,17**	62,1	61,0	62,1	61,5	62,8
14,86	**97,6**	**23,11**	62,4	61,9	62,6	62,1	63,0
17,05	**85,0**	**20,15**	58,9	58,5	59,0	58,6	59,3
20,12	**72,1**	**17,06**	54,3	54,1	54,4	54,1	54,6
21,81	**66,5**	**15,75**	53,1	53,0	53,2	53,0	53,3
24,25	**59,8**	**14,16**	50,3	50,2	50,4	50,2	50,5
26,34	**55,0**	**13,04**	47,7	47,6	47,7	47,6	47,8
29,14	**49,8**	**11,79**	45,5	45,5	45,7	45,5	45,7
30,67	**47,3**	**10,02**	41,5	41,3	41,6	41,3	41,3
34,23	**42,4**	**8,97**	39,8	39,7	39,9	39,7	39,7
37,08	**39,1**	**8,29**	38,3	38,2	38,3	38,2	38,2
42,03	**34,5**	**7,31**	36,2	36,1	36,2	36,2	36,1
45,27	**32,0**	**6,79**	34,4	34,4	34,4	34,4	34,4
48,95	**29,6**	**6,27**	33,0	32,9	33,0	33,0	32,9
53,16	**27,3**	**5,78**	31,4	31,4	31,4	31,4	31,4
58,78	**24,7**	**5,23**	29,5	29,5	29,5	29,5	29,5
63,67	**22,8**	**4,82**	28,2	28,2	28,2	28,2	28,2
71,75	**20,2**	**4,28**	26,6	26,6	26,6	26,6	26,6
78,56	**18,5**	**3,91**	24,8	24,7	24,7	24,7	24,7
87,50	**16,6**	**3,51**	22,9	22,9	22,9	22,9	22,9
100,06	**14,5**	**2,37**	21,8	21,8	21,8	21,8	21,8
110,96	**13,1**	**2,16**	20,2	20,2	20,2	20,2	20,2
123,05	**11,8**	**1,97**	18,8	18,7	18,7	18,8	18,8

MSM Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: MSM 88, 10,79:1, 1450 RPM input speed, 100D motor frame at 15 degree C ambient, A3 mounting position:

According to the table above, this unit is capable of 65,0 kW Thermally at 20 degree C. To convert this to the capability at 15 degrees C, multiply the rating by the factor in the Thermal Factors table (1,11). Actual Thermal Rating is 65,0*1,11 = 72,15 kW. The mechanical rating for the MSM 88, 10,79 kW, 100D frame is 6,40 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

MSM108

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
9,52	**152,3**	**54,54**	82,3	74,1	79,4	77,8	83,9
11,08	**130,9**	**48,55**	82,4	77,1	81,1	79,8	84,2
12,28	**118,1**	**44,77**	82,6	78,8	81,8	80,7	84,1
14,59	**99,4**	**38,97**	79,7	77,8	79,9	78,9	81,2
16,83	**86,2**	**34,63**	75,9	74,5	76,1	75,3	76,9
19,78	**73,3**	**30,25**	74,9	74,2	75,2	74,7	75,8
21,18	**68,5**	**21,51**	61,9	60,8	61,6	61,4	61,3
24,89	**58,3**	**19,59**	61,1	60,5	61,0	60,9	60,8
28,56	**50,8**	**18,05**	57,5	57,1	57,4	57,4	57,2
33,71	**43,0**	**16,32**	53,0	52,9	53,0	53,0	53,0
36,54	**39,7**	**15,53**	51,9	51,6	51,8	51,8	51,6
40,62	**35,7**	**14,53**	49,1	49,1	49,1	49,1	49,1
44,12	**32,9**	**13,80**	46,9	46,6	46,9	46,7	46,7
48,81	**29,7**	**12,59**	44,8	44,7	45,7	45,7	44,7
52,40	**27,7**	**11,73**	42,7	42,5	42,7	42,7	42,6
56,47	**25,7**	**10,89**	40,7	40,7	40,7	40,7	40,7
61,12	**23,7**	**10,05**	38,8	38,8	38,8	38,8	38,8
66,48	**21,8**	**9,25**	37,4	36,8	36,8	37,4	36,8
72,74	**19,9**	**8,45**	34,7	34,6	34,7	34,7	34,6

MSM Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: MSM 108, 24,89:1, 1450 RPM input speed, 132D motor frame at 26 degree C ambient, A1 mounting position:

According to the table above, this unit is capable of 61,1 kW Thermally at 20 degree C. To convert this to the capability at 26 degrees C, multiply the rating by the factor in the Thermal Factors table (0,87). Actual Thermal Rating is 61,1*0,87 = 53,157 kW. The mechanical rating for the MSM 108, 24,89 kW, 132D frame is 16,45 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

MSM128

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
6,86	**211,4**	**97,98**	103,5	**85,0**	101,8	**87,8**	112,0
9,12	**159,0**	**85,31**	120,7	104,9	118,6	111,7	125,6
10,56	**137,3**	**79,05**	128,9	120,3	130,2	124,4	134,1
12,47	**116,3**	**72,18**	125,0	119,2	126,0	122,5	128,8
13,92	**104,2**	**66,02**	123,1	119,0	123,9	121,4	125,9
16,27	**89,1**	**58,06**	118,2	116,0	119,2	117,4	120,5
18,65	**77,7**	**51,76**	111,9	110,5	112,7	111,6	113,6
21,57	**67,2**	**45,75**	104,3	103,3	104,8	104,1	105,4
22,39	**64,8**	**44,32**	107,8	106,9	108,3	107,5	108,7
23,96	**60,5**	**38,24**	91,0	89,2	90,8	90,4	89,6
24,77	**58,5**	**40,62**	102,0	101,4	102,5	101,9	102,7
27,66	**52,4**	**34,45**	89,1	87,9	89,1	88,7	88,0
32,50	**44,6**	**30,66**	86,8	86,1	86,7	86,5	85,9
36,83	**39,4**	**27,98**	81,5	81,1	81,6	81,4	81,0
43,21	**33,6**	**23,84**	74,9	74,7	75,1	74,9	74,8
47,14	**30,8**	**21,86**	72,4	72,2	72,4	72,4	72,2
51,43	**28,2**	**20,03**	69,4	69,1	69,4	69,2	69,1
55,50	**26,1**	**18,56**	66,3	66,0	66,2	66,3	66,0
62,03	**23,4**	**16,61**	62,4	62,2	62,3	62,3	62,2
66,44	**21,8**	**15,50**	59,4	59,4	59,4	59,4	59,4
71,45	**20,3**	**14,42**	56,6	56,4	56,6	56,6	56,4
77,17	**18,8**	**13,35**	53,8	54,7	53,8	53,8	54,7

MSM Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: MSM 128, 77,17:1, 1450 RPM input speed, 132D motor frame at 4 degree C ambient, A5 mounting position:

According to the table above, this unit is capable of 54,7 kW Thermally at 20 degree C. To convert this to the capability at 4 degrees C, multiply the rating by the factor in the Thermal Factors table (1,27). Actual Thermal Rating is 54,7 *1,27 = 69,469 kW. The mechanical rating for the MSM 128, 77,17 kW, 132D frame is 11,22 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

MSM148

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
7,54	**192,3**	**116,78**	139,5	117,6	147,7	120,9	159,1
9,86	**147,1**	**99,75**	160,9	142,9	164,1	150,8	171,8
11,61	**124,9**	**87,49**	167,8	157,6	171,5	162,5	175,9
13,32	**108,9**	**78,40**	164,0	157,2	167,3	160,7	170,0
14,68	**98,8**	**73,58**	162,0	157,0	164,4	160,2	167,5
17,35	**83,6**	**67,05**	152,7	150,6	154,6	151,8	156,7
19,78	**73,3**	**59,92**	144,2	141,9	145,1	143,1	146,2
22,74	**63,8**	**53,13**	133,8	133,1	134,4	133,2	135,0
26,00	**55,8**	**47,28**	129,5	129,0	130,2	129,4	130,5
26,51	**54,7**	**54,55**	122,4	120,0	122,4	121,7	119,9
30,39	**47,7**	**47,58**	115,5	114,1	115,5	115,3	113,9
35,14	**41,3**	**41,15**	108,1	106,9	108,1	107,7	106,9
36,47	**39,8**	**39,65**	110,5	109,7	110,5	110,4	109,7
40,36	**35,9**	**35,83**	105,0	104,3	105,0	104,9	104,2
47,23	**30,7**	**30,62**	96,4	95,8	96,4	96,1	95,8
51,15	**28,3**	**28,27**	93,0	92,7	93,0	93,0	92,6
57,09	**25,4**	**25,33**	87,3	87,0	87,3	87,3	87,0
60,53	**24,0**	**23,89**	84,3	84,1	84,2	84,2	84,1
68,61	**21,1**	**20,90**	78,1	79,3	78,0	78,0	79,3
73,42	**19,7**	**19,70**	74,3	74,2	74,3	74,3	74,2
77,21	**18,8**	**14,13**	72,1	72,0	72,1	72,1	72,0
83,32	**17,4**	**13,22**	68,5	68,3	68,4	68,4	68,4

MSM Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: MSM 148, 17,35:1, 1450 RPM input speed, 225D motor frame at 26 degree F ambient, A1 mounting position:

According to the table above, this unit is capable of 152,7 kW Thermally at 20 degree C. To convert this to the capability at 26 degrees C, multiply the rating by the factor in the Thermal Factors table (0,87). Actual Thermal Rating is 152,7 *0,87 = 132,85 kW. The mechanical rating for the MSM 148, 17,35, 225D frame is 55,11 kW. This unit is not thermally limited.

Quantis® reducers
Thermal ratings

MSM168

The Thermal HP ratings shown in the table below are based on an ambient temperature of 20°C, continuous operation and fan cooled motors. For ratings at other ambient temperatures, please consult Thermal Factors table. Triple reduction units are not thermally limited. Values in bold indicate thermal limitations under the above conditions.

	1450 RPM						
	Output speed	Rated power	Mounting position				
			A1	A2	A3	A4	A5, A6
Ratio	RPM	kW	kW	kW	kW	kW	kW
7,71	**188,1**	**116,78**	159,1	140,7	177,8	142,2	187,0
9,71	**149,3**	**106,70**	195,4	166,1	213,4	175,0	224,0
12,47	**116,3**	**92,67**	216,9	198,0	225,1	207,0	232,3
14,51	**99,9**	**83,96**	222,7	212,3	229,8	217,4	234,0
16,53	**87,7**	**77,47**	217,6	210,4	222,9	214,5	226,0
18,13	**80,0**	**72,75**	214,2	208,9	218,4	212,2	220,8
21,85	**66,4**	**63,68**	199,9	197,3	202,5	199,0	204,1
24,28	**59,7**	**58,88**	189,5	187,6	191,5	189,0	192,6
27,50	**52,7**	**53,49**	177,0	175,6	178,3	176,6	179,0
31,83	**45,6**	**47,64**	160,2	159,6	160,6	160,0	160,9
32,07	**45,2**	**65,61**	161,5	158,7	161,9	160,9	160,0
36,55	**39,7**	**59,73**	164,4	150,4	152,5	152,1	151,2
42,03	**34,5**	**53,33**	142,2	140,6	142,2	141,6	141,3
48,04	**30,2**	**46,65**	137,2	136,4	137,3	141,0	136,7
55,68	**26,0**	**40,26**	126,1	125,5	126,1	126,1	125,6
60,66	**23,9**	**36,95**	120,9	120,6	121,2	120,9	120,8
67,58	**21,5**	**33,17**	113,3	113,0	113,5	113,2	113,1
71,58	**20,3**	**31,31**	109,3	108,9	109,3	109,3	109,0
80,50	**18,0**	**21,17**	101,6	101,3	101,6	101,6	101,4
86,06	**16,8**	**19,99**	96,6	96,6	96,6	96,6	96,6

MSM Thermal factors

Ambient temp (Deg, C)	Thermal factor
-17	1,83
-6	1,59
4	1,27
15	1,11
20	1,00
26	0,87
37	0,65
48	0,43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: MSM 168, 48,04:1, 1450 RPM input speed, 160D motor frame at 48 degree C ambient, A2 mounting position:

According to the table above, this unit is capable of 136,4 kW Thermally at 20 degree C. To convert this to the capability at 48 degrees C, multiply the rating by the factor in the Thermal Factors table (0,43). Actual Thermal Rating is 136,4*0,43 = 58,652 kW. The mechanical rating for the MSM 168, 48,04, 160D frame is 27,00 kW. This unit is not thermally limited.

Quantis® reducers
Assembly/disassembly

Bolts to be used on mounting feet

In addition to the bolts below, it is recommended that a lockwasher or other anti-loosening device be used.

Quantis ILH

Unit size	SAE grade 5 Inch	Grade 8.8 metric
38	5/16-18 UNC	M8 x 1,25
48	1/2-13 UNC	M12 x 1,75
68	5/8-11 UNC	M16 x 2
88	5/8-11 UNC	M16 x 2
108	3/4-10 UNC	M20 x 2,5
128	7/8-9 UNC	M24 x 3
148	1-1/4-7 UNC	M30 x 3,5
168	1-1/2-6 UNC	M36 x 4

Quantis RHB

Unit size	SAE grade 5 Inch	Grade 8.8 metric
38	3/8-16 UNC	M10 x 1,5
48	3/8-16 UNC	M10 x 1,5
68	1/2-13 UNC	M12 x 1,75
88	5/8-11 UNC	M16 x 2
108	7/8-9 UNC	M20 x 2,5
128	7/8-9 UNC	M24 x 3
148	1-1/4-7 UNC	M30 x 3,5
168	1-1/2-6 UNC	M36 x 4

Bolts and tightening torque for B5 output flanges (Output flange to gearcase)

Product type	Unit size	Bolt - 8.8 property class	Tightening torque (Nm)	Tightening torque (ft-lb)
ILH	38	M8	25	18
ILH	48	M10	50	37
ILH	68	M12	90	66
ILH	88	M16	210	155
ILH	108	M16	210	155
ILH	128	M16	210	155
ILH	148	M16	210	155
ILH	168	M16	210	155
MSM/RHB	38	M8	25	18
MSM/RHB	48	M10	50	37
MSM/RHB	68	M12	90	66
MSM/RHB	88	M12	90	66
MSM/RHB	108	M16	210	155
MSM/RHB	128	M16	210	155
MSM/RHB	148	M20	500	369
MSM/RHB	168	M20	500	369

Note: Metric course thread is standard for Quantis.

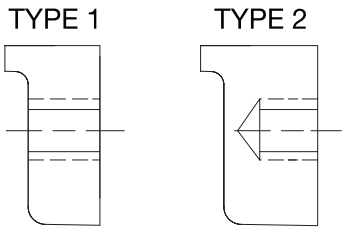
Bushing screws and tightening torque for twin tapered bushings

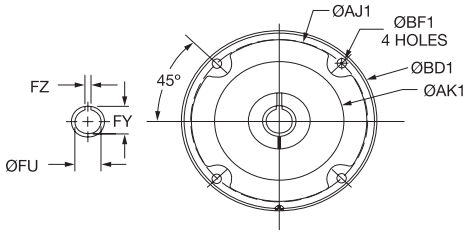
Bushing screw information and minimum clearance for removal			
Unit size	Fastener size	Tightening torque	A (in)
38	M8 x 1.25	27 - 23	30
48	M8 x 1.25	27 - 23	30
68	M10 x 1.5	27 - 23	36
88	M10 x 1.5	27 - 23	36
108	M10 x 1.5	35 - 31	36
128	M12 x 1.75	105 - 90	48
148	M12 x 1.75	105 - 90	48
168	M12 x 1.75	105 - 90	53

Refer to instructions for Twin Tapered Bushing installation on page 275.

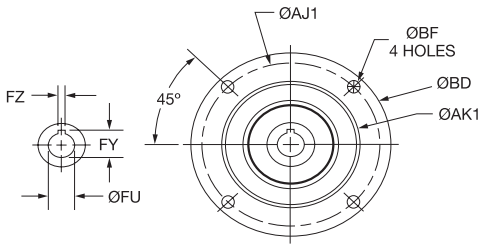
Quantis® reducers

IEC D-flange input flange details

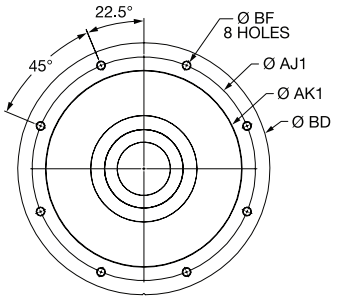




Clamp Collar



Three-Piece Coupled
80D - 200D



Three-Piece Coupled
225D - 250D

IEC clamp collar (requires B5 flange on mating motor)

Inch

Motor frame	ØAK1	tol	ØAJ1	ØBD1	ØBF1	Usable tap depth	Type	ØFU	tol	FY	FZ
71D	110	H7	130	160	M8 x 17	17	2	14	+0,034 +0,016	16	5
80D	130	H7	165	200	M10	17	1	19	+0,041 +0,020	22	6
90D	130	H7	165	200	M10	17	1	24	+0,041 +0,020	27	8
100D	180	H7	215	250	M12	22	1	28	+0,041 +0,020	31	8
112D	180	H7	215	250	M12	20,5	1	28	+0,041 +0,020	31	8
132D	230	H7	265	300	M12	21	1	38	+0,050 +0,025	41	10
160D	250	H7	300	350	M16	27,5	1	42	+0,050 +0,025	45	12
180D	250	H7	300	350	M16 x 22	22	2	48	+0,050 +0,025	52	14
200D	300	H7	350	400	M16	27,5	1	55	+0,060 +0,030	59	16

IEC three-piece coupled (requires B5 flange on mating motor)

Inch

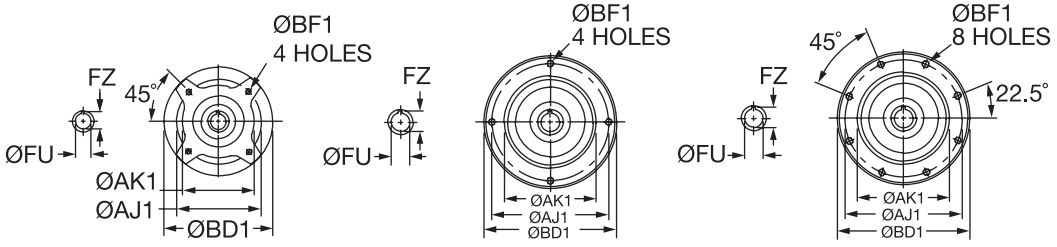
Motor frame	ØAK1	tol	ØAJ1	ØBD1	ØBF1	Usable tap depth	Type	ØFU	tol	FY	FZ
80D	130	H8	165	200	M10	17	1	19	+0,015 +0,002	22	6
90D	130	H8	165	200	M10	17	1	24	+0,015 +0,002	27	8
100D	180	H8	215	250	M12	19	1	28	+0,015 +0,002	31	8
112D	180	H8	215	250	M12	19	1	28	+0,015 +0,002	31	8
132D	230	H8	265	300	M12	19	1	38	+0,018 +0,002	41	10
160D	230	H8	300	350	M16	30	1	42	+0,018 +0,002	45	12
180D	250	H8	300	350	M16	25	1	55	+0,030 +0,011	52	14
200D	300	H8	350	400	M16	25	1	55	+0,030 +0,011	59	16
225D	350	H8	400	450	M16	27	1	60	+0,030 +0,011	64	18
250D	450	H8	500	550	M16	27	1	65	+0,030 +0,011	69	18

* Depth of usable thread

NOTE: Metric course thread is standard for QUANTIS

Quantis® reducers

Free input flange / shaft details



SEPARATE GROUPS 71-112

SEPARATE GROUPS 132-180

SEPARATE GROUPS 225-250

Free input **Inch/mm**

	ØBD1	ØAK1	tol	ØAJ 1	ØBF1 x Depth (G)	ØFU	tol	FZ
71	5,35	3,740	+0,0005 -0,0004	4,57	M8 x 0,55	0,625	+0,0000 -0,0005	0,71
	136	**95**	**+0,013 -0,009**	**116**	**M8 x 14**	**16**	**+0,012 +0,001**	**18**
80	5,51	3,740	+0,0005 -0,0004	4,57	M8 x 0,55	0,750	+0,0000 -0,0005	0,84
	140	**95**	**+0,013 -0,009**	**116**	**M8 x 14**	**19**	**+0,015 +0,002**	**21,5**
90	5,51	3,740	+0,0005 -0,0004	4,57	M8 x 0,55	0,875	+0,0000 -0,0005	0,96
	140	**95**	**+0,013 -0,009**	**116**	**M8 x 14**	**24**	**+0,015 +0,002**	**27**
100	6,85	4,724	+0,0005 -0,0004	5,71	M10 x 0,67	1,125	+0,0000 -0,0005	1,24
	174	**120**	**+0,013 -0,009**	**145**	**M10 x 17**	**28**	**+0,015 +0,002**	**31**
112	7,01	4,724	+0,0005 -0,0004	5,71	M10 x 0,67	1,250	+0,0000 -0,0005	1,37
	178	**120**	**+0,013 -0,009**	**145**	**M10 x 17**	**28**	**+0,015 +0,002**	**31**
132	8,43	6,299	+0,0006 -0,0004	7,24	M10 x 0,67	1,375	+0,0000 -0,0005	1,52
	214	**160**	**+0,014 -0,011**	**184**	**M16 x 22**	**38**	**+0,018 +0,002**	**41**
160	9,88	6,299	+0,0006 -0,0004	7,24	MI 6 x 0,87	1,625	+0,0000 -0,0010	1,80
	251	**160**	**+0,014 -0,011**	**184**	**M16 x 28**	**42**	**+0,018 +0,002**	**45**
180	11,65	7,677	+0,0006 -0,0005	9,06	M16 x 1,10	2,125	+0,0000 -0,0010	2,35
	296	**195**	**+0,016 -0,013**	**230**	**M16 x 28**	**55**	**+0,021 +0,002**	**59**
225	13,46	9,843	+0,0006 -0,0005	11,81	M16 x 0,87	2,125	+0,0000 -0,0010	2,35
	342	**250**	**+0,016 -0,013**	**300**	**M16 x 22**	**60**	**+0,030 +0,011**	**64**
250	15,59	9,843	+0,0006 -0,0005	11,81	M16 x 0,87	2,375	+0,0000 -0,0010	2,65
	396	**250**	**+0,016 -0,013**	**300**	**M16 x 22**	**65**	**+0,030 +0,011**	**69**

(G) See Footnote on inside back cover

NOTE: Metric course thread is standard for QUANTIS

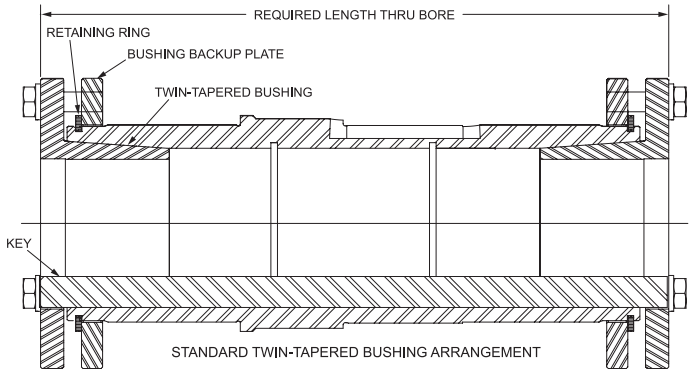
Quantis® reducers
Assembly/disassembly

Installation instructions for Baldor•Dodge Quantis MSM and RHB reducers with twin-tapered bushings

WARNING
To ensure that the drive is not unexpectedly started, turn off and lock out or tag power source before proceeding. Failure to observe these precautions could result in bodily injury.

The Dodge® Quantis reducer is designed to fit both standard and short length driven shafts. The Standard Taper Bushing series is designed where shaft length is not a concern. The Short Shaft Bushing series is to be used where the driven shaft does not extend through the reducer.

Figure 1



Standard taper bushings:

1. One bushing assembly is required to mount the reducer on the driven shaft. An assembly consists of two tapered bushings, bushing screws and washers, two bushing backup plates and retaining rings, and necessary shaft key or keys. The driven shaft must extend through the full length of the reducer. If the driven shaft does not extend through the reducer, do not use the standard tapered bushings; instead use the short shaft bushings as described in the Short Shaft Bushing section that follows. The minimum shaft length as measured from the end of the shaft to the outer edge of the bushing flange (See Figure 3) is given in Table 1.

2. Install one bushing backup plate on the end of the hub and secure with the supplied retaining ring. Repeat procedure for the other side.

3. Place one bushing, flange end first, onto the driven shaft and position per dimensions “A”, as shown in Table 2. This will allow the bolts to be threaded into the bushing for future bushing and reducer removal.

4. Insert the output key in the shaft and bushing. For ease of installation, rotate the driven shaft so that the shaft keyseat is at the top position.

5. Mount the reducer on the driven shaft and align the shaft key with the reducer hub keyway. Maintain the recommended minimum distance “A” from the shaft bearings.

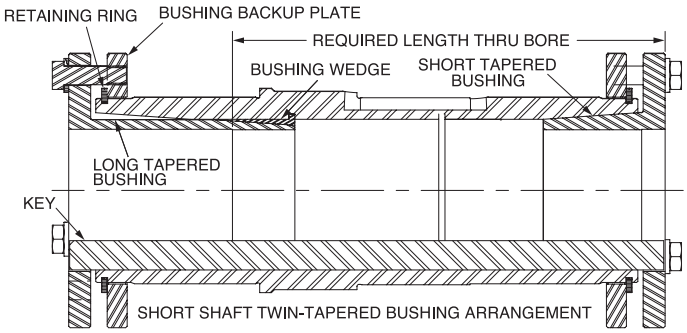
6. Insert the screws with the washers installed, in the unthreaded holes in the bushing flange and align with the threaded holes in the bushing backup plate. If necessary, rotate the bushing backup plate to align with the bushing screws. Tighten the screws lightly. If the reducer must be positioned closer than the dimensions “A”, place the screws with washers installed, in the unthreaded holes in the bushing before positioning reducer making sure to maintain at least 1/8” between the screw heads and the bearing.

CAUTION
Be sure screws do not contact seal face once torqued to the proper specification

7. Place the second tapered bushing in position on the shaft and align the bushing keyway with the shaft key. Align the unthreaded holes in the bushing with the threaded holes in the bushing backup plate. If necessary, rotate the bushing backup plate to align with the bushing holes. Insert the bushing screws with washers installed in the unthreaded holes in the bushing. Tighten screws lightly.

8. Alternately and evenly tighten the screws in the bushing nearest the equipment to the recommended torque given in the Bushing Screws and Tightening Torque for Twin Tapered Bushings chart on page 272. Repeat the procedure for the outer bushing.

Figure 2



Quantis® reducers
Assembly/disassembly

Installation instructions for Baldor•Dodge Quantis MSM and RHB reducers with twin-tapered bushings

Short shaft bushings

1. One bushing assembly is required to mount the reducer on the driven shaft. An assembly consists of one long tapered bushing, one short tapered bushing, one tapered bushing wedge, bushing screws and washers, two bushing backup plates, retaining rings, and necessary shaft key or keys. The driven shaft does not need to extend through the reducer for the short shaft bushing to operate properly. The minimum shaft length as measured from the end of the shaft to the outer edge of the bushing flange (See Figure 3) is given in Table 1.

2. Determine which side the long bushing will be installed from. The long bushing may be installed from either side of the reducer.

3. Install the tapered bushing wedge from the same side as the long bushing will be installed from. Install the tapered bushing wedge into the reducer hub so that the flange is installed first and the thin taper is pointing outwards. The bushing is properly installed when it snaps into place in the reducer hub.

4. Align the tapered bushing wedge keyway with the reducer hub keyway. The keyway in the wedge is slightly wider than the keyway in the reducer hub allowing for easier installation.

5. Install one bushing backup plate on the end of the hub and secure with the supplied retaining ring.
   Repeat procedure for other side.

6. If installing the long bushing on side A, install the short bushing; flange first, on the driven shaft and position per dimensions “A”, as shown in Table 2. This will allow the bolts to be threaded into the bushing for future bushing and reducer removal.

7. Insert the output key in the shaft and bushing. For ease of installation, rotate the driven shaft so that the shaft keyseat is at the top position.

8. Mount the reducer on the driven shaft and align the shaft key with the reducer hub keyway. Maintain the recommended minimum distance “A” from the shaft bearings.

9. Insert the screws, with washers installed, in the unthreaded holes in the bushing flange and align with the threaded holes in the bushing backup plate. If necessary, rotate the bushing backup plate to align with the bushing screws. Tighten the screws lightly. If the reducer must be positioned closer than dimension “A”, place the screws, with washers installed in the unthreaded holes in the bushing before positioning the reducer making sure to maintain at least 1/8” between the screw heads and the bearing.

10. Place the long bushing in position on the shaft and align the bushing keyway with the shaft key. Use care to locate the long bushing with the tapered bushing wedge installed earlier. Align the unthreaded holes in the bushing with the threaded holes in the bushing backup plate. If necessary, rotate the bushing backup plate to align with the bushing holes. Insert bushing screws, with washers installed in the unthreaded holes in the bushing. Tighten screws lightly.

11. Alternately and evenly tighten the screws in the bushing nearest the equipment to the recommended torque, given in Table 2. Repeat procedure for the outer bushing.

Bushing removal for standard taper or short shaft bushings

1. Remove bushing screws.

2. Place the screws in the threaded holes provided in the bushing flanges. Tighten the screws alternately and evenly until the bushing are free on the shaft. For ease of tightening screws, make sure screw threads and threaded holes in the bushing flanges are clean. If the reducer was positioned closer than the recommended minimum distance “A” as shown in Table 2, loosen the inboard bushing screws until they are clear of the bushing flange by 1/8”. Locate two (2) wedges at 180 degrees between the bushing flange and the bushing backup plate. Drive the wedges alternately and evenly until the bushing is free on the shaft.

3. Remove the outboard bushing, the reducer and then the inboard bushings.

Table 1:

Minimum Required Shaft Length (mm)		
Unit Size	Standard Taper Bushing	Short Shaft Bushing
38	171,450	131,763
48	200,025	144,463
68	238,125	184,150
88	266,700	192,088
108	296,863	225,425
128	377,825	288,925
148	425,450	334,963
168	500,063	406,400

Quantis® reducers
Assembly/disassembly

Installation instructions for Baldor•Dodge Quantis MSM and RHB reducers with straight hollow bore

Please follow the instructions outlined below when assembling and disassembling this unit. Failure to follow the instructions as outlined below may result in damage to the gear unit or to the machine's drive shaft. For ease of assembly, it is recommended that the machine's drive shaft be chamfered. **DO NOT HAMMER THE GEARBOX SHAFT ONTO THE MACHINE'S DRIVE SHAFT.** The machine's drive shaft should be produced in accordance with the dimensions shown on the accompanying Table 2.

Assembly:

All shaft mounted gearboxes are furnished with A) Retaining Ring B) Keeper plate C) Retaining Bolt D) Spring Washer and E) Dust Cap, as shown in the finished assembly, Figure 2. The gearbox is pulled onto the shaft by means of a threaded rod and nut assembly as shown in Figure 1 below. The threaded rod and drive spacer are not supplied. The threaded rod thread (M) is specified in Table 2. After the gearbox has been pulled completely onto the machine shaft firmly against the machine shaft backing shoulder, it must be locked in place with the retaining bolt as shown in Figure 2.

Figure 1

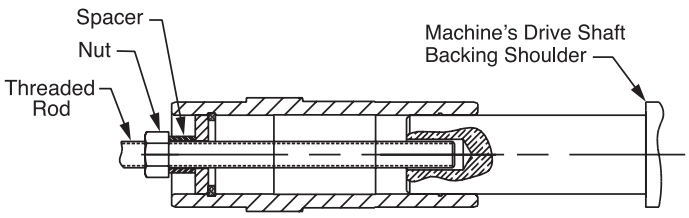
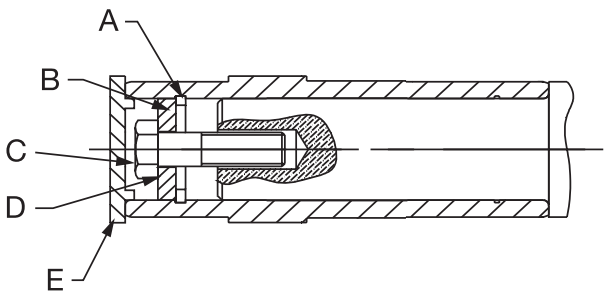


Figure 2



Recommended Tightening Torque for Retaining Bolt

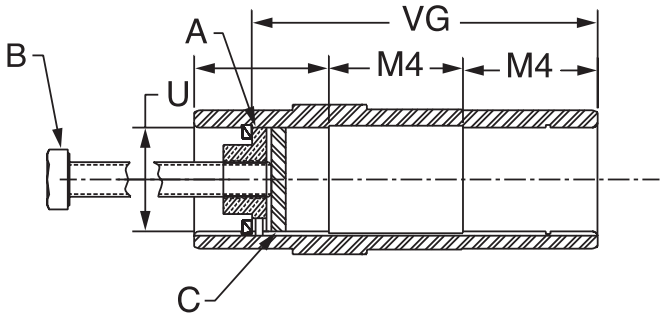
Table 2: Bolt Thread Size

M	Torque
3/8-16	142 in-lb
5/8-11	611 in-lb
3/4-10	1221 in-lb
1-8	2098 in-lb
M10	16 Nm
M12	28 Nm
M16	69 Nm
M20	138 Nm
M24	237 Nm

Disassembly:

Prior to disassembly, the dust cap, retaining bolt, spring washer, keeper plate and retaining ring must be removed. For ease of disassembly, it is recommended that the following tool be made and used as described: The round keyed nut (A) is inserted into the free space between the retaining ring in the gear unit's hollow shaft and the end of the machine's drive shaft. The removal bolt (B) is screwed into the nut (A) which presses a disk (C) against the machine's drive shaft. The resulting force pushes the gearbox off the machine's drive shaft. Reference Figure 3 for the disassembly arrangement. **Please note: The retaining bolt supplied with the gear unit cannot be used for this purpose and must be replaced with the bolt specified in Table 2. The round keyed nut and disk should be made from 1045 steel and removal bolt should be a minimum of SAE Grade 5.**

Figure 3



Quantis® reducers

Assembly/disassembly

Installation instructions for Baldor•Dodge Quantis MSM and RHB reducers with straight hollow bore – metric shafts

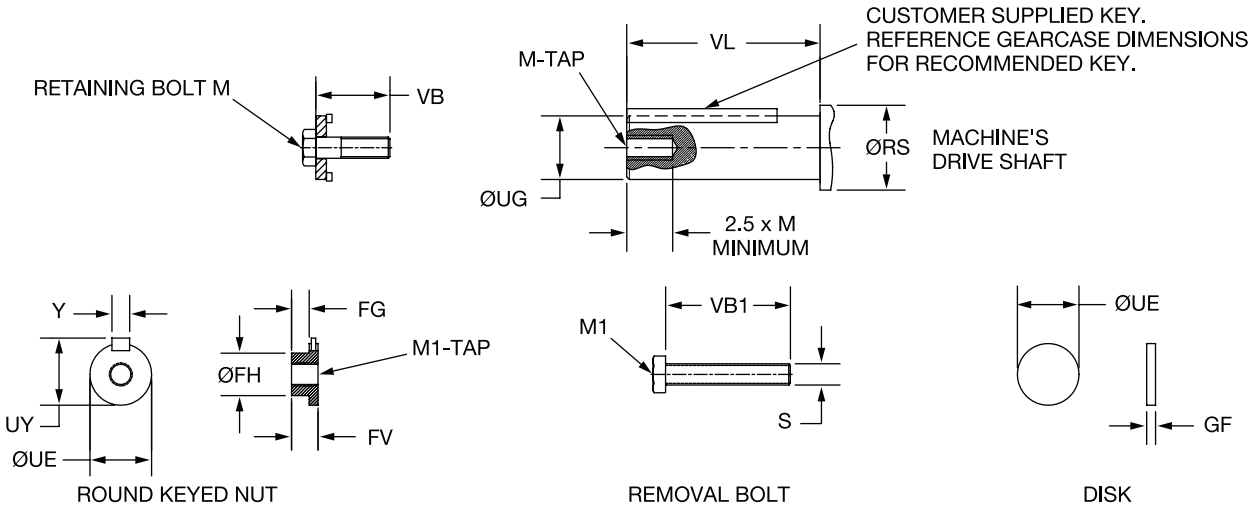


Table 2: Metric shafts

Unit size	FG	ØFH	FV	GF	M	M1	M4	S	Ø U *	Y Max.	ØUE	ØUG	tol.	UY Max	VL	VB	VB1	VG	Ø RS ◊
38	10	9	15	6	M10	M10 x 1,5	44	8	30	8	29,9	30	+0,000 -0,013	33	90	40	150	102	42
48	9	22	15	6	M12	M12 x 1,5	58	10	35	10	34,9	35	+0,0000 -0,0016	38	115	50	180	128	47
					M16				40	12	39,9	40	+0,000 -0,016	43		60			52
68	13	26	20	7	M16	M16 x 1,5	69	13	40	12	39,9	40	+0,0000 -0,0016	43	135	60	210	150	52
									45	14	44,9	45	+0,000 -0,016	49					57
88	13	35	20	7	M16	M16 x 1,5	78	13	50	14	49,9	50	+0,0000 -0,0016	53	165	60	250	180	62
					M20				60	18	59,9	60	+0,000 -0,019	64		70			72
108	12	45	24	10	M20	M20 x 1,5	93	16	60	18	59,9	60	+0,0000 -0,0019	64	185	80	320	208	72
									70	20	69,9	70	+0,000 -0,019	74					82
128	12	52	24	10	M20	M20 x 1,5	123	16	70	20	69,9	70	+0,0000 -0,0019	74	240	80	360	263	82
									80	22	79,9	80	+0,000 -0,019	85		85			92
148	7	61	24	10	M20	M20 x 1,5	148	16	80	22	79,9	80	+0,0000 -0,0019	95	280	95	410	310	102
					M24				90	25	89,9	90	+0,000 -0,022						
168	8	79	30	10	M24	M24 x 1,5	175	20	100	28	99,9	100	+0,0000 -0,0022	106	330	95	470	366	112
									110		109,9	110	+0,000 -0,022	116		100			122

* Hollow shaft tolerances (For dimension U) are shown in the gearbox dimension pages.
Tolerance for dimension UE should be -0.01 in for inch bore shafts
Bold shaft diameters indicate standard shaft
◊ RS Dimension is the minimum recommended shaft shoulder diameter

Quantis® reducers
Assembly/disassembly

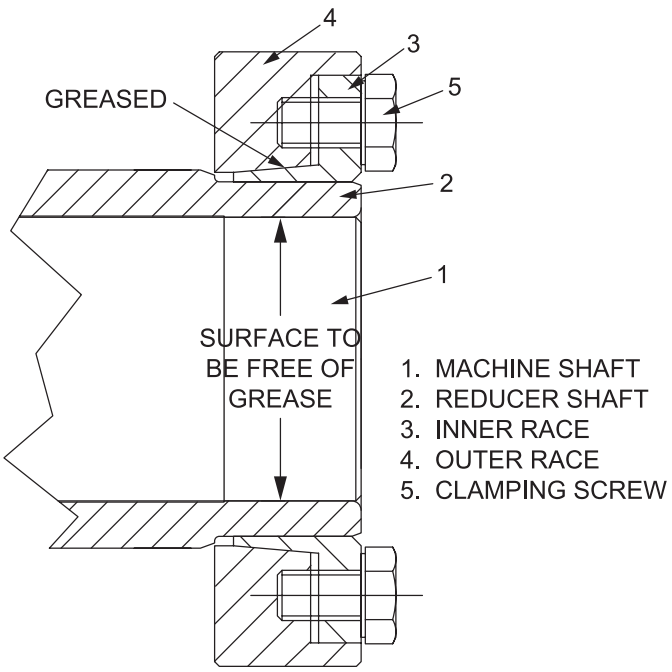
Installation instructions for Baldor•Dodge Quantis MSM and RHB reducers with shrink disk mounting

WARNING
To ensure that the drive is not unexpectedly started, turn off and lock out or tag power source before proceeding. Failure to observe these precautions could result in bodily injury.

The Shrink Disk is delivered ready for installation.

WARNING
Do not disassemble the shrink disk before first clamping.

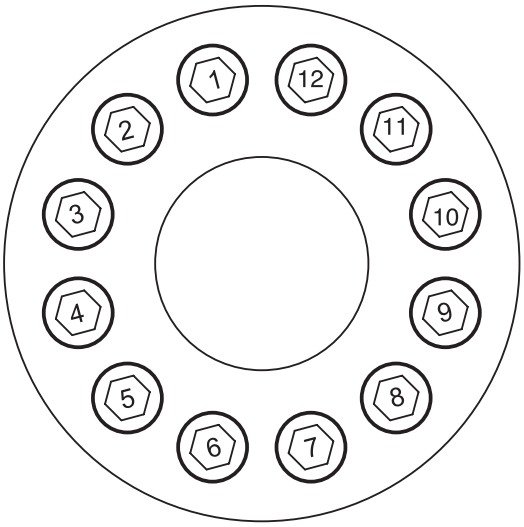
Assembly
The bore of the hollow shaft and the outside diameter of the machine shaft must be clean, dry and free of grease and oil in the area around the shrink disk seat. The performance of the unit depends on proper installation. Dirty solvents and cleaning rags are unsuitable for cleaning these surfaces. The tapered surfaces of the shrink disk may be lightly coated with grease.



WARNING
Never tighten the clamping screws before the machine shaft is installed. If the clamping screws are tightened before the machine shaft is installed, the reducer hollow shaft will be plastically deformed and permanently damaged.

The clamping screws are to be tightened in the proper sequence until the front surfaces of the outer and inner race are flush. The correct clamping state can thus be checked visually.

Reference the following diagram for the proper tightening sequence for the clamping screws.



Quantis® reducers
Assembly/disassembly

Installation instructions for Baldor•Dodge Quantis MSM and RHB reducers with shrink disk mounting

To avoid overloading the individual screws, the maximum tightening torque must not be exceeded. Again, proper installation is achieved when the faces are flush. If the front surfaces of the inner and outer races are not flush after the screws are properly tightened, the tolerance of the machine shaft outer diameter should be checked to determine if it is within specification.

Maximum tightening torques

Unit size	Clamping screw thread	Max. tightening torque	
38	M8	29 Nm	22 ft-lb
48	M8	29 Nm	22 ft-lb
68	M8	29 Nm	22 ft-lb
88	M10	58 Nm	43 ft-lb
108	M10	58 Nm	43 ft-lb
128	M10	58 Nm	43 ft-lb
148	M12	100 Nm	74 ft-lb
168	M14	160 Nm	118 ft-lb

Re-install the protective cover after the clamping screws are tightened.

Disassembly:
The clamping screws are to be loosened in sequence. If the outer race does not come off the inner race by itself, some clamping screws can be used as jack screws in the jack holes provided to force the two races apart. The shrink disk can then be removed from the reducer shaft.

Cleaning and lubrication
If the gear unit is disassembled for any reason, it is recommended that the shrink disk be lubricated prior to re-assembly. Only the tapered surfaces should be lubricated. A solid grease with a friction coefficient of μ = 0.04 in accordance with the table below should be used.

Lubricant	Commercial form	Manufacturer
Molykote 321R	Spray	DOW Corning
Molykote Spray	Spray	DOW Corning
Molykote G Rapid	Spray or Paste	DOW Corning
Aemasol MO 19 P	Spray or Paste	A. C. Matthes
Molkombin UMFT 1	Spray	Kluber
Unimoly P5	Powder	Kluber

Quantis® reducers

Assembly/disassembly

Instructions for use of the RHB tie rod kit (KR)

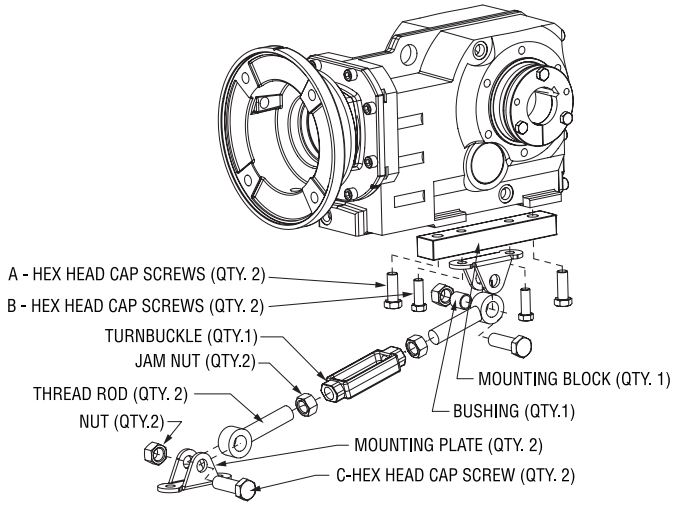


Figure A

Reducer size	Screw size & thread		Tightening torque * (foot-lb.)
BF38	A	M10 x 35	43
	B	7/16 - 14	35
	C	5/8 - 11	Hand Snug
BF48	A	M10 x 45	43
	B	7/16 - 14	35
	C	5/8 - 11	Hand Snug
BF68	A	M12 x 45	74
	B	7/16- -14	35
	C	5/8 - 11	Hand Snug
BF88	A	M16 x 55	181
	B	1/2/ - 3	55
	C	5/8 - 11	Hand Snug
BF108	A	M16 x 55	181
	B	5/8 - 11	110
	C	5/8 - 11	Hand Snug
BF128	A	M20 x 65	350
	B	3/4 - 10	200
	C	1 - 8	Hand Snug
BF148	A	M24 x 75	605
	B	3/4 - 10	200
	C	1-8	Hand Snug
BF168	A	M30 x 120	1210
	B	1 - 8	480
	C	1-1/4 - 7	Hand Snug

*Apply Threadlocker to all fasteners

Position the tie rod mounting block on the reducer hole pattern. The tie rod assembly must be located on the same side of the reducer as the driven shaft (see Figure B). Insert the supplied metric screws and tighten them to the tightening torque value labeled “A” in the above table. Position a mounting plate on the mounting block. Insert the supplied screws and tighten them to the tightening torque value labeled “B”. Connect a threaded rod to the mounting plate using a screw, bushing, and nut. Apply Threadlocker and hand tighten. Assemble a nut, turnbuckle, second threaded rod, and mounting plate (see Figure A). Attach this assembly to the threaded rod connected to the mounting plate. Orient the tie rod assembly at an angle within the range shown in Figure C, and secure the second mounting plate. Use Threadlocker and hand tighten the second mounting plate screw. Adjust the length of the tie rod assembly by rotating the turnbuckle. Tighten the jam nuts against the turnbuckle to lock the length of the tie rod assembly. Overall length can be reduced further (approximately 6 inches) by cutting the excess threaded rod from the tie rods.

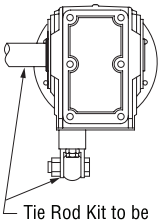


Figure B

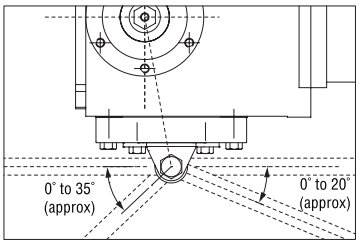


Figure C

Warning:
Failure to apply Threadlocker and the correct tightening torque to fasteners may result in equipment failure and personal injury.

Quantis® reducers

Assembly/disassembly

Instructions for use of the RHB torque arm bracket (K)

The torque arm bracket must be attached to the tapped holes in the RHB housing base. The two mounting capscrews must be properly tightened with a torque wrench to their recommended tightening torque (see table below). It is highly recommended that the capscrews be secured with threadlocker (Loctite 243 or equivalent) to prevent them from loosening in service.

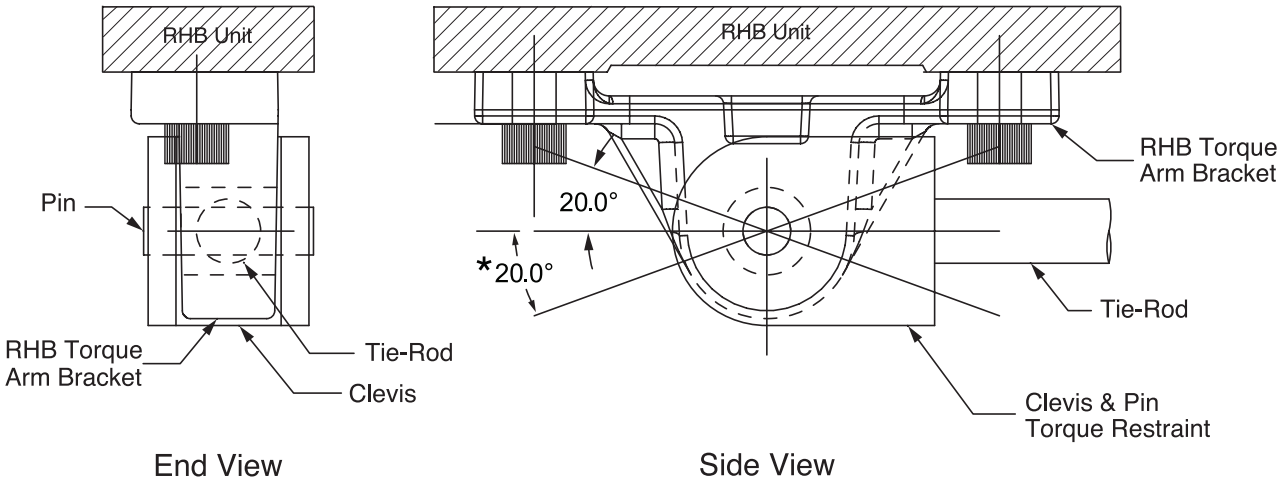
The torque arm bracket should be attached to the set of tapped holes in the base of the RHB unit that is adjacent to the nearest bearing supporting the driven shaft.

Recommended tightening torques

Unit	Mounting capscrew size	Tightening torque	Torque arm bracket pin diameter
BF38	M10	440 lb-in (50 Nm)	,47 in. (12 mm)
BF48	M10	440 lb-in (50 Nm)	,71 in. (18 mm)
BF68	M12	800 lb-in (90 Nm)	,71 in. (18 mm)
BF88	M16	1860 lb-in (210 Nm)	,98 in. (25 mm)
BF108	M16	1860 lb-in (210 Nm)	,98 in. (25 mm)
BF128	M20	3720 lb-in (420 Nm)	,98 in. (25 mm)
BF148	M24	6420 lb-in (725 Nm)	1,57 in. (40 mm)
BF168	M30	12840 lb-in (1450 Nm)	1,57 in. (40 mm)

A torque restraining device must be pin connected to the torque arm by means of a clevis type connection. The pin diameter required is listed above or may be found on page RHB-348 (dimension “FU”). See the sketch below. It is very important that a clevis type device that straddles the torque arm bracket is used. This will ensure that no twisting moment is imposed on the torque arm bracket.

The clevis may be rigidly connected to nearby rigid framework or may be affixed to the end of a tie-rod assembly. If a tie-rod is used as a torque restraint, it should be oriented parallel to the base of the RHB unit. If this parallel orientation is not possible, it should not be oriented more than 20 degrees from parallel. Tie-rod orientation at greater angles will result in excessive loads on the RHB torque arm bracket.



*Allowable Angular Orientation of tie-rod is no more than +/- 20 deg. from a line parallel to base of RHB unit.

Attn: Application Engineering – Quantis

Fax No. +49 (0) 6261 17741

From: _____

Company: _____

Account: _____

Phone: _____ Fax _____

Application Information Worksheet

Is this unit New ☐ Replacement ☐ If replacement, why? Explain: _____

Application description _____

Ambient operating temperature range: _____ [°C] Operating environment description: _____

Hours operated per day: _____ Starts/Stops per hour? _____

Is this a reversing application? Yes ☐ No ☐ If yes, how often per hour? _____

Are there any size restrictions? Explain: _____

Moment of inertia (J) of driven machine: _____ [kg m^2]

Prime Mover Information

Electric Motor? ☐ Frame Size _____ Rated kW _____ at _____ [1/min]

Foot Mount? ☐ C Face? ☐ Integral Gearmotor ☐ Peak torque _____ (Nm) Frequency of peak torque _____/h

Duration of peak torque _____ [sec] Phase / Frequency / Voltage required (ie. 3/50/400) _____

Reliance Motor ☐ Reliance Model Number _____ Customer supplied ☐ Motor manufactuer _____

Internal combustion engine? ☐ Single cylinder? ☐ Multi-cylinder? ☐

Power _____[kW] or torque _____[Nm] developed at _____ [1/min]

Other prime mover? Explain: _____

Is prime mover directly coupled to the reducer? Yes ☐ No ☐ If no, explain _____

Special features or accessories required? Yes ☐ No ☐ If yes, detail features required _____

Gear Drive Information

Type of unit required: ILH (In-Line Helical) ☐ MSM (Motorized Shaft Mount) ☐ RHB (Right-Hand Helical Bevel) ☐

Desired ratio (i) _____ Ratio tolerance _____ Mounting position required _____

Constant speed? ☐ Variable speed ☐ If variable speed, what is desired speed range? _____ [1/min]

Backstop required? Yes ☐ No ☐ If yes, which direction of rotation? $-\alpha$ ☐ $+\alpha$ ☐ Specify angle _____ [°]

$-\beta$ ☐ $+\beta$ ☐ Specify angle _____ [°]

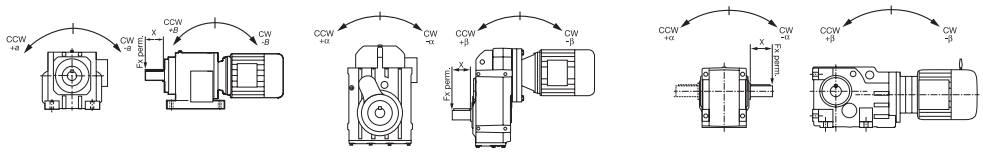
Overhung Load? Input shaft ☐ Output shaft ☐ Radial Load ☐ Thrust Load ☐

Radial load location on shaft of OHL from shaft shoulder (x) _____ [mm] Angle of applied load _____ [°]

Load ($F_{x\,perm}$) _____ [N] Thrust load – toward unit? ☐ Away from unit? ☐

Special features or accessories required? Yes ☐ No ☐ If yes, detail features required _____

ILH **MSM** **RHB**



Direction of rotation: $-\alpha$, $-\beta$ = clockwise

$+\alpha$, $+\beta$ = counter clockwise

DODGE Quantis® MODULAR GEARING SOLUTIONS

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