Catalog | April 2015

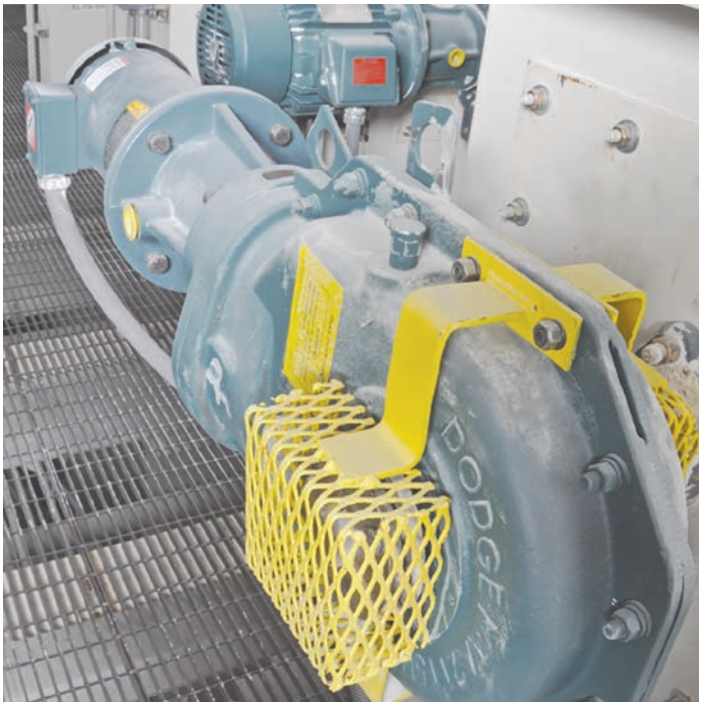
Metric Motorized Torque-Arm® II Technical catalog

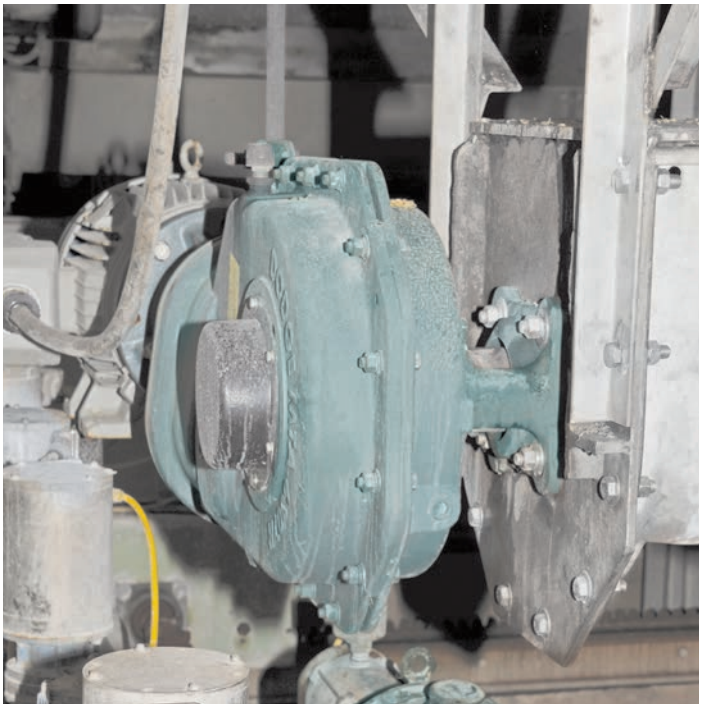
DODGE®

Power and productivity
for a better world™

ABB

With expertise, and a comprehensive portfolio of products and life-cycle services, we help value-minded industrial customers improve their energy efficiency and productivity.





Motorized Torque-Arm® II reducers

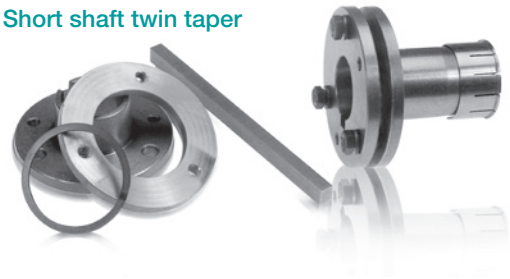
Motorized Torque-Arm® II reducers
Features/benefits

Dodge® MTA uses standard TA II accessories

Bushings – Metric and inch
MTA II offers two types of bushing systems
a. Standard twin tapered bushings for concentric grip and easy installation and removal
b. Short shaft twin tapered bushings for replacing straight bore and use on shorter driven shafts

Standard twin taper

Short shaft twin taper



Bushing covers

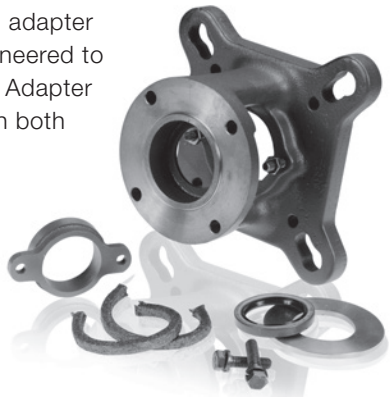
Metal

ABS Polymer

MTA is drilled and tapped to accept the ABS bushing covers. Aluminum covers require customer fitment to the reducer.

Backstop
MTA Reducers require a larger size TA II Backstop as noted in accessory pages. The new backstop with a centrifugal throw-out design eliminates sprag sliding and reduces wear; it operates with standard and EP lubricants.

Screw conveyor adapter with adjustable packing kit
New CEMA bolt-on adapter and shafts are engineered to CEMA dimensions. Adapter features lip seals on both sealing surfaces.



Driveshaft

Tie rod
New TA rod kit with brackets for universal mounting

Motorized Torque-Arm® II reducers
General specification

Dodge® Motorized Torque-Arm II speed reducers – General specification:

The speed reducer shall be coupled enclosed shaft mount type unit with a triple reduction ratio. The reducer shall mount directly on the driven shaft and utilize an adjustable torque arm that attaches from the gear case to the support structure or foundation. The motor shall be attached to the reducer with a cast iron adapter and shall utilize a flexible, jaw style, 3 piece coupling to eliminate fretting corrosion and allow for any minor misalignment issues.

The reducer housing shall be constructed of two piece corrosion resistant, class 30 gray iron. All housings shall be doweled and precision machined to assure accurate alignment for all gear sets. Pry slots are provided for ease of repair.

All gearing shall be of helical or helical/bevel design, case carburized and precision finished to insure a high surface durability with a resilient tooth core for impact resistance and optimum service life. Input pinion shall be supported between bearings to maintain proper alignment of gear meshes, maximize load carrying capabilities, and to eliminate overhung loads imposed on bearings. Design meets or exceeds AGMA standards.

Reducer bearings shall be of the tapered roller type, meet or exceed AGMA standards, and provide a minimum 25,000 hour average life, AGMA Class I standard.

All seals shall be of the lip, spring loaded type, made of Hydrogenated Nitrile Butadiene Rubber. A metal excluder seal with rubber lip shall be external to the standard oil seal on all outboard seals.

Reducer installation shall be accomplished by using ductile iron, fully split, two bushing system. Reducer removal shall be accomplished by providing jack screw holes in the bushing flanges to mechanically remove the tapered assembly.

Backstops shall be lift-off sprag type and designed for use with standard and extreme pressure (EP) lubricants.

Dodge Motorized Torque-Arm II screw conveyor drives – General specification:

The drive shall consist of a direct drive speed reducer; a cast iron, bolt on, four bolt mounting adapter with double lip seals on both ends, and optional bolt on adjustable packing kit.

A standard three-hole drive shaft will be machined from a high quality alloy steel.

The drive shall conform to Conveyor Equipment Manufacturers Association (CEMA) standards.

Motorized Torque-Arm is ATEX certified

Motorized Torque-Arm has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 2 and M2 equipment, which is intended for use in potentially explosive atmospheres.

These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

Motorized Torque-Arm® II reducers
Determining service class

Class I – 1.0 service factor, Class II – 1.4 service factor, Class III – 2.0 service factor

Application	Class numbers	
	3 to 10 hrs per day	Over 10 hrs per day
Agitators (Mixers)	–	–
Pure liquids	I	II
Liquids and solids	II	II
Liquids-variable density	II	II
Blowers	–	–
Centrifugal	I	II
Lobe	II	II
Vane	II	II
Brewing and distilling	–	–
Bottling machinery	I	II
Brew kettles-continuous duty	II	II
Cookers-continuous duty	II	II
Mash tubs-continuous duty	II	II
Scale hopper-frequent starts	II	II
Can filling machines	I	II
Car dumpers	III	III
Car pullers	II	II
Clarifiers	I	II
Classifiers	II	II
Clay working machinery	–	–
Brick press	III	III
Briquette machine	III	III
Pug mill	II	II
Compactors	★	★
Compressors	–	–
Centrifugal	I	II
Lobe	II	II
Reciprocating, multi-cylinder	II	III
Reciprocating, single-cylinder	III	III
Conveyors-general purpose	(Includes apron, assembly, belt, bucket, chain, flight, oven and screw)	
Uniformly loaded or fed	I	II
Heavy duty-not uniformly fed	II	II
Severe duty-reciprocating or shaker	III	III
Cranes	★	★
Crusher	–	–
Stone or ore	III	III
Dredges	–	–
Cable reels	II	II
Conveyors	II	II
Cutter head drives	III	III
Pumps	III	III
Screen drives	III	III
Stackers	II	II
Winches	II	II

Application	Class numbers	
	3 to 10 hrs per day	Over 10 hrs per day
Elevators	–	–
Bucket	II	II
Centrifugal discharge	I	II
Escalators	I	II
Freight	II	II
Gravity discharge	I	II
Extruders	–	–
General	II	II
Plastics	–	–
Variable speed drive	III	III
Fixed speed drive	III	III
Rubber	–	–
Continuous screw operation	III	III
Intermittent screw operation	III	III
Fans	–	–
Centrifugal	I	II
Forced draft	II	II
Induced draft	II	II
Industrial & mine	II	II
Feeders	–	–
Apron, belt	II	II
Disc	I	II
Reciprocating	III	III
Screw	II	II
Food industry	–	–
Cereal cooker	I	II
Dough mixer	II	II
Meat grinders	II	II
Slicers	II	II
Generators and exciters	II	II
Hammer mills	III	III
Hoists		
Laundry tumblers	II	II
Laundry washers	II	III

Motorized Torque-Arm® II reducers
Determining service class

Class I – 1.0 service factor, Class II – 1.4 service factor, Class III – 2.0 service factor

Application	Class numbers	
	3 to 10 hrs per day	Over 10 hrs per day
Lumber industry	–	–
Barkers	–	–
Spindle feed	II	II
Main drive	III	III
Conveyors	–	–
Burner	II	II
Main or heavy duty	II	II
Main log	III	III
Re-saw, merry-go-round	II	II
Transfer	II	II
Slab	III	III
Chains	–	–
Floor	II	II
Green	II	III
Cut-off saws	–	–
Chain	II	III
Drag	II	III
Debarking drums	III	III
Feeds	–	–
Edger	II	II
Gang	III	III
Trimmer	II	II
Log deck	III	III
Log hauls-incline-well type	III	III
Log tuning devices	III	III
Planer feed	II	II
Planer tilting hoists	II	II
Rolls-live-off brg.- roll cases	III	III
Sorting table	II	II
Triple hoist	II	II
Transfers	–	–
Chain	II	III
Craneway	II	III
Tray drives	II	II
Veneer lathe drives	II	II
Metal mills	–	–
Draw bench carriage and main drive	II	II
Runout table	–	–
Non-reversing	–	–
Group drives	II	II
Individual drives	III	III
Reversing	III	III
Slab pushers	II	II
Shears	III	III

Application	Class numbers	
	3 to 10 hrs per day	Over 10 hrs per day
Wire drawing	II	II
Wire winding machine	II	II
Metal strip processing machinery	–	–
Bridles	II	II
Coilers & uncoilers	I	II
Edge trimmers	II	II
Flatteners	II	II
Loopers (accumulators)	I	I
Pinch rolls	II	II
Scrap choppers	II	II
Shears	III	III
Slitters	II	II
Mills, rotary type	–	–
Ball & rod	–	–
Spur ring gear	III	III
Helical ring gear	II	II
Direct connected	III	III
Cement kilns	II	II
Dryers & coolers	II	II
Mixers, cement, paper mills	–	–
Agitator (mixer)	II	II
Agitator for pure liquors	II	II
Barking drums	III	III
Barkers-mechanical	III	III
Beater	II	II
Breaker stack	II	II
Chipper	III	III
Chip feeder	II	II
Coating rolls	II	II
Conveyors	–	–
Chip, bark, chemical	II	II
Log (including slab)	III	III
Couch rolls	II	II
Cutter	III	III
Cylinder molds	II	II
Embosser	II	II
Extruder	II	II
Fourdrinier rolls (includes lump breaker, dandy roll, wire turning, and return rolls)	II	II
Jordan	II	II
Kiln drive	II	II
Mt. hope roll	II	II
Paper rolls	II	II
Platter	II	II

Motorized Torque-Arm® II reducers
Determining service class

Class I – 1.0 service factor, Class II – 1.4 service factor, Class III – 2.0 service factor

Application	Class numbers	
	3 to 10 hrs per day	Over 10 hrs per day
Mixers, cement, paper mills (cont)	–	–
Presses-felt & suction	II	II
Pulper	III	III
Pumps-vacuum	II	II
Reel (surface type)	II	II
Screens	–	–
Chip	II	II
Rotary	II	II
Vibrating	III	III
Size press	II	II
Thickener (AC motor)	II	II
(DC motor)	II	II
Washer (AC motor)	II	II
(DC motor)	II	II
Wind and unwind stand	I	I
Winders (surface type)	II	II
Plastics industry-secondary processing	–	–
Blow molders	II	II
Coating	II	II
Film	II	II
Pipe	II	II
Pre-plasticizers	II	II
Rods	II	II
Sheet	II	II
Tubing	II	II
Pullers-barge haul pumps	II	II
Centrifugal	I	II
Proportioning	II	II
Reciprocating	–	–
Single acting, 3 or more cylinders	II	II
Double acting, 2 or more cylinders	II	II
Rotary	–	–
Gear type	I	II
Lobe	I	II
Vane	I	II
Rubber and plastics industry	–	–
Intensive internal mixers	–	–
Batch mixers	III	III
Continuous mixers	II	II
Mixing mill	–	–
2 smooth rolls	II	II
1 or 2 corrugated rolls	III	III

Application	Class numbers	
	3 to 10 hrs per day	Over 10 hrs per day
Batch drop mill - 2 smooth rolls	II	II
Cracker warmer - 2 roll, 1 corrugated roll	III	III
Cracker-2 corrugated rolls	III	III
Holding, feed & blend mill-2 rolls	II	II
Refiner-2 rolls	II	II
Calenders	II	II
Sand muller	II	II
Sewage disposal equipment	–	–
Bar screens	II	II
Chemical feeders	II	II
Dewatering screens	II	II
Scum breakers	II	II
Slow or rapid mixers	II	II
Sludge collectors	II	II
Thickener	II	II
Vacuum filters	II	II
Screens	–	–
Air washing	I	II
Rotary-stone or gravel	II	II
Traveling water intake	I	I
Screw conveyors	–	–
Uniformly loaded or fed	I	II
Heavy duty	II	II
Sugar industry	–	–
Beet slicer	III	III
Cane knives	II	II
Crushers	II	II
Mills (low speed end)	III	III
Textile industry	–	–
Batchers	II	II
Calenders	II	II
Cards	II	II
Dry Cans	II	II
Dyeing machinery	II	II
Looms	II	II
Mangles	II	II
Nappers	II	II
Pads	II	II
Stashers	II	II
Soapers	II	II
Spinners	II	II
Tenter frames	II	II
Washers	II	II
Winders	II	II

Motorized Torque-Arm® II reducers
Nomenclature and descriptions

MTA2115 through MTA8407

MTA IEC flanged reducer nomenclature
M5H18T200IEC torque arm reducer only

M - Motorized torque-arm
5 - Case size, **H** - Heavy duty,
18 - Nominal ratio, **T** - Tapered bore
200 - 200 - motor frame, **IEC** - IEC flanged motor adapter

Part number	Part number	Part number	Part number	Part number	Part number	Part number
M2H71T90IEC	M3H58T100IEC	M4H66T112IEC	M5H60T132IEC	M6H79T132IEC	M7H67T160IEC	M8H60T180IEC
M2H77T90IEC	M3H65T100IEC	M4H74T112IEC	M5H65T132IEC	M6H45T160IEC	M7H76T160IEC	M8H69T180IEC
M2H39T100IEC	M3H70T100IEC	M4H30T132IEC	M5H72T132IEC	M6H50T160IEC	M7H44T180IEC	M8H79T180IEC
M2H44T100IEC	M3H76T100IEC	M4H34T132IEC	M5H34T160IEC	M6H52T160IEC	M7H51T180IEC	M8H51T200IEC
M2H47T100IEC	M3H44T112IEC	M4H41T132IEC	M5H40T160IEC	M6H59T160IEC	M7H58T180IEC	M8H53T200IEC
M2H51T100IEC	M3H47T112IEC	M4H44T132IEC	M5H43T160IEC	M6H67T160IEC	M7H67T180IEC	M8H79T200IEC
M2H58T100IEC	M3H51T112IEC	M4H49T132IEC	M5H48T160IEC	M6H79T160IEC	M7H76T180IEC	M8H31T225IEC
M2H66T100IEC	M3H58T112IEC	M4H52T132IEC	M5H51T160IEC	M6H29T180IEC	M7H33T200IEC	M8H34T225IEC
M2H71T100IEC	M3H65T112IEC	M4H61T132IEC	M5H60T160IEC	M6H34T180IEC	M7H38T200IEC	M8H40T225IEC
M2H77T100IEC	M3H70T112IEC	M4H66T132IEC	M5H65T160IEC	M6H39T180IEC	M7H44T200IEC	M8H46T225IEC
M2H25T112IEC	M3H76T112IEC	M4H74T132IEC	M5H72T160IEC	M6H45T180IEC	M7H51T200IEC	M8H51T225IEC
M2H30T112IEC	M3H17T132IEC	M4H18T160IEC	M5H18T180IEC	M6H50T180IEC	M7H58T200IEC	M8H53T225IEC
M2H32T112IEC	M3H21T132IEC	M4H22T160IEC	M5H21T180IEC	M6H52T180IEC	M7H67T200IEC	M8H60T225IEC
M2H36T112IEC	M3H25T132IEC	M4H26T160IEC	M5H25T180IEC	M6H59T180IEC	M7H76T200IEC	M8H60T225IECS
M2H39T112IEC	M3H29T132IEC	M4H30T160IEC	M5H29T180IEC	M6H67T180IEC	M7H22T225IEC	M8H69T225IECS
M2H44T112IEC	M3H32T132IEC	M4H34T160IEC	M5H34T180IEC	M6H79T180IEC	M7H26T225IEC	M8H23T250IEC
M2H47T112IEC	M3H35T132IEC	M4H41T160IEC	M5H40T180IEC	M6H22T200IEC	M7H29T225IEC	M8H27T250IEC
M2H51T112IEC	M3H38T132IEC	M4H44T160IEC	M5H43T180IEC	M6H24T200IEC	M7H33T225IEC	M8H31T250IEC
M2H66T112IEC	M3H44T132IEC	M4H49T160IEC	M5H48T180IEC	M6H29T200IEC	M7H38T225IEC	M8H34T250IEC
M2H18T132IEC	M3H47T132IEC	M4H52T160IEC	M5H51T180IEC	M6H34T200IEC	M7H38T225IECS	M8H40T250IEC
M2H21T132IEC	M3H51T132IEC	M4H61T160IEC	M5H60T180IEC	M6H39T200IEC	M7H44T225IECS	M8H46T250IECS
M2H25T132IEC	M3H65T132IEC	M4H66T160IEC	M5H65T180IEC	M6H45T200IEC	M7H67T225IECS	M8H51T250IECS
M2H30T132IEC	M3H17T160IEC	M4H74T160IEC	M5H72T180IEC	M6H50T200IEC	M7H22T250IEC	M8H53T250IECS
M2H32T132IEC	M3H21T160IEC	M4H18T180IEC	M5H18T200IEC	M6H52T200IEC	M7H26T250IEC	M8H60T250IECS
M2H36T132IEC	M3H25T160IEC	M4H22T180IEC	M5H21T200IEC	M6H59T200IEC	M7H29T250IEC	M8H69T250IECS
M2H39T132IEC	M3H29T160IEC	M4H26T180IEC	M5H25T200IEC	M6H67T200IEC	M7H19T250IECS	M8H79T250IECS
M2H44T132IEC	M3H32T160IEC	M4H30T180IEC	M5H29T200IEC	M6H19T225IEC	M7H26T250IECS	M8H17T280IEC
M2H47T132IEC	M3H35T160IEC	M4H34T180IEC	M5H40T200IEC	M6H22T225IEC	M7H29T250IECS	M8H23T280IEC
M2H51T132IEC	M3H38T160IEC	M4H18T200IEC	M5H43T200IEC	M6H24T225IEC	M7H33T250IECS	M8H27T280IEC
M2H66T132IEC	M3H44T160IEC	M4H22T200IEC	M5H48T200IEC	M6H22T225IECS	M7H44T250IECS	M8H31T280IECS
M2H18T160IEC	M3H47T160IEC		M5H51T200IEC	M6H24T225IECS	M7H51T250IECS	M8H34T280IECS
M2H21T160IEC			M5H18T225IEC	M6H29T225IECS	M7H58T250IECS	M8H40T280IECS
M2H25T160IEC			M5H18T225IECS	M6H34T225IECS	M7H19T280IEC	M8H46T280IECS
M2H30T160IEC			M5H21T225IECS	M6H39T225IECS	M7H26T280IECS	M8H51T280IECS
			M5H25T225IECS	M6H45T225IECS	M7H29T280IECS	M8H53T280IECS
			M5H29T225IECS		M7H33T280IECS	
			M5H34T225IECS		M7H38T280IECS	

Note: Use EZ-Selection charts and verify required base IEC-flange motor speed before ordering
IEC Motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.
IECS is for smaller shaft 2 pole motors
ALL IEC 280 frame adapter is designed to handle the weight of the IEC280S frame (not the 280M frame)

Motorized Torque-Arm® II reducers
MTA engineering information

MTA2 kilowatt and torque ratings

MTA2115

Ratio	Motor speed	IEC 90		IEC 100		IEC 112		IEC 132		IEC 160	
		1450	2900	1450	2900	1450	2900	1450	2900	1450	2900
76.96	Output rpm	**19**	**38**	**19**	**38**	**19**	**38**	**19**	**38**	**19**	**38**
	Class I catalog Kw	2,7		2,7							
	Class I torque nM	1281		1281							
	Part number	M2H77T90IEC		M2H77T100IEC							
71.18	Output rpm	**20**	**41**	**20**	**41**	**20**	**41**	**20**	**41**	**20**	**41**
	Class I catalog Kw	2,9		2,9							
	Class I torque nM	1280		1280							
	Part number	M2H71T90IEC		M2H71T100IEC							
66.07	Output rpm	**22**	**44**	**22**	**44**	**22**	**44**	**22**	**44**	**22**	**44**
	Class I catalog Kw	3,2	6,1	3,2	6,1		6,1		6,1		
	Class I torque nM	1277	1243	1277	1243		1243		1243		
	Part number	M2H66T90IEC	M2H66T90IEC	M2H66T100IEC	M2H66T100IEC		M2H66T112IEC		M2H66T132IEC		
58.29	Output rpm	**25**	**50**	**25**	**50**	**25**	**50**	**25**	**50**	**25**	**50**
	Class I catalog Kw	3,3		3,3							
	Class I torque nM	1273		1273							
	Part number	M2H58T90IEC		M2H58T100IEC							
51.31	Output rpm	**28**	**57**	**28**	**57**	**28**	**57**	**28**	**57**	**28**	**57**
	Class I catalog Kw	4,0	7,7	4,0	7,7		7,7		7,7		
	Class I torque nM	1271	1198	1271	1198		1198		1198		
	Part number	M2H51T90IEC	M2H51T90IEC	M2H51T100IEC	M2H51T100IEC		M2H51T112IEC		M2H51T132IEC		
47.45	Output rpm	**31**	**61**	**31**	**61**	**31**	**61**	**31**	**61**	**31**	**61**
	Class I catalog Kw	4,4	8,1	4,4	8,1	4,4	8,1		8,1		
	Class I torque nM	1267	1185	1267	1185	1267	1185		1185		
	Part number	M2H47T90IEC	M2H47T90IEC	M2H47T100IEC	M2H47T100IEC	M2H47T112IEC	M2H47T112IEC		M2H47T132IEC		
44.05	Output rpm	**33**	**66**	**33**	**66**	**33**	**66**	**33**	**66**	**33**	**66**
	Class I catalog Kw	4,7	8,6	4,7	8,6	4,7	8,6		8,6		
	Class I torque nM	1265	1165	1265	1165	1265	1165		1165		
	Part number	M2H44T90IEC	M2H44T90IEC	M2H44T100IEC	M2H44T100IEC	M2H44T112IEC	M2H44T112IEC		M2H44T132IEC		
38.86	Output rpm	**37**	**75**	**37**	**75**	**37**	**75**	**37**	**75**	**37**	**75**
	Class I catalog Kw	5,2	9,5	5,2	9,5	5,2	9,5		9,5		
	Class I torque nM	1261	1129	1261	1129	1261	1129		1129		
	Part number	M2H39T90IEC	M2H39T90IEC	M2H39T100IEC	M2H39T100IEC	M2H39T112IEC	M2H39T112IEC		M2H39T132IEC		
35.88	Output rpm	**40**	**81**	**40**	**81**	**40**	**81**	**40**	**81**	**40**	**81**
	Class I catalog Kw	5,7	10,1	5,7	10,1	5,7	10,1	5,7	10,1		
	Class I torque nM	1259	1112	1259	1112	1259	1112	1259	1112		
	Part number	M2H36T90IEC	M2H36T90IEC	M2H36T100IEC	M2H36T100IEC	M2H36T112IEC	M2H36T112IEC	M2H36T132IEC	M2H36T132IEC		
32.15	Output rpm	**45**	**90**	**45**	**90**	**45**	**90**	**45**	**90**	**45**	**90**
	Class I catalog Kw	6,3	11,0	6,3	11,0	6,3	11,0	6,3	11,0		
	Class I torque nM	1240	1089	1240	1089	1240	1089	1240	1089		
	Part number	M2H32T90IEC	M2H32T90IEC	M2H32T100IEC	M2H32T100IEC	M2H32T112IEC	M2H32T112IEC	M2H32T132IEC	M2H32T132IEC		
29.64	Output rpm	**49**	**98**	**49**	**98**	**49**	**98**	**49**	**98**	**49**	**98**
	Class I catalog Kw	6,7	11,6	6,7	11,6	6,7	11,6	6,7	11,6		11,6
	Class I torque nM	1228	1060	1228	1060	1228	1060	1228	1060		1060
	Part number	M2H30T90IEC	M2H30T90IEC	M2H30T100IEC	M2H30T100IEC	M2H30T112IEC	M2H30T112IEC	M2H30T132IEC	M2H30T132IEC		M2H30T160IEC
24.87	Output rpm	**58**	**117**	**58**	**117**	**58**	**117**	**58**	**117**	**58**	**117**
	Class I catalog Kw	7,8	13,1	7,8	13,1	7,8	13,1	7,8	13,1		13,1
	Class I torque nM	1195	1002	1195	1002	1195	1002	1195	1002		1002
	Part number	M2H25T90IEC	M2H25T90IEC	M2H25T100IEC	M2H25T100IEC	M2H25T112IEC	M2H25T112IEC	M2H25T132IEC	M2H25T132IEC		M2H25T160IEC
21.22	Output rpm	**68**	**137**	**68**	**137**	**68**	**137**	**68**	**137**	**68**	**137**
	Class I catalog Kw	8,8	14,6	8,8	14,6	8,8	14,6	8,8	14,6		14,6
	Class I torque nM	1158	949	1158	949	1158	949	1158	949		949
	Part number	M2H21T90IEC	M2H21T90IEC	M2H21T100IEC	M2H21T100IEC	M2H21T112IEC	M2H21T112IEC	M2H21T132IEC	M2H21T132IEC		M2H21T160IEC
17.68	Output rpm	**82**	**164**	**82**	**164**	**82**	**164**	**82**	**164**	**82**	**164**
	Class I catalog Kw	10,2	16,8	10,2	16,8	10,2	16,8	10,2	16,8		16,8
	Class I torque nM	1109	912	1109	912	1109	912	1109	912		912
	Part number	M2H18T90IEC	M2H18T90IEC	M2H18T100IEC	M2H18T100IEC	M2H18T112IEC	M2H18T112IEC	M2H18T132IEC	M2H18T132IEC		M2H18T160IEC

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Motorized Torque-Arm® II reducers
MTA engineering information

MTA3 kilowatt and torque ratings

MTA3203

Ratio	Motor speed	IEC 100		IEC 112		IEC 132		IEC 180	
		1450	2900	1450	2900	1450	2900	1450	2900
76.02	Output rpm	**19**	**38**	**19**	**38**	**19**	**38**	**19**	**38**
	Class I catalog kW	4,4	8,2	4,4	8,2		8,2		
	Class I torque nM	1967	1903	1967	1903		1903		
	Part number	M3H76T100IEC	M3H76T100IEC	M3H76T112IEC	M3H76T112IEC		M3H76T132IEC		
70.30	Output rpm	**21**	**41**	**21**	**41**	**21**	**41**	**21**	**41**
	Class I catalog kW	4,6	8,8	4,6	8,8		8,8		
	Class I torque nM	1967	1885	1967	1885		1885		
	Part number	M3H70T100IEC	M3H70T100IEC	M3H70T112IEC	M3H70T112IEC		M3H70T132IEC		
65.26	Output rpm	**22**	**44**	**22**	**44**	**22**	**44**	**22**	**44**
	Class I catalog kW	4,8	9,3	4,8	9,3		9,3		
	Class I torque nM	1967	1866	1967	1866		1866		
	Part number	M3H65T100IEC	M3H65T100IEC	M3H65T112IEC	M3H65T112IEC		M3H65T132IEC		
57.58	Output rpm	**25**	**50**	**25**	**50**	**25**	**50**	**25**	**50**
	Class I catalog kW	5,6	10,3	5,6	10,3		10,3		
	Class I torque nM	1967	1824	1967	1824		1824		
	Part number	M3H58T100IEC	M3H58T100IEC	M3H58T112IEC	M3H58T112IEC		M3H58T132IEC		
50.68	Output rpm	**29**	**57**	**29**	**57**	**29**	**57**	**29**	**57**
	Class I catalog kW	6,3	11,1	6,3	11,1	6,3	11,1		
	Class I torque nM	1958	1785	1958	1785	1958	1785		
	Part number	M3H51T100IEC	M3H51T100IEC	M3H51T112IEC	M3H51T112IEC	M3H51T132IEC	M3H51T132IEC		
46.87	Output rpm	**31**	**62**	**31**	**62**	**31**	**62**	**31**	**62**
	Class I catalog kW	6,8	12,3	6,8	12,3	6,8	12,3		12,3
	Class I torque nM	1951	1760	1951	1760	1951	1760		1760
	Part number	M3H47T100IEC	M3H47T100IEC	M3H47T112IEC	M3H47T112IEC	M3H47T132IEC	M3H47T132IEC		M3H47T160IEC
43.51	Output rpm	**33**	**67**	**33**	**67**	**33**	**67**	**33**	**67**
	Class I catalog kW	7,3	13,0	7,3	13,0	7,3	13,0		13,0
	Class I torque nM	1948	1737	1948	1737	1948	1737		1737
	Part number	M3H44T100IEC	M3H44T100IEC	M3H44T112IEC	M3H44T112IEC	M3H44T132IEC	M3H44T132IEC		M3H44T160IEC
38.39	Output rpm	**38**	**76**	**38**	**76**	**38**	**76**	**38**	**76**
	Class I catalog kW	8,1	14,5	8,1	14,5	8,1	14,5		14,5
	Class I torque nM	1903	1701	1903	1701	1903	1701		1701
	Part number	M3H38T100IEC	M3H38T100IEC	M3H38T112IEC	M3H38T112IEC	M3H38T132IEC	M3H38T132IEC		M3H38T160IEC
35.44	Output rpm	**41**	**82**	**41**	**82**	**41**	**82**	**41**	**82**
	Class I catalog kW	8,8	15,4	8,8	15,4	8,8	15,4		15,4
	Class I torque nM	1879	1676	1879	1676	1879	1676		1676
	Part number	M3H35T100IEC	M3H35T100IEC	M3H35T112IEC	M3H35T112IEC	M3H35T132IEC	M3H35T132IEC		M3H35T160IEC
31.75	Output rpm	**46**	**91**	**46**	**91**	**46**	**91**	**46**	**91**
	Class I catalog kW	9,4	16,8	9,4	16,8	9,4	16,8		16,8
	Class I torque nM	1849	1647	1849	1647	1849	1647		1647
	Part number	M3H32T100IEC	M3H32T100IEC	M3H32T112IEC	M3H32T112IEC	M3H32T132IEC	M3H32T132IEC		M3H32T160IEC
29.28	Output rpm	**50**	**99**	**50**	**99**	**50**	**99**	**50**	**99**
	Class I catalog kW	10,1	18,0	10,1	18,0	10,1	18,0		18,0
	Class I torque nM	1824	1621	1824	1621	1824	1621		1621
	Part number	M3H29T100IEC	M3H29T100IEC	M3H29T112IEC	M3H29T112IEC	M3H29T132IEC	M3H29T132IEC		M3H29T160IEC
24.57	Output rpm	**59**	**118**	**59**	**118**	**59**	**118**	**59**	**118**
	Class I catalog kW	11,7	20,6	11,7	20,6	11,7	20,6	11,7	20,6
	Class I torque nM	1771	1550	1771	1550	1771	1550	1771	1550
	Part number	M3H25T100IEC	M3H25T100IEC	M3H25T112IEC	M3H25T112IEC	M3H25T132IEC	M3H25T132IEC	M3H25T160IEC	M3H25T160IEC
20.96	Output rpm	**69**	**138**	**69**	**138**	**69**	**138**	**69**	**138**
	Class I catalog kW	13,3	23,0	13,3	23,0	13,3	23,0	13,3	23,0
	Class I torque nM	1722	1480	1722	1480	1722	1480	1722	1480
	Part number	M3H21T100IEC	M3H21T100IEC	M3H21T112IEC	M3H21T112IEC	M3H21T132IEC	M3H21T132IEC	M3H21T160IEC	M3H21T160IEC
17.46	Output rpm	**83**	**166**	**83**	**166**	**83**	**166**	**83**	**166**
	Class I catalog kW	15,6	25,8	15,6	25,8	15,6	25,8	15,6	25,8
	Class I torque nM	1670	1379	1670	1379	1670	1379	1670	1379
	Part number	M3H17T100IEC	M3H17T100IEC	M3H17T112IEC	M3H17T112IEC	M3H17T132IEC	M3H17T132IEC	M3H17T160IEC	M3H17T160IEC

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Motorized Torque-Arm® II reducers
MTA engineering information

MTA4 kilowatt and torque ratings

MTA4207

Ratio	Motor speed	IEC 112		IEC 132		IEC 160		IEC 180		IEC 200	
		1450	2900	1450	2900	1450	2900	1450	2900	1450	2900
73.57	Output rpm	**20**	**39**	**20**	**39**	**20**	**39**	**20**	**39**	**20**	**39**
	Class I catalog Kw	7,3	13,1	7,3	13,1		13,1				
	Class I torque nM	3259	3000	3259	3000		3000				
	Part number	M4H74T112IEC	M4H74T112IEC	M4H74T132IEC	M4H74T132IEC		M4H74T160IEC				
66.17	Output rpm	**22**	**44**	**22**	**44**	**22**	**44**	**22**	**44**	**22**	**44**
	Class I catalog Kw	7,9	14,6	7,9	14,6		14,6				
	Class I torque nM	3219	2948	3219	2948		2948				
	Part number	M4H66T112IEC	M4H66T112IEC	M4H66T132IEC	M4H66T132IEC		M4H66T160IEC				
61.04	Output rpm	**24**	**48**	**24**	**48**	**24**	**48**	**24**	**48**	**24**	**48**
	Class I catalog Kw	8,6	15,7	8,6	15,7		15,7				
	Class I torque nM	3185	2912	3185	2912		2912				
	Part number	M4H61T112IEC	M4H61T112IEC	M4H61T132IEC	M4H61T132IEC		M4H61T160IEC				
51.72	Output rpm	**28**	**56**	**28**	**56**	**28**	**56**	**28**	**56**	**28**	**56**
	Class I catalog Kw	9,8	17,9	9,8	17,9		17,9				
	Class I torque nM	3132	2848	3132	2848		2848				
	Part number	M4H52T112IEC	M4H52T112IEC	M4H52T132IEC	M4H52T132IEC		M4H52T160IEC				
49.04	Output rpm	**30**	**59**	**30**	**59**	**30**	**59**	**30**	**59**	**30**	**59**
	Class I catalog Kw	10,5	18,7	10,5	18,7		18,7				
	Class I torque nM	3110	2826	3110	2826		2826				
	Part number	M4H49T112IEC	M4H49T112IEC	M4H49T132IEC	M4H49T132IEC		M4H49T160IEC				
44.11	Output rpm	**33**	**66**	**33**	**66**	**33**	**66**	**33**	**66**	**33**	**66**
	Class I catalog Kw	11,3	20,6	11,3	20,6	11,3	20,6				
	Class I torque nM	3069	2780	3069	2780	3069	2780				
	Part number	M4H44T112IEC	M4H44T112IEC	M4H44T132IEC	M4H44T132IEC	M4H44T160IEC	M4H44T160IEC				
40.70	Output rpm	**36**	**71**	**36**	**71**	**36**	**71**	**36**	**71**	**36**	**71**
	Class I catalog Kw	12,2	21,9	12,2	21,9	12,2	21,9				
	Class I torque nM	3030	2751	3030	2751	3030	2751				
	Part number	M4H41T112IEC	M4H41T112IEC	M4H41T132IEC	M4H41T132IEC	M4H41T160IEC	M4H41T160IEC				
34.48	Output rpm	**42**	**84**	**42**	**84**	**42**	**84**	**42**	**84**	**42**	**84**
	Class I catalog Kw	14,0	25,3	14,0	25,3	14,0	25,3		25,3		
	Class I torque nM	2968	2861	2968	2861	2968	2861		2861		
	Part number	M4H34T112IEC	M4H34T112IEC	M4H34T132IEC	M4H34T132IEC	M4H34T160IEC	M4H34T160IEC		M4H34T180IEC		
30.05	Output rpm	**48**	**97**	**48**	**97**	**48**	**97**	**48**	**97**	**48**	**97**
	Class I catalog Kw	15,7	28,5	15,7	28,5	15,7	28,5		28,5		
	Class I torque nM	2912	2624	2912	2624	2912	2624		2624		
	Part number	M4H30T112IEC	M4H30T112IEC	M4H30T132IEC	M4H30T132IEC	M4H30T160IEC	M4H30T160IEC		M4H30T180IEC		
25.57	Output rpm	**57**	**113**	**57**	**113**	**57**	**113**	**57**	**113**	**57**	**113**
	Class I catalog Kw	18,1	31,7	18,1	31,7	18,1	31,7		31,7		
	Class I torque nM	2852	2497	2852	2497	2852	2497		2497		
	Part number	M4H26T112IEC	M4H26T112IEC	M4H26T132IEC	M4H26T132IEC	M4H26T160IEC	M4H26T160IEC		M4H26T180IEC		
21.82	Output rpm	**66**	**133**	**66**	**133**	**66**	**133**	**66**	**133**	**66**	**133**
	Class I catalog Kw	20,6	35,1	20,6	35,1	20,6	35,1	20,6	35,1		35,1
	Class I torque nM	2780	2356	2780	2356	2780	2356	2780	2356		2356
	Part number	M4H22T112IEC	M4H22T112IEC	M4H22T132IEC	M4H22T132IEC	M4H22T160IEC	M4H22T160IEC	M4H22T180IEC	M4H22T180IEC		M4H22T200IEC
17.89	Output rpm	**81**	**162**	**81**	**162**	**81**	**162**	**81**	**162**	**81**	**162**
	Class I catalog Kw	24,5	40,1	24,5	40,1	24,5	40,1	24,5	40,1		40,1
	Class I torque nM	2696	2205	2696	2205	2696	2205	2696	2205		2205
	Part number	M4H18T112IEC	M4H18T112IEC	M4H18T132IEC	M4H18T132IEC	M4H18T160IEC	M4H18T160IEC	M4H18T180IEC	M4H18T180IEC		M4H18T200IEC

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Motorized Torque-Arm® II reducers
MTA engineering information

MTA5 kilowatt and torque ratings

MTA5215

Ratio	Motor speed	IEC 112		IEC 132		IEC 160		IEC 180		IEC 200		IEC225 (IECS is for smaller shaft 2 pole motors)	
		1450	2900	1450	2900	1450	2900	1450	2900	1450	2900	1450	2900
71.98	Output rpm	**20**	**40**	**20**	**40**	**20**	**40**	**20**	**40**	**20**	**40**	**20**	**40**
	Class I catalog Kw	11,9	22,4	11,9	22,4	11,9	22,4		22,4				
	Class I torque nM	5211	4984	5211	4984	5211	4984		4984				
	Part number	M5H72T112IEC	M5H72T112IEC	M5H72T132IEC	M5H72T132IEC	M5H72T160IEC	M5H72T160IEC		M5H72T180IEC				
64.74	Output rpm	**22**	**45**	**22**	**45**	**22**	**45**	**22**	**45**	**22**	**45**	**22**	**45**
	Class I catalog Kw	12,8	24,8	12,8	24,8	12,8	24,8		24,8				
	Class I torque nM	5190	4925	5190	4925	5190	4925		4925				
	Part number	M5H65T112IEC	M5H65T112IEC	M5H65T132IEC	M5H65T132IEC	M5H65T160IEC	M5H65T160IEC		M5H65T180IEC				
59.73	Output rpm	**24**	**49**	**24**	**49**	**24**	**49**	**24**	**49**	**24**	**49**	**24**	**49**
	Class I catalog Kw	14,2	26,9	14,2	26,9	14,2	26,9		26,9		26,9		
	Class I torque nM	5181	4892	5181	4892	5181	4892		4892		4892		
	Part number	M5H60T112IEC	M5H60T112IEC	M5H60T132IEC	M5H60T132IEC	M5H60T160IEC	M5H60T160IEC		M5H60T180IEC		M5H60T200IEC		
50.61	Output rpm	**29**	**57**	**29**	**57**	**29**	**57**	**29**	**57**	**29**	**57**	**29**	**57**
	Class I catalog Kw	16,5	31,1	16,5	31,1	16,5	31,1		31,1		31,1		
	Class I torque nM	5110	4822	5110	4822	5110	4822		4822		4822		
	Part number	M5H51T112IEC	M5H51T112IEC	M5H51T132IEC	M5H51T132IEC	M5H51T160IEC	M5H51T160IEC		M5H51T180IEC		M5H51T200IEC		
47.99	Output rpm	**30**	**60**	**30**	**60**	**30**	**60**	**30**	**60**	**30**	**60**	**30**	**60**
	Class I catalog Kw	17,4	32,5	17,4	32,5	17,4	32,5		32,5		32,5		
	Class I torque nM	5087	4796	5087	4796	5087	4796		4796		4796		
	Part number	M5H48T112IEC	M5H48T112IEC	M5H48T132IEC	M5H48T132IEC	M5H48T160IEC	M5H48T160IEC		M5H48T180IEC		M5H48T200IEC		
43.16	Output rpm	**34**	**67**	**34**	**67**	**34**	**67**	**34**	**67**	**34**	**67**	**34**	**67**
	Class I catalog Kw	19,2	35,8	19,2	35,8	19,2	35,8	19,2	35,8		35,8		
	Class I torque nM	5053	4748	5053	4748	5053	4748	5053	4748		4748		
	Part number	M5H43T112IEC	M5H43T112IEC	M5H43T132IEC	M5H43T132IEC	M5H43T160IEC	M5H43T160IEC	M5H43T180IEC	M5H43T180IEC		M5H43T200IEC		
39.82	Output rpm	**36**	**73**	**36**	**73**	**36**	**73**	**36**	**73**	**36**	**73**	**36**	**73**
	Class I catalog Kw	20,3	37,7	20,3	37,7	20,3	37,7	20,3	37,7		37,7		37,7
	Class I torque nM	5010	4560	5010	4560	5010	4560	5010	4560		4560		4560
	Part number	M5H40T112IEC	M5H40T112IEC	M5H40T132IEC	M5H40T132IEC	M5H40T160IEC	M5H40T160IEC	M5H40T180IEC	M5H40T180IEC		M5H40T200IEC		M5H40T225IECS
33.74	Output rpm	**43**	**86**	**43**	**86**	**43**	**86**	**43**	**86**	**43**	**86**	**43**	**86**
	Class I catalog Kw	24,0	41,2	24,0	41,2	24,0	41,2	24,0	41,2		41,2		41,2
	Class I torque nM	4940	4234	4940	4234	4940	4234	4940	4234		4234		4234
	Part number	M5H34T112IEC	M5H34T112IEC	M5H34T132IEC	M5H34T132IEC	M5H34T160IEC	M5H34T160IEC	M5H34T180IEC	M5H34T180IEC		M5H34T200IEC		M5H34T225IECS
29.41	Output rpm	**49**	**99**	**49**	**99**	**49**	**99**	**49**	**99**	**49**	**99**	**49**	**99**
	Class I catalog Kw	27,0	44,5	27,0	44,5	27,0	44,5	27,0	44,5	27,0	44,5		44,5
	Class I torque nM	4878	3965	4878	3965	4878	3965	4878	3965	4878	3965		3965
	Part number	M5H29T112IEC	M5H29T112IEC	M5H29T132IEC	M5H29T132IEC	M5H29T160IEC	M5H29T160IEC	M5H29T180IEC	M5H29T180IEC	M5H29T200IEC	M5H29T200IEC		M5H29T225IECS
25.05	Output rpm	**58**	**116**	**58**	**116**	**58**	**116**	**58**	**116**	**58**	**116**	**58**	**116**
	Class I catalog Kw	31,1	48,6	31,1	48,6	31,1	48,6	31,1	48,6	31,1	48,6		48,6
	Class I torque nM	4878	3704	4878	3704	4878	3704	4878	3704	4878	3704		3704
	Part number	M5H25T112IEC	M5H25T112IEC	M5H25T132IEC	M5H25T132IEC	M5H25T160IEC	M5H25T160IEC	M5H25T180IEC	M5H25T180IEC	M5H25T200IEC	M5H25T200IEC		M5H25T225IECS
21.35	Output rpm	**68**	**136**	**68**	**136**	**68**	**136**	**68**	**136**	**68**	**136**	**68**	**136**
	Class I catalog Kw	36,1	50,9	36,1	50,9	36,1	50,9	36,1	50,9	36,1	50,9		50,9
	Class I torque nM	4689	3288	4689	3288	4689	3288	4689	3288	4689	3288		3288
	Part number	M5H21T112IEC	M5H21T112IEC	M5H21T132IEC	M5H21T132IEC	M5H21T160IEC	M5H21T160IEC	M5H21T180IEC	M5H21T180IEC	M5H21T200IEC	M5H21T200IEC		M5H21T225IECS
17.50	Output rpm	**83**	**166**	**83**	**166**	**83**	**166**	**83**	**166**	**83**	**166**	**83**	**166**
	Class I catalog Kw	40,2	53,5	40,2	53,5	40,2	53,5	40,2	53,5	40,2	53,5	40,2	53,5
	Class I torque nM	4274	2816	4274	2816	4274	2816	4274	2816	4274	2816	4274	2816
	Part number	M5H18T112IEC	M5H18T112IEC	M5H18T132IEC	M5H18T132IEC	M5H18T160IEC	M5H18T160IEC	M5H18T180IEC	M5H18T180IEC	M5H18T200IEC	M5H18T200IEC	M5H18T225IEC	M5H18T225IECS

IEC motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.

Motorized Torque-Arm® II reducers
MTA engineering information

MTA6 kilowatt and torque ratings

MTA6307

Ratio	Motor speed	IEC 132		IEC 160		IEC 180		IEC 200		IEC225 (IECS is for smaller shaft 2 pole motors)	
		1450	2900	1450	2900	1450	2900	1450	2900	1450	2900
78.53	Output rpm	**18**	**37**	**18**	**37**	**18**	**37**	**18**	**37**	**18**	**37**
	Class I catalog Kw	14,6	28,4	14,6	28,4		28,4				
	Class I torque nM	7227	6849	7227	6849		6849				
	Part number	M6H79T132IEC	M6H79T132IEC	M6H79T160IEC	M6H79T160IEC		M6H79T180IEC				
66.92	Output rpm	**22**	**43**	**22**	**43**	**22**	**43**	**22**	**43**	**22**	**43**
	Class I catalog Kw	17,6	32,1	17,6	32,1		32,1		32,1		
	Class I torque nM	7129	6762	7129	6762		6762		6762		
	Part number	M6H67T132IEC	M6H67T132IEC	M6H67T160IEC	M6H67T160IEC		M6H67T180IEC		M6H67T200IEC		
59.05	Output rpm	**25**	**49**	**25**	**49**	**25**	**49**	**25**	**49**	**25**	**49**
	Class I catalog Kw	19,8	36,6	19,8	36,6	19,8	36,6		36,6		
	Class I torque nM	7051	6693	7051	6693	7051	6693		6693		
	Part number	M6H59T132IEC	M6H59T132IEC	M6H59T160IEC	M6H59T160IEC	M6H59T180IEC	M6H59T180IEC		M6H59T200IEC		
52.35	Output rpm	**28**	**55**	**28**	**55**	**28**	**55**	**28**	**55**	**28**	**55**
	Class I catalog Kw	22,0	40,7	22,0	40,7	22,0	40,7		40,7		
	Class I torque nM	7002	6623	7002	6623	7002	6623		6623		
	Part number	M6H52T132IEC	M6H52T132IEC	M6H52T160IEC	M6H52T160IEC	M6H52T180IEC	M6H52T180IEC		M6H52T200IEC		
50.26	Output rpm	**29**	**58**	**29**	**58**	**29**	**58**	**29**	**58**	**29**	**58**
	Class I catalog Kw	22,8	42,9	22,8	42,9	22,8	42,9		42,9		
	Class I torque nM	6982	6593	6982	6593	6982	6593		6593		
	Part number	M6H50T132IEC	M6H50T132IEC	M6H50T160IEC	M6H50T160IEC	M6H50T180IEC	M6H50T180IEC		M6H50T200IEC		
44.61	Output rpm	**33**	**65**	**33**	**65**	**33**	**65**	**33**	**65**	**33**	**65**
	Class I catalog Kw	25,4	47,4	25,4	47,4	25,4	47,4		47,4		47,4
	Class I torque nM	6912	6525	6912	6525	6912	6525		6525		6525
	Part number	M6H45T132IEC	M6H45T132IEC	M6H45T160IEC	M6H45T160IEC	M6H45T180IEC	M6H45T180IEC		M6H45T200IEC		M6H45T225IECS
39.37	Output rpm	**37**	**74**	**37**	**74**	**37**	**74**	**37**	**74**	**37**	**74**
	Class I catalog Kw	28,4	53,5	28,4	53,5	28,4	53,5		53,5		53,5
	Class I torque nM	6849	6445	6849	6445	6849	6445		6445		6445
	Part number	M6H39T132IEC	M6H39T132IEC	M6H39T160IEC	M6H39T160IEC	M6H39T180IEC	M6H39T180IEC		M6H39T200IEC		M6H39T225IECS
33.51	Output rpm	**43**	**87**	**43**	**87**	**43**	**87**	**43**	**87**	**43**	**87**
	Class I catalog Kw	32,1	61,2	32,1	61,2	32,1	61,2	32,1	61,2		61,2
	Class I torque nM	6762	6277	6762	6277	6762	6277	6762	6277		6277
	Part number	M6H34T132IEC	M6H34T132IEC	M6H34T160IEC	M6H34T160IEC	M6H34T180IEC	M6H34T180IEC	M6H34T200IEC	M6H34T200IEC		M6H34T225IECS
29.03	Output rpm	**50**	**100**	**50**	**100**	**50**	**100**	**50**	**100**	**50**	**100**
	Class I catalog Kw	37,5	68,7	37,5	68,7	37,5	68,7	37,5	68,7		68,7
	Class I torque nM	6683	6119	6683	6119	6683	6119	6683	6119		6119
	Part number	M6H29T132IEC	M6H29T132IEC	M6H29T160IEC	M6H29T160IEC	M6H29T180IEC	M6H29T180IEC	M6H29T200IEC	M6H29T200IEC		M6H29T225IECS
24.43	Output rpm	**59**	**119**	**59**	**119**	**59**	**119**	**59**	**119**	**59**	**119**
	Class I catalog Kw	43,6	79,1	43,6	79,1	43,6	79,1	43,6	79,1	43,6	79,1
	Class I torque nM	6814	5918	6814	5918	6814	5918	6814	5918	6814	5918
	Part number	M6H24T132IEC	M6H24T132IEC	M6H24T160IEC	M6H24T160IEC	M6H24T180IEC	M6H24T180IEC	M6H24T200IEC	M6H24T200IEC	M6H24T225IEC	M6H24T225IECS
22.04	Output rpm	**66**	**132**	**66**	**132**	**66**	**132**	**66**	**132**	**66**	**132**
	Class I catalog Kw	48,3	85,3	48,3	85,3	48,3	85,3	48,3	85,3	48,3	85,3
	Class I torque nM	6515	5757	6515	5757	6515	5757	6515	5757	6515	5757
	Part number	M6H22T132IEC	M6H22T132IEC	M6H22T160IEC	M6H22T160IEC	M6H22T180IEC	M6H22T180IEC	M6H22T200IEC	M6H22T200IEC	M6H22T225IEC	M6H22T225IECS
18.95	Output rpm	**77**	**153**	**77**	**153**	**77**	**153**	**77**	**153**	**77**	**153**
	Class I catalog Kw	55,2	94,7	55,2	94,7	55,2	94,7	55,2	94,7	55,2	94,7
	Class I torque nM	6415	5514	6415	5514	6415	5514	6415	5514	6415	5514
	Part number	M6H19T132IEC	M6H19T132IEC	M6H19T160IEC	M6H19T160IEC	M6H19T180IEC	M6H19T180IEC	M6H19T200IEC	M6H19T200IEC	M6H19T225IEC	M6H19T225IECS

IEC motor frames are determined using the ABB low voltage process performance motors catalog.
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Motorized Torque-Arm® II reducers
MTA engineering information

MTA7 kilowatt and torque ratings

MTA7315

Ratio	Motor speed	IEC 160		IEC 180		IEC 200		IEC225 (IECS is for smaller shaft 2 pole motors)		IEC250 (IECS is for smaller shaft 2 pole motors)		IEC280** (IECS is for smaller shaft 2 pole motors)	
		1450	2900	1450	2900	1450	2900	1450	2900	1450	2900	1450	2900
76.46	Output rpm	19	38	19	38	19	38	19	38	19	38	19	38
	Class I catalog Kw	22,7	43,7	22,7	43,7		43,7						
	Class I torque nM	10665	10079	10665	10079		10079						
	Part number	M7H76T160IEC	M7H76T160IEC	M7H76T180IEC	M7H76T180IEC		M7H76T200IEC						
66.57	Output rpm	22	44	22	44	22	44	22	44	22	44	22	44
	Class I catalog Kw	25,8	49,0	25,8	49,0		49,0		49,0				
	Class I torque nM	10527	9952	10527	9952		9952		9952				
	Part number	M7H67T160IEC	M7H67T160IEC	M7H67T180IEC	M7H67T180IEC		M7H67T200IEC		M7H67T225IECS				
57.58	Output rpm	25	50	25	50	25	50	25	50	25	50	25	50
	Class I catalog Kw	29,2	55,6	29,2	55,6		55,6		55,6		55,6		
	Class I torque nM	10426	9826	10426	9826		9826		9826		9826		
	Part number	M7H58T160IEC	M7H58T160IEC	M7H58T180IEC	M7H58T180IEC		M7H58T200IEC		M7H58T225IECS		M7H58T250IECS		
50.97	Output rpm	28	57	28	57	28	57	28	57	28	57	28	57
	Class I catalog Kw	33,2	61,9	33,2	61,9	33,2	61,9		61,9		61,9		
	Class I torque nM	10312	9710	10312	9710	10312	9710		9710		9710		
	Part number	M7H51T160IEC	M7H51T160IEC	M7H51T180IEC	M7H51T180IEC	M7H51T200IEC	M7H51T200IEC		M7H51T225IECS		M7H51T250IECS		
44.38	Output rpm	33	65	33	65	33	65	33	65	33	65	33	65
	Class I catalog Kw	37,7	70,0	37,7	70,0	37,7	70,0	37,7	70,0		70,0		
	Class I torque nM	10185	9594	10185	9594	10185	9594	10185	9594		9594		
	Part number	M7H44T160IEC	M7H44T160IEC	M7H44T180IEC	M7H44T180IEC	M7H44T200IEC	M7H44T200IEC	M7H44T225IEC	M7H44T225IECS		M7H44T250IECS		
38.39	Output rpm	38	76	38	76	38	76	38	76	38	76	38	76
	Class I catalog Kw	42,7	80,0	42,7	80,0	42,7	80,0	42,7	80,0		80,0		80,0
	Class I torque nM	10058	9414	10058	9414	10058	9414	10058	9414		9414		9414
	Part number	M7H38T160IEC	M7H38T160IEC	M7H38T180IEC	M7H38T180IEC	M7H38T200IEC	M7H38T200IEC	M7H38T225IEC	M7H38T225IECS		M7H38T250IECS		M7H38T280IECS
33.48	Output rpm	43	87	43	87	43	87	43	87	43	87	43	87
	Class I catalog Kw	48,2	89,1	48,2	89,1	48,2	89,1	48,2	89,1		89,1		89,1
	Class I torque nM	9814	9047	9814	9047	9814	9047	9814	9047		9047		9047
	Part number	M7H33T160IEC	M7H33T160IEC	M7H33T180IEC	M7H33T180IEC	M7H33T200IEC	M7H33T200IEC	M7H33T225IEC	M7H33T225IECS		M7H33T250IECS		M7H33T280IECS
28.65	Output rpm	51	101	51	101	51	101	51	101	51	101	51	101
	Class I catalog Kw	55,7	101,7	55,7	101,7	55,7	101,7	55,7	101,7	55,7	101,7		101,7
	Class I torque nM	9814	8696	9814	8696	9814	8696	9814	8696	9814	8696		8696
	Part number	M7H29T160IEC	M7H29T160IEC	M7H29T180IEC	M7H29T180IEC	M7H29T200IEC	M7H29T200IEC	M7H29T225IEC	M7H29T225IECS	M7H29T250IEC	M7H29T250IECS		M7H29T280IECS
25.66	Output rpm	57	113	57	113	57	113	57	113	57	113	57	113
	Class I catalog Kw	61,1	111,0	61,1	111,0	61,1	111,0	61,1	111,0	61,1	111,0		111,0
	Class I torque nM	9638	8398	9638	8398	9638	8398	9638	8398	9638	8398		8398
	Part number	M7H26T160IEC	M7H26T160IEC	M7H26T180IEC	M7H26T180IEC	M7H26T200IEC	M7H26T200IEC	M7H26T225IEC	M7H26T225IECS	M7H26T250IEC	M7H26T250IEC		M7H26T280IECS
21.74	Output rpm	67	133	67	133	67	133	67	133	67	133	67	133
	Class I catalog Kw	70,9		70,9		70,9		70,9		70,9			
	Class I torque nM	9560		9560		9560		9560		9560			
	Part number	M7H22T160IEC		M7H22T180IEC		M7H22T200IEC		M7H22T225IEC		M7H22T250IEC			
18.77	Output rpm	77	155	77	155	77	155	77	155	77	155	77	155
	Class I catalog Kw	80,0		80,0		80,0		80,0		80,0		80,0	
	Class I torque nM	9296		9296		9296		9296		9296		9296	
	Part number	M7H19T160IEC		M7H19T180IEC		M7H19T200IEC		M7H19T225IEC		M7H19T250IEC		M7H19T280IEC	

** IEC 280 frame adapter is designed to handle the weight of the IEC280S frame (not the 280M frame).
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Motorized Torque-Arm® II reducers
MTA engineering information

MTA8 kilowatt and torque ratings

MTA8407

Ratio	Motor speed	IEC 180		IEC 200		IEC225 (IECS is for smaller shaft 2 pole motors)		IEC250 (IECS is for smaller shaft 2 pole motors)		IEC280** (IECS is for smaller shaft 2 pole motors)	
		1450	2900	1450	2900	1450	2900	1450	2900	1450	2900
78.80	Output rpm	**18**	**37**	**18**	**37**	**18**	**37**	**18**	**37**	**18**	**37**
	Class I catalog Kw	31,4	59,1	31,4	59,1		59,1		59,1		
	Class I torque nM	15224	14416	15224	14416		14416		14416		
	Part number	M8H79T180IEC	M8H79T180IEC	M8H79T200IEC	M8H79T200IEC		M8H79T225IECS		M8H79T250IECS		
68.53	Output rpm	**21**	**42**	**21**	**42**	**21**	**42**	**21**	**42**	**21**	**42**
	Class I catalog Kw	36,0	68,0	36,0	68,0		68,0		68,0		
	Class I torque nM	15029	14265	15029	14265		14265		14265		
	Part number	M8H69T180IEC	M8H69T180IEC	M8H69T200IEC	M8H69T200IEC		M8H69T225IECS		M8H69T250IECS		
60.13	Output rpm	**24**	**48**	**24**	**48**	**24**	**48**	**24**	**48**	**24**	**48**
	Class I catalog Kw	40,1	75,9	40,1	75,9	40,1	75,9		75,9		
	Class I torque nM	14886	14073	14886	14073	14886	14073		14073		
	Part number	M8H60T180IEC	M8H60T180IEC	M8H60T200IEC	M8H60T200IEC	M8H60T225IEC	M8H60T225IECS		M8H60T250IECS		
52.53	Output rpm	**28**	**55**	**28**	**55**	**28**	**55**	**28**	**55**	**28**	**55**
	Class I catalog Kw	46,1	85,3	46,1	85,3	46,1	85,3		85,3		85,3
	Class I torque nM	14724	13905	14724	13905	14724	13905		13905		13905
	Part number	M8H53T180IEC	M8H53T180IEC	M8H53T200IEC	M8H53T200IEC	M8H53T225IEC	M8H53T225IECS		M8H53T250IECS		M8H53T280IECS
50.58	Output rpm	**29**	**57**	**29**	**57**	**29**	**57**	**29**	**57**	**29**	**57**
	Class I catalog Kw	47,0	88,4	47,0	88,4	47,0	88,4		88,4		88,4
	Class I torque nM	14709	13870	14709	13870	14709	13870		13870		13870
	Part number	M8H51T180IEC	M8H51T180IEC	M8H51T200IEC	M8H51T200IEC	M8H51T225IEC	M8H51T225IECS		M8H51T250IECS		M8H51T280IECS
45.69	Output rpm	**32**	**63**	**32**	**63**	**32**	**63**	**32**	**63**	**32**	**63**
	Class I catalog Kw	52,0	97,1	52,0	97,1	52,0	97,1		97,1		97,1
	Class I torque nM	14596	13744	14596	13744	14596	13744		13744		13744
	Part number	M8H46T180IEC	M8H46T180IEC	M8H46T200IEC	M8H46T200IEC	M8H46T225IEC	M8H46T225IECS		M8H46T250IECS		M8H46T280IECS
40.09	Output rpm	**36**	**72**	**36**	**72**	**36**	**72**	**36**	**72**	**36**	**72**
	Class I catalog Kw	59,4	109,4	59,4	109,4	59,4	109,4	59,4	109,4		109,4
	Class I torque nM	14431	13531	14431	13531	14431	13531	14431	13531		13531
	Part number	M8H40T180IEC	M8H40T180IEC	M8H40T200IEC	M8H40T200IEC	M8H40T225IEC	M8H40T225IECS	M8H40T250IEC	M8H40T250IECS		M8H40Ts280IECS
33.90	Output rpm	**43**	**86**	**43**	**86**	**43**	**86**	**43**	**86**	**43**	**86**
	Class I catalog Kw	67,9	127,7	67,9	127,7	67,9	127,7	67,9	127,7		127,7
	Class I torque nM	14212	13254	14212	13254	14212	13254	14212	13254		13254
	Part number	M8H34T180IEC	M8H34T180IEC	M8H34T200IEC	M8H34T200IEC	M8H34T225IEC	M8H34T225IECS	M8H34T250IEC	M8H34T250IECS		M8H34T280IECS
30.76	Output rpm	**47**	**94**	**47**	**94**	**47**	**94**	**47**	**94**	**47**	**94**
	Class I catalog Kw	74,3	138,3	74,3	138,3	74,3	138,3	74,3	138,3		138,3
	Class I torque nM	14116	13094	14116	13094	14116	13094	14116	13094		13094
	Part number	M8H31T180IEC	M8H31T180IEC	M8H31T200IEC	M8H31T200IEC	M8H31T225IEC	M8H31T225IECS	M8H31T250IEC	M8H31T250IECS		M8H31T280IECS
26.82	Output rpm	**54**	**108**	**54**	**108**	**54**	**108**	**54**	**108**	**54**	**108**
	Class I catalog Kw	84,0		84,0		84,0		84,0		84,0	
	Class I torque nM	13929		13929		13929		13929		13929	
	Part number	M8H27T180IEC		M8H27T200IEC		M8H27T225IEC		M8H27T250IEC		M8H27T280IEC	
22.77	Output rpm	**64**	**127**	**64**	**127**	**64**	**127**	**64**	**127**	**64**	**127**
	Class I catalog Kw	96,6		96,6		96,6		96,6		96,6	
	Class I torque nM	13719		13719		13719		13719		13719	
	Part number	M8H23T180IEC		M8H23T200IEC		M8H23T225IEC		M8H23T250IEC		M8H23T280IEC	
17.43	Output rpm	**83**	**166**	**83**	**166**	**83**	**166**	**83**	**166**	**83**	**166**
	Class I catalog Kw	124,6		124,6		124,6		124,6		124,6	
	Class I torque nM	13288		13288		13288		13288		13288	
	Part number	M8H17T180IEC		M8H17T200IEC		M8H17T225IEC		M8H17T250IEC		M8H17T280IEC	

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Motorized Torque-Arm® II reducers
Class I MTA EZ selection tables kW and speed
Class I = 1.0 service factor

kW	Output RPM	Reducer	Motor RPM
2,2	19	M2H77T100IEC	1450
	20	M2H71T100IEC	1450
	22	M2H66T100IEC	1450
	25	M2H58T100IEC	1450
	28	M2H51T100IEC	1450
	31	M2H47T100IEC	1450
	33	M2H44T100IEC	1450
	37	M2H39T100IEC	1450
	40	M2H36T100IEC	1450
	44	M2H66T100IEC	2900
	45	M2H32T100IEC	1450
	49	M2H30T100IEC	1450
	57	M2H51T100IEC	2900
	58	M2H25T100IEC	1450
	61	M2H47T100IEC	2900
	66	M2H44T100IEC	2900
	68	M2H21T100IEC	1450
	75	M2H39T100IEC	2900
	81	M2H36T100IEC	2900
	82	M2H18T100IEC	1450
	90	M2H32T100IEC	2900
	98	M2H30T100IEC	2900
	117	M2H25T100IEC	2900
	137	M2H21T100IEC	2900
	164	M2H18T100IEC	2900

kW	Output RPM	Reducer	Motor RPM
3	19	M3H76T100IEC	1450
	21	M3H70T100IEC	1450
	22	M2H66T100IEC	1450
	25	M2H58T100IEC	1450
	28	M2H51T100IEC	1450
	31	M2H47T100IEC	1450
	33	M2H44T100IEC	1450
	37	M2H39T100IEC	1450
	40	M2H36T100IEC	1450
	44	M2H66T100IEC	2900
	45	M2H32T100IEC	1450
	49	M2H30T100IEC	1450
	57	M2H51T100IEC	2900
	58	M2H25T100IEC	1450
	61	M2H47T100IEC	2900
	66	M2H44T100IEC	2900
	68	M2H21T100IEC	1450
	75	M2H39T100IEC	2900
	81	M2H36T100IEC	2900
	82	M2H18T100IEC	1450
	90	M2H32T100IEC	2900
	98	M2H30T100IEC	2900
	117	M2H25T100IEC	2900
	137	M2H21T100IEC	2900
	164	M2H18T100IEC	2900

kW	Output RPM	Reducer	Motor RPM
4	19	M3H76T112IEC	1450
	21	M3H70T112IEC	1450
	22	M3H65T112IEC	1450
	25	M3H58T112IEC	1450
	29	M3H51T112IEC	1450
	31	M2H47T112IEC	1450
	33	M2H44T112IEC	1450
	37	M2H39T112IEC	1450
	40	M2H36T112IEC	1450
	44	M2H66T132IEC	2900
	45	M2H32T132IEC	1450
	49	M2H30T132IEC	1450
	57	M2H51T132IEC	2900
	58	M2H25T132IEC	1450
	61	M2H47T132IEC	2900
	66	M2H44T132IEC	2900
	68	M2H21T132IEC	1450
	75	M2H39T132IEC	2900
	81	M2H36T132IEC	2900
	82	M2H18T132IEC	1450
	90	M2H32T132IEC	2900
	98	M2H30T160IEC	2900
	117	M2H25T160IEC	2900
	137	M2H21T160IEC	2900
	164	M2H18T160IEC	2900

kW	Output RPM	Reducer	Motor RPM
5,5	20	M4H74T132IEC	1450
	22	M4H66T132IEC	1450
	24	M4H61T132IEC	1450
	28	M4H52T132IEC	1450
	29	M3H51T132IEC	1450
	31	M3H47T132IEC	1450
	33	M3H44T132IEC	1450
	38	M3H38T132IEC	1450
	40	M2H36T132IEC	1450
	44	M2H66T132IEC	2900
	45	M2H32T132IEC	1450
	49	M2H30T132IEC	1450
	57	M2H51T132IEC	2900
	58	M2H25T132IEC	1450
	61	M2H47T132IEC	2900
	66	M2H44T132IEC	2900
	68	M2H21T132IEC	1450
	75	M2H39T132IEC	2900
	81	M2H36T132IEC	2900
	82	M2H18T132IEC	1450
	90	M2H32T132IEC	2900
	98	M2H30T132IEC	2900
	117	M2H25T132IEC	2900
	137	M2H21T132IEC	2900
	164	M2H18T132IEC	2900

kW	Output RPM	Reducer	Motor RPM
7,5	20	M5H72T132IEC	1450
	22	M4H66T132IEC	1450
	24	M4H61T132IEC	1450
	28	M4H52T132IEC	1450
	30	M4H49T132IEC	1450
	33	M4H44T132IEC	1450
	36	M4H41T132IEC	1450
	38	M3H38T132IEC	1450
	41	M3H35T132IEC	1450
	44	M3H65T132IEC	2900
	46	M3H32T132IEC	1450
	50	M3H29T132IEC	1450
	57	M3H51T132IEC	2900
	58	M2H25T132IEC	1450
	61	M2H47T132IEC	2900
	66	M2H44T132IEC	2900
	68	M2H21T132IEC	1450
	75	M2H39T132IEC	2900
	81	M2H36T132IEC	2900
	82	M2H18T132IEC	1450
	90	M2H32T132IEC	2900
	98	M2H30T132IEC	2900
	117	M2H25T132IEC	2900
	137	M2H21T132IEC	2900
	164	M2H18T132IEC	2900

kW	Output RPM	Reducer	Motor RPM
11	20	M5H72T160IEC	1450
	22	M5H65T160IEC	1450
	24	M5H60T160IEC	1450
	29	M5H51T160IEC	1450
	30	M5H48T160IEC	1450
	33	M4H44T160IEC	1450
	36	M4H41T160IEC	1450
	39	M4H74T160IEC	2900
	42	M4H34T160IEC	1450
	44	M4H66T160IEC	2900
	48	M4H61T160IEC	2900
	48	M4H30T160IEC	1450
	56	M4H52T160IEC	2900
	57	M4H26T160IEC	1450
	59	M3H25T160IEC	1450
	62	M3H47T160IEC	2900
	67	M3H44T160IEC	2900
	69	M3H21T160IEC	1450
	76	M3H38T160IEC	2900
	82	M3H35T160IEC	2900
	83	M3H17T160IEC	1450
	91	M3H32T160IEC	2900
	98	M2H30T160IEC	2900
	117	M2H25T160IEC	2900
	137	M2H21T160IEC	2900
	164	M2H18T160IEC	2900

Motorized Torque-Arm® II reducers
Class I MTA EZ selection tables kW and speed
Class I = 1.0 service factor

kW	Output RPM	Reducer	Motor RPM
15	19	M7H76T160IEC	1450
	22	M6H67T160IEC	1450
	25	M6H59T160IEC	1450
	28	M6H52T160IEC	1450
	29	M5H51T160IEC	1450
	30	M5H48T160IEC	1450
	34	M5H43T160IEC	1450
	36	M5H40T160IEC	1450
	40	M5H72T160IEC	2900
	43	M5H34T160IEC	1450
	45	M5H65T160IEC	2900
	48	M4H61T160IEC	2900
	48	M4H30T160IEC	1450
	56	M4H52T160IEC	2900
	57	M4H26T160IEC	1450
	59	M4H49T160IEC	2900
	66	M4H44T160IEC	2900
	66	M4H22T160IEC	1450
	71	M4H41T160IEC	2900
	81	M4H18T160IEC	1450
	82	M3H35T160IEC	2900
	83	M3H17T160IEC	1450
	91	M3H32T160IEC	2900
	99	M3H29T160IEC	2900
	118	M3H25T160IEC	2900
	138	M3H21T160IEC	2900
	164	M2H18T160IEC	2900

kW	Output RPM	Reducer	Motor RPM
18,5	19	M7H76T180IEC	1450
	22	M7H67T180IEC	1450
	25	M6H59T180IEC	1450
	28	M6H52T180IEC	1450
	29	M6H50T180IEC	1450
	33	M6H45T180IEC	1450
	34	M5H43T180IEC	1450
	36	M5H40T180IEC	1450
	40	M5H72T160IEC	2900
	43	M5H34T180IEC	1450
	45	M5H65T160IEC	2900
	49	M5H60T160IEC	2900
	49	M5H29T180IEC	1450
	57	M5H51T160IEC	2900
	58	M5H25T180IEC	1450
	60	M5H48T160IEC	2900
	66	M4H44T160IEC	2900
	66	M4H22T180IEC	1450
	71	M4H41T160IEC	2900
	81	M4H18T180IEC	1450
	84	M4H34T160IEC	2900
	97	M4H30T160IEC	2900
	113	M4H26T160IEC	2900
	118	M3H25T160IEC	2900
	138	M3H21T160IEC	2900
	166	M3H17T160IEC	2900

kW	Output RPM	Reducer	Motor RPM
22	19	M7H76T180IEC	1450
	22	M7H67T180IEC	1450
	25	M7H58T180IEC	1450
	28	M7H51T180IEC	1450
	29	M6H50T180IEC	1450
	33	M6H45T180IEC	1450
	37	M6H79T180IEC	2900
	37	M6H39T180IEC	1450
	40	M5H72T180IEC	2900
	43	M5H34T180IEC	1450
	45	M5H65T180IEC	2900
	49	M5H60T180IEC	2900
	49	M5H29T180IEC	1450
	57	M5H51T180IEC	2900
	58	M5H25T180IEC	1450
	60	M5H48T180IEC	2900
	67	M5H43T180IEC	2900
	68	M5H21T180IEC	1450
	73	M5H40T180IEC	2900
	81	M4H18T180IEC	1450
	84	M4H34T180IEC	2900
	97	M4H30T180IEC	2900
	113	M4H26T180IEC	2900
	133	M4H22T180IEC	2900
	162	M4H18T180IEC	2900

kW	Output RPM	Reducer	Motor RPM
30	18	M8H79T200IEC	1450
	21	M8H69T200IEC	1450
	24	M8H60T200IEC	1450
	28	M7H51T200IEC	1450
	33	M7H44T200IEC	1450
	38	M7H76T200IEC	2900
	38	M7H38T200IEC	1450
	43	M6H67T200IEC	2900
	43	M6H34T200IEC	1450
	49	M6H59T200IEC	2900
	50	M6H29T200IEC	1450
	55	M6H52T200IEC	2900
	57	M5H51T200IEC	2900
	58	M5H25T200IEC	1450
	60	M5H48T200IEC	2900
	67	M5H43T200IEC	2900
	68	M5H21T200IEC	1450
	73	M5H40T200IEC	2900
	83	M5H18T200IEC	1450
	86	M5H34T200IEC	2900
	99	M5H29T200IEC	2900
	116	M5H25T200IEC	2900
	133	M4H22T200IEC	2900
	162	M4H18T200IEC	2900

kW	Output RPM	Reducer	Motor RPM
37	24	M8H60T225IEC	1450
	28	M8H53T225IEC	1450
	29	M8H51T225IEC	1450
	32	M8H46T225IEC	1450
	36	M8H40T225IEC	1450
	37	M8H79T200IEC	2900
	38	M7H76T200IEC	2900
	38	M7H38T225IEC	1450
	44	M7H67T200IEC	2900
	43	M7H33T225IEC	1450
	50	M7H58T200IEC	2900
	51	M7H29T225IEC	1450
	55	M6H52T200IEC	2900
	58	M6H50T200IEC	2900
	59	M6H24T225IEC	1450
	65	M6H45T200IEC	2900
	66	M6H22T225IEC	1450
	73	M5H40T200IEC	2900
	83	M5H18T225IEC	1450
	86	M5H34T200IEC	2900
	99	M5H29T200IEC	2900
	116	M5H25T200IEC	2900
	136	M5H21T200IEC	2900
	162	M4H18T200IEC	2900

kW	Output RPM	Reducer	Motor RPM
45	28	M8H53T225IEC	1450
	29	M8H51T225IEC	1450
	32	M8H46T225IEC	1450
	36	M8H40T225IEC	1450
	37	M8H79T225IECS	2900
	42	M8H69T225IECS	2900
	43	M8H34T225IEC	1450
	44	M7H67T225IECS	2900
	43	M7H33T225IEC	1450
	50	M7H58T225IECS	2900
	51	M7H29T225IEC	1450
	57	M7H51T225IECS	2900
	57	M7H26T225IEC	1450
	65	M6H45T225IECS	2900
	66	M6H22T225IEC	1450
	74	M6H39T225IECS	2900
	77	M6H19T225IEC	1450
	87	M6H34T225IECS	2900
	100	M6H29T225IECS	2900
	116	M5H25T225IECS	2900
	136	M5H21T225IECS	2900
	166	M5H18T225IECS	2900

kW	Output RPM	Reducer	Motor RPM
55	36	M8H40T250IEC	1450
	37	M8H79T250IECS	2900
	42	M8H69T250IECS	2900
	43	M8H34T250IEC	1450
	47	M8H31T250IEC	1450
	48	M8H60T250IECS	2900
	50	M7H58T250IECS	2900
	51	M7H29T250IEC	1450
	57	M7H51T250IECS	2900
	57	M7H26T250IEC	1450
	65	M7H44T250IECS	2900
	67	M7H22T250IEC	1450
	76	M7H38T250IECS **	2900
	77	M7H19T250IEC **	1450
	87	M7H33T250IECS **	2900
	101	M7H29T250IECS **	2900
	113	M7H26T250IECS **	2900

kW	Output RPM	Reducer	Motor RPM
75	54	M8H27T280IEC **	1450
	55	M8H53T280IECS **	2900
	57	M8H51T280IECS **	2900
	63	M8H46T280IECS **	2900
	64	M8H23T280IEC **	1450
	72	M8H40T280IECS **	2900
	76	M7H38T280IECS **	2900
	77	M7H19T280IEC **	1450
	87	M7H33T280IECS **	2900
	101	M7H29T280IECS **	2900
	113	M7H26T280IECS **	2900

** IEC 280 frame adapter is designed to handle the weight of the IEC280S frame (not the 280M frame)

Motorized Torque-Arm® II reducers
Class II MTA EZ selection tables kW and speed
Class II = 1.4 service factor

kW	Output RPM	Reducer	Motor RPM
1,5	19	M2H77T90IEC	1450
	20	M2H71T90IEC	1450
	22	M2H66T90IEC	1450
	25	M2H58T90IEC	1450
	28	M2H51T90IEC	1450
	31	M2H47T90IEC	1450
	33	M2H44T90IEC	1450
	37	M2H39T90IEC	1450
	40	M2H36T90IEC	1450
	44	M2H66T90IEC	2900
	45	M2H32T90IEC	1450
	49	M2H30T90IEC	1450
	57	M2H51T90IEC	2900
	58	M2H25T90IEC	1450
	61	M2H47T90IEC	2900
	66	M2H44T90IEC	2900
	68	M2H21T90IEC	1450
	75	M2H39T90IEC	2900
	81	M2H36T90IEC	2900
	82	M2H18T90IEC	1450
	90	M2H32T90IEC	2900
	98	M2H30T90IEC	2900
	117	M2H25T90IEC	2900
	137	M2H21T90IEC	2900
	164	M2H18T90IEC	2900

kW	Output RPM	Reducer	Motor RPM
2,2	19	M3H76T100IEC	1450
	21	M3H70T100IEC	1450
	22	M2H66T100IEC	1450
	25	M2H58T100IEC	1450
	28	M2H51T100IEC	1450
	31	M2H47T100IEC	1450
	33	M2H44T100IEC	1450
	37	M2H39T100IEC	1450
	40	M2H36T100IEC	1450
	44	M2H66T100IEC	2900
	45	M2H32T100IEC	1450
	49	M2H30T100IEC	1450
	57	M2H51T100IEC	2900
	58	M2H25T100IEC	1450
	61	M2H47T100IEC	2900
	66	M2H44T100IEC	2900
	68	M2H21T100IEC	1450
	75	M2H39T100IEC	2900
	81	M2H36T100IEC	2900
	82	M2H18T100IEC	1450
	90	M2H32T100IEC	2900
	98	M2H30T100IEC	2900
	117	M2H25T100IEC	2900
	137	M2H21T100IEC	2900
	164	M2H18T100IEC	2900

kW	Output RPM	Reducer	Motor RPM
3	19	M3H76T100IEC	1450
	21	M3H70T100IEC	1450
	22	M3H65T100IEC	1450
	25	M3H58T100IEC	1450
	29	M3H51T100IEC	1450
	31	M2H47T100IEC	1450
	33	M2H44T100IEC	1450
	37	M2H39T100IEC	1450
	40	M2H36T100IEC	1450
	44	M2H66T100IEC	2900
	45	M2H32T100IEC	1450
	49	M2H30T100IEC	1450
	57	M2H51T100IEC	2900
	58	M2H25T100IEC	1450
	61	M2H47T100IEC	2900
	66	M2H44T100IEC	2900
	68	M2H21T100IEC	1450
	75	M2H39T100IEC	2900
	81	M2H36T100IEC	2900
	82	M2H18T100IEC	1450
	90	M2H32T100IEC	2900
	98	M2H30T100IEC	2900
	117	M2H25T100IEC	2900
	137	M2H21T100IEC	2900
	164	M2H18T100IEC	2900

kW	Output RPM	Reducer	Motor RPM
4	20	M4H74T112IEC	1450
	22	M4H66T112IEC	1450
	24	M4H61T132IEC	1450
	28	M4H52T132IEC	1450
	29	M3H51T112IEC	1450
	31	M3H47T112IEC	1450
	33	M3H44T112IEC	1450
	38	M3H38T112IEC	1450
	40	M2H36T112IEC	1450
	44	M2H66T112IEC	2900
	45	M2H32T112IEC	1450
	49	M2H30T112IEC	1450
	57	M2H51T112IEC	2900
	58	M2H25T112IEC	1450
	61	M2H47T112IEC	2900
	66	M2H44T112IEC	2900
	68	M2H21T112IEC	1450
	75	M2H39T112IEC	2900
	81	M2H36T112IEC	2900
	82	M2H18T112IEC	1450
	90	M2H32T112IEC	2900
	98	M2H30T112IEC	2900
	117	M2H25T112IEC	2900
	137	M2H21T112IEC	2900
	164	M2H18T112IEC	2900

kW	Output RPM	Reducer	Motor RPM
5,5	20	M5H72T132IEC	1450
	22	M5H65T132IEC	1450
	24	M4H61T132IEC	1450
	28	M4H52T132IEC	1450
	30	M4H49T132IEC	1450
	33	M4H44T132IEC	1450
	36	M4H41T132IEC	1450
	38	M3H38T132IEC	1450
	41	M3H35T132IEC	1450
	44	M3H65T132IEC	2900
	46	M3H32T132IEC	1450
	50	M3H29T132IEC	1450
	57	M3H51T132IEC	2900
	59	M3H25T132IEC	1450
	61	M2H47T132IEC	2900
	66	M2H44T132IEC	2900
	68	M2H21T132IEC	1450
	75	M2H39T132IEC	2900
	81	M2H36T132IEC	2900
	82	M2H18T132IEC	1450
	90	M2H32T132IEC	2900
	98	M2H30T132IEC	2900
	117	M2H25T132IEC	2900
	137	M2H21T132IEC	2900
	164	M2H18T132IEC	2900

kW	Output RPM	Reducer	Motor RPM
7,5	18	M6H79T132IEC	1450
	20	M5H72T132IEC	1450
	22	M5H65T132IEC	1450
	24	M5H60T132IEC	1450
	29	M5H51T132IEC	1450
	30	M5H48T132IEC	1450
	33	M4H44T132IEC	1450
	36	M4H41T132IEC	1450
	39	M4H74T132IEC	2900
	42	M4H34T132IEC	1450
	44	M4H66T132IEC	2900
	48	M4H61T132IEC	2900
	48	M4H30T132IEC	1450
	56	M4H52T132IEC	2900
	57	M3H51T132IEC	2900
	59	M3H25T132IEC	1450
	62	M3H47T132IEC	2900
	67	M3H44T132IEC	2900
	69	M3H21T132IEC	1450
	76	M3H38T132IEC	2900
	82	M3H35T132IEC	2900
	83	M3H17T132IEC	1450
	90	M2H32T132IEC	2900
	98	M2H30T132IEC	2900
	117	M2H25T132IEC	2900
	137	M2H21T132IEC	2900
	164	M2H18T132IEC	2900

Motorized Torque-Arm® II reducers
Class II MTA EZ selection tables kW and speed
Class II = 1.4 service factor

kW	Output RPM	Reducer	Motor RPM
11	19	M7H76T160IEC	1450
	22	M6H67T160IEC	1450
	25	M6H59T160IEC	1450
	28	M6H52T160IEC	1450
	29	M5H51T160IEC	1450
	30	M5H48T160IEC	1450
	34	M5H43T160IEC	1450
	36	M5H40T160IEC	1450
	40	M5H72T160IEC	2900
	43	M5H34T160IEC	1450
	45	M5H65T160IEC	2900
	49	M5H60T160IEC	2900
	49	M5H29T160IEC	1450
	56	M4H52T160IEC	2900
	57	M4H26T160IEC	1450
	59	M4H49T160IEC	2900
	66	M4H44T160IEC	2900
	66	M4H22T160IEC	1450
	71	M4H41T160IEC	2900
	81	M4H18T160IEC	1450
	82	M3H35T160IEC	2900
	83	M3H17T160IEC	1450
	91	M3H32T160IEC	2900
	99	M3H29T160IEC	2900
	118	M3H25T160IEC	2900
	138	M3H21T160IEC	2900
	164	M2H18T160IEC	2900

kW	Output RPM	Reducer	Motor RPM
15	19	M7H76T160IEC	1450
	22	M7H67T160IEC	1450
	25	M7H58T160IEC	1450
	28	M6H52T160IEC	1450
	29	M6H50T160IEC	1450
	33	M6H45T160IEC	1450
	37	M6H79T160IEC	2900
	37	M6H39T160IEC	1450
	40	M5H72T160IEC	2900
	43	M5H34T160IEC	1450
	45	M5H65T160IEC	2900
	49	M5H60T160IEC	2900
	49	M5H29T160IEC	1450
	57	M5H51T160IEC	2900
	58	M5H25T160IEC	1450
	60	M5H48T160IEC	2900
	67	M5H43T160IEC	2900
	68	M5H21T160IEC	1450
	71	M4H41T160IEC	2900
	81	M4H18T160IEC	1450
	84	M4H34T160IEC	2900
	97	M4H30T160IEC	2900
	113	M4H26T160IEC	2900
	133	M4H22T180IEC	2900
	138	M3H21T160IEC	2900
	166	M3H17T160IEC	2900

kW	Output RPM	Reducer	Motor RPM
18,5	18	M8H79T180IEC	1450
	21	M8H69T180IEC	1450
	25	M7H58T180IEC	1450
	28	M7H51T180IEC	1450
	33	M7H44T180IEC	1450
	37	M6H79T160IEC	2900
	37	M6H39T180IEC	1450
	43	M6H67T160IEC	2900
	43	M6H34T180IEC	1450
	49	M5H60T160IEC	2900
	49	M5H29T180IEC	1450
	57	M5H51T160IEC	2900
	58	M5H25T180IEC	1450
	60	M5H48T160IEC	2900
	67	M5H43T160IEC	2900
	68	M5H21T180IEC	1450
	73	M5H40T160IEC	2900
	83	M5H18T180IEC	1450
	86	M5H34T160IEC	2900
	97	M4H30T160IEC	2900
	113	M4H26T160IEC	2900
	133	M4H22T160IEC	2900
	162	M4H18T160IEC	2900

kW	Output RPM	Reducer	Motor RPM
22	21	M8H69T180IEC	1450
	24	M8H60T180IEC	1450
	28	M7H51T180IEC	1450
	33	M7H44T180IEC	1450
	38	M7H76T180IEC	2900
	38	M7H38T180IEC	1450
	43	M6H67T180IEC	2900
	43	M6H34T180IEC	1450
	49	M6H59T180IEC	2900
	50	M6H29T180IEC	1450
	55	M6H52T180IEC	2900
	58	M5H25T180IEC	1450
	60	M5H48T180IEC	2900
	67	M5H43T180IEC	2900
	68	M5H21T180IEC	1450
	73	M5H40T180IEC	2900
	83	M5H18T180IEC	1450
	86	M5H34T180IEC	2900
	99	M5H29T180IEC	2900
	116	M5H25T180IEC	2900
	133	M4H22T180IEC	2900
	162	M4H18T180IEC	2900

kW	Output RPM	Reducer	Motor RPM
30	28	M8H53T200IEC	1450
	29	M8H51T200IEC	1450
	32	M8H46T200IEC	1450
	36	M8H40T200IEC	1450
	37	M8H79T200IEC	2900
	38	M7H76T200IEC	2900
	38	M7H38T200IEC	1450
	44	M7H67T200IEC	2900
	43	M7H33T200IEC	1450
	50	M7H58T200IEC	2900
	51	M7H29T200IEC	1450
	57	M7H51T200IEC	2900
	57	M7H26T200IEC	1450
	58	M6H50T200IEC	2900
	59	M6H24T200IEC	1450
	65	M6H45T200IEC	2900
	66	M6H22T200IEC	1450
	74	M6H39T200IEC	2900
	77	M6H19T200IEC	1450
	87	M6H34T200IEC	2900
	99	M5H29T200IEC	2900
	116	M5H25T200IEC	2900
	136	M5H21T200IEC	2900
	166	M5H18T200IEC	2900

kW	Output RPM	Reducer	Motor RPM
37	36	M8H40T225IEC	1450
	37	M8H79T200IEC	2900
	42	M8H69T200IEC	2900
	43	M8H34T225IEC	1450
	47	M8H31T225IEC	1450
	48	M8H60T200IEC	2900
	50	M7H58T200IEC	2900
	51	M7H29T225IEC	1450
	57	M7H51T200IEC	2900
	57	M7H26T225IEC	1450
	65	M7H44T200IEC	2900
	67	M7H22T225IEC	1450
	74	M6H39T200IEC	2900
	77	M6H19T225IEC	1450
	87	M6H34T200IEC	2900
	100	M6H29T200IEC	2900
	119	M6H24T200IEC	2900
	132	M6H22T200IEC	2900
	166	M5H18T200IEC	2900

kW	Output RPM	Reducer	Motor RPM
45	42	M8H69T225IECS	2900
	43	M8H34T225IEC	1450
	47	M8H31T225IEC	1450
	48	M8H60T225IECS	2900
	54	M8H27T225IEC	1450
	55	M8H53T225IECS	2900
	57	M8H51T225IECS	2900
	63	M8H46T225IECS	2900
	64	M8H23T225IEC	1450
	65	M7H44T225IECS	2900
	67	M7H22T225IEC	1450
	76	M7H38T225IECS	2900
	77	M7H19T225IEC	1450
	87	M7H33T225IECS	2900
	100	M6H29T225IECS	2900
	119	M6H24T225IECS	2900
	132	M6H22T225IECS	2900

kW	Output RPM	Reducer	Motor RPM
55	54	M8H27T250IEC	1450
	55	M8H53T250IECS	2900
	57	M8H51T250IECS	2900
	63	M8H46T250IECS	2900
	64	M8H23T250IEC	1450
	72	M8H40T250IECS	2900
	77	M7H19T250IECS	1450
	87	M7H33T250IECS	2900
	101	M7H29T250IECS	2900
	113	M7H26T250IECS	2900

kW	Output RPM	Reducer	Motor RPM
75	72	M8H40T280IECS **	2900
	83	M8H17T280IEC **	1450
	86	M8H34T280IECS **	2900
	94	M8H31T280IECS **	2900
	113	M7H26T280IECS **	2900

** IEC 280 frame adapter is designed to handle the weight of the IEC280S frame (not the 280M frame)

Motorized Torque-Arm® II reducers
MTA EZ selection tables

MTA2115H Class I, 1.0 Service factor

Output rpm	Ratio	Class 1 motor KW	Motor speed	Part number	Service factor
19	76.96	2,2	1450	M2H77T100IEC	1,22
20	71.18	2,2	1450	M2H71T100IEC	1,30
22	66.07	3	1450	M2H66T100IEC	1,05
25	58.29	3	1450	M2H58T100IEC	1,09
28	51.31	3	1450	M2H51T100IEC	1,33
31	47.45	4	1450	M2H47T112IEC	1,10
33	44.05	4	1450	M2H44T112IEC	1,18
37	38.86	4	1450	M2H39T112IEC	1,31
40	35.88	5,5	1450	M2H36T132IEC	1,03
44	66.07	5,5	2900	M2H66T132IEC	1,12
45	32.15	5,5	1450	M2H32T132IEC	1,14
49	29.64	5,5	1450	M2H30T132IEC	1,22
57	51.31	5,5	2900	M2H51T132IEC	1,40
58	24.87	7,5	1450	M2H25T132IEC	1,04
61	47.45	7,5	2900	M2H47T132IEC	1,08
66	44.05	7,5	2900	M2H44T132IEC	1,15
68	21.22	7,5	1450	M2H21T132IEC	1,18
75	38.86	7,5	2900	M2H39T132IEC	1,26
81	35.88	7,5	2900	M2H36T132IEC	1,34
82	17.68	7,5	1450	M2H18T132IEC	1,36
90	32.15	7,5	2900	M2H32T132IEC	1,47
98	29.64	11	2900	M2H30T160IEC	1,06
117	24.87	11	2900	M2H25T160IEC	1,19
137	21.22	11	2900	M2H21T160IEC	1,32
164	17.68	15	2900	M2H18T160IEC	1,12

MTA2115H Class II, 1.4 Service factor

Output rpm	Ratio	Class 2 motor KW	Motor speed	Part number	Service factor
19	76.96	1,5	1450	M2H77T90IEC	1.79
20	71.18	1,5	1450	M2H71T90IEC	1.91
22	66.07	2,2	1450	M2H66T100IEC	1.44
25	58.29	2,2	1450	M2H58T100IEC	1.49
28	51.31	2,2	1450	M2H51T100IEC	1.81
31	47.45	3	1450	M2H47T100IEC	1.47
33	44.05	3	1450	M2H44T100IEC	1.57
37	38.86	3	1450	M2H39T100IEC	1.74
40	35.88	4	1450	M2H36T112IEC	1.41
44	66.07	4	2900	M2H66T112IEC	1.54
45	32.15	4	1450	M2H32T112IEC	1.57
49	29.64	4	1450	M2H30T112IEC	1.68
57	51.31	4	2900	M2H51T112IEC	1.92
58	24.87	4	1450	M2H25T112IEC	1.95
61	47.45	5,5	2900	M2H47T132IEC	1.48
66	44.05	5,5	2900	M2H44T132IEC	1.57
68	21.22	5,5	1450	M2H21T132IEC	1.61
75	38.86	5,5	2900	M2H39T132IEC	1.72
81	35.88	5,5	2900	M2H36T132IEC	1.83
82	17.68	5,5	1450	M2H18T132IEC	1.86
90	32.15	7,5	2900	M2H32T132IEC	1.47
98	29.64	7,5	2900	M2H30T132IEC	1.55
117	24.87	7,5	2900	M2H25T132IEC	1.75
137	21.22	7,5	2900	M2H21T132IEC	1.94
164	17.68	11	2900	M2H18T160IEC	1.53

* Consult Dodge engineering for thermal considerations of application.
IEC motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.

Motorized Torque-Arm® II reducers
MTA EZ selection tables

MTA3203H Class I, 1.0 Service factor

Output rpm	Ratio	Class 1 motor KW	Motor speed	Part number	Service factor
19	76.02	4	1450	M3H76T112IEC	1.09
21	70.30	4	1450	M3H70T112IEC	1.16
22	65.26	4	1450	M3H65T112IEC	1.19
25	57.58	4	1450	M3H58T112IEC	1.38
29	50.68	5,5	1450	M3H51T132IEC	1.16
31	46.87	5,5	1450	M3H47T132IEC	1.23
33	43.51	5,5	1450	M3H44T132IEC	1.32
38	38.39	7,5	1450	M3H38T132IEC	1.08
41	35.44	7,5	1450	M3H35T132IEC	1.17
44	65.26	7,5	2900	M3H65T132IEC	1.22
46	31.75	7,5	1450	M3H32T132IEC	1.27
50	29.28	7,5	1450	M3H29T132IEC	1.36
57	50.68	7,5	2900	M3H51T132IEC	1.48
59	24.57	11	1450	M3H25T160IEC	1.06
62	46.87	11	2900	M3H47T160IEC	1.12
67	43.51	11	2900	M3H44T160IEC	1.19
69	20.96	11	1450	M3H21T160IEC	1.21
76	38.39	11	2900	M3H38T160IEC	1.32
82	35.44	15	2900	M3H35T160IEC	1.03
83	17.46	15	1450	M3H17T160IEC	1.04
91	31.75	15	2900	M3H32T160IEC	1.12
99	29.28	15	2900	M3H29T160IEC	1.20
118	24.57	18,5	2900	M3H25T160IEC	1.11
138	20.96	18,5	2900	M3H21T160IEC	1.24
166	17.46	18,5	2900	M3H17T160IEC	1.39

MTA3203H Class II, 1.4 Service factor

Output rpm	Ratio	Class 2 motor KW	Motor speed	Part number	Service factor
19	76.02	3	1450	M3H76T100IEC	1.45
21	70.30	3	1450	M3H70T100IEC	1.55
22	65.26	3	1450	M3H65T100IEC	1.59
25	57.58	3	1450	M3H58T100IEC	1.84
29	50.68	4	1450	M3H51T112IEC	1.59
31	46.87	4	1450	M3H47T112IEC	1.69
33	43.51	4	1450	M3H44T112IEC	1.82
38	38.39	5,5	1450	M3H38T132IEC	1.48
41	35.44	5,5	1450	M3H35T132IEC	1.60
44	65.26	5,5	2900	M3H65T132IEC	1.67
46	31.75	5,5	1450	M3H32T132IEC	1.73
50	29.28	5,5	1450	M3H29T132IEC	1.86
57	50.68	7,5	2900	M3H51T132IEC	1.48
59	24.57	7,5	1450	M3H25T132IEC	1.56
62	46.87	7,5	2900	M3H47T132IEC	1.64
67	43.51	7,5	2900	M3H44T132IEC	1.74
69	20.96	7,5	1450	M3H21T132IEC	1.77
76	38.39	7,5	2900	M3H38T132IEC	1.94
82	35.44	11	2900	M3H35T160IEC	1.40
83	17.46	11	1450	M3H17T160IEC	1.42
91	31.75	11	2900	M3H32T160IEC	1.52
99	29.28	11	2900	M3H29T160IEC	1.64
118	24.57	11	2900	M3H25T160IEC	1.87
138	20.96	15	2900	M3H21T160IEC	1.53
166	17.46	15	2900	M3H17T160IEC	1.72

IEC motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.

Motorized Torque-Arm® II reducers
MTA EZ selection tables

MTA4207H Class I, 1.0 Service factor

Output rpm	Ratio	Class 1 motor KW	Motor speed	Part number	Service factor
20	73.57	5,5	1450	M4H74T132IEC	1.33
22	66.17	7,5	1450	M4H66T132IEC	1.06
24	61.04	7,5	1450	M4H61T132IEC	1.14
28	51.72	7,5	1450	M4H52T132IEC	1.31
30	49.04	7,5	1450	M4H49T132IEC	1.40
33	44.11	11	1450	M4H44T160IEC	1.03
36	40.70	11	1450	M4H41T160IEC	1.11
39	73.57	11	2900	M4H74T160IEC	1.19
42	34.48	11	1450	M4H34T160IEC	1.27
44	66.17	11	2900	M4H66T160IEC	1.32
48	61.04	15	2900	M4H61T160IEC	1.05
48	30.05	15	1450	M4H30T160IEC	1.05
56	51.72	15	2900	M4H52T160IEC	1.19
57	25.57	15	1450	M4H26T160IEC	1.21
59	49.04	15	2900	M4H49T160IEC	1.24
66	44.11	18,5	2900	M4H44T160IEC	1.11
66	21.82	18,5	1450	M4H22T180IEC	1.11
71	40.70	18,5	2900	M4H41T160IEC	1.19
81	17.89	22	1450	M4H18T180IEC	1.11
84	34.48	22	2900	M4H34T180IEC	1.15
97	30.05	22	2900	M4H30T180IEC	1.30
113	25.57	22	2900	M4H26T180IEC	1.44
133	21.82	30	2900	M4H22T200IEC	1.17
162	17.89	37	2900	M4H18T200IEC	1.08

MTA4207H Class II, 1.4 Service factor

Output rpm	Ratio	Class 2 motor KW	Motor speed	Part number	Service factor
20	73.57	4	1450	M4H74T112IEC	1.83
22	66.17	4	1450	M4H66T112IEC	1.99
24	61.04	5,5	1450	M4H61T132IEC	1.56
28	51.72	5,5	1450	M4H52T132IEC	1.79
30	49.04	5,5	1450	M4H49T132IEC	1.90
33	44.11	7,5	1450	M4H44T132IEC	1.51
36	40.70	7,5	1450	M4H41T132IEC	1.63
39	73.57	7,5	2900	M4H74T132IEC	1.75
42	34.48	7,5	1450	M4H34T132IEC	1.87
44	66.17	7,5	2900	M4H66T132IEC	1.94
48	61.04	7,5	2900	M4H61T132IEC	2.09
48	30.05	7,5	1450	M4H30T132IEC	2.09
56	51.72	11	2900	M4H52T160IEC	1.63
57	25.57	11	1450	M4H26T160IEC	1.65
59	49.04	11	2900	M4H49T160IEC	1.70
66	44.11	11	2900	M4H44T160IEC	1.87
66	21.82	11	1450	M4H22T160IEC	1.87
71	40.70	15	2900	M4H41T160IEC	1.46
81	17.89	15	1450	M4H18T160IEC	1.63
84	34.48	15	2900	M4H34T160IEC	1.69
97	30.05	18,5	2900	M4H30T160IEC	1.54
113	25.57	18,5	2900	M4H26T160IEC	1.71
133	21.82	22	2900	M4H22T180IEC	1.59
162	17.89	22	2900	M4H18T180IEC	1.82

IEC motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.

Motorized Torque-Arm® II reducers
MTA EZ selection tables

MTA5215H Class I, 1.0 Service factor

Output rpm	Ratio	Class 1 motor KW	Motor speed	Part number	Service factor
20	71.98	11	1450	M5H72T160IEC	1.07
22	64.74	11	1450	M5H65T160IEC	1.15
24	59.73	11	1450	M5H60T160IEC	1.28
29	50.61	15	1450	M5H51T160IEC	1.12
30	47.99	15	1450	M5H48T160IEC	1.15
34	43.16	18,5	1450	M5H43T180IEC	1.05
36	39.82	18,5	1450	M5H40T180IEC	1.09
40	71.98	22	2900	M5H72T180IEC	1.01
43	33.74	22	1450	M5H34T180IEC	1.09
45	64.74	22	2900	M5H65T180IEC	1.13
49	59.73	22	2900	M5H60T180IEC	1.23
49	29.41	22	1450	M5H29T180IEC	1.22
57	50.61	30	2900	M5H51T200IEC	1.03
58	25.05	30	1450	M5H25T200IEC	1.04
60	47.99	30	2900	M5H48T200IEC	1.07
67	43.16	30	2900	M5H43T200IEC	1.19
68	21.35	30	1450	M5H21T200IEC	1.20
73	39.82	37	2900	M5H40T200IEC	1.02
83	17.50	37	1450	M5H18T225IEC	1.09
86	33.74	37	2900	M5H34T225IEC	1.11
99	29.41	37	2900	M5H29T225IEC	1.21
116	25.05	45*	2900	M5H25T225IEC	1.08
136	21.35	45*	2900	M5H21T225IEC	1.13
166	17.50	45*	2900	M5H18T225IEC	1.19

MTA5215H Class II, 1.4 Service factor

Output rpm	Ratio	Class 2 motor KW	Motor speed	Part number	Service factor
20	71.98	7,5	1450	M5H72T132IEC	1.57
22	64.74	7,5	1450	M5H65T132IEC	1.68
24	59.73	7,5	1450	M5H60T132IEC	1.87
29	50.61	11	1450	M5H51T160IEC	1.52
30	47.99	11	1450	M5H48T160IEC	1.57
34	43.16	11	1450	M5H43T160IEC	1.77
36	39.82	11	1450	M5H40T160IEC	1.83
40	71.98	15	2900	M5H72T160IEC	1.48
43	33.74	15	1450	M5H34T160IEC	1.60
45	64.74	15	2900	M5H65T160IEC	1.66
49	59.73	18,5	2900	M5H60T160IEC	1.81
49	29.41	18,5	1450	M5H29T180IEC	1.79
57	50.61	18,5	2900	M5H51T180IEC	2.07
58	25.05	22	1450	M5H25T180IEC	1.42
60	47.99	22	2900	M5H48T180IEC	1.46
67	43.16	22	2900	M5H43T180IEC	1.62
68	21.35	22	1450	M5H21T180IEC	1.64
73	39.82	22	2900	M5H40T180IEC	1.72
83	17.50	22	1450	M5H18T180IEC	1.83
86	33.74	22	2900	M5H34T180IEC	1.87
99	29.41	30	2900	M5H29T200IEC	1.49
116	25.05	30	2900	M5H25T200IEC	1.62
136	21.35	30	2900	M5H21T200IEC	1.70
166	17.50	37	2900	M5H18T200IEC	1.45

* Consult Dodge engineering for thermal considerations of application.
IEC motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.

Motorized Torque-Arm® II reducers
MTA EZ selection tables

MTA6307H Class I, 1.0 Service factor

Output rpm	Ratio	Class 1 motor KW	Motor speed	Part number	Service factor
18	78.53	11	1450	M6H79T160IEC	1.33
22	66.92	15	1450	M6H67T160IEC	1.17
25	59.05	18,5	1450	M6H59T180IEC	1.32
28	52.35	18,5	1450	M6H52T180IEC	1.47
29	50.26	22	1450	M6H50T180IEC	1.03
33	44.61	22	1450	M6H45T180IEC	1.15
37	78.53	22	2900	M6H79T180IEC	1.29
37	39.37	22	1450	M6H39T180IEC	1.29
43	66.92	30	2900	M6H67T200IEC	1.07
43	33.51	30	1450	M6H34T200IEC	1.07
49	59.05	30	2900	M6H59T200IEC	1.22
50	29.03	30	1450	M6H29T200IEC	1.25
55	52.35	37	2900	M6H52T200IEC	1.10
58	50.26	37	2900	M6H50T200IEC	1.16
59	24.43	37	1450	M6H24T225IEC	1.18
65	44.61	45	2900	M6H45T225IECS	1.05
66	22.04	45	1450	M6H22T225IEC	1.07
74	39.37	45	2900	M6H39T225IECS	1.19
77	18.95	45	1450	M6H19T225IEC	1.23
87	33.51	45	2900	M6H34T225IECS	1.36
100	29.03	45	2900	M6H29T225IECS	1.53
119	24.43	45	2900	M6H24T225IECS	1.76
132	22.04	45	2900	M6H22T225IECS	1.90

MTA6307H Class II, 1.4 Service factor

Output rpm	Ratio	Class 2 motor KW	Motor speed	Part number	Service factor
18	78.53	7,5	1450	M6H79T132IEC	1.95
22	66.92	11	1450	M6H67T160IEC	1.60
25	59.05	11	1450	M6H59T160IEC	1.80
28	52.35	15	1450	M6H52T160IEC	1.47
29	50.26	15	1450	M6H50T160IEC	1.52
33	44.61	15	1450	M6H45T160IEC	1.69
37	78.53	18,5	2900	M6H79T160IEC	1.89
37	39.37	18,5	1450	M6H39T180IEC	1.89
43	66.92	22	2900	M6H67T180IEC	1.46
43	33.51	22	1450	M6H34T180IEC	1.46
49	59.05	22	2900	M6H59T180IEC	1.66
50	29.03	22	1450	M6H29T180IEC	1.70
55	52.35	22	2900	M6H52T180IEC	1.85
58	50.26	30	2900	M6H50T200IEC	1.43
59	24.43	30	1450	M6H24T200IEC	1.45
65	44.61	30	2900	M6H45T200IEC	1.58
66	22.04	30	1450	M6H22T200IEC	1.61
74	39.37	37	2900	M6H39T200IEC	1.45
77	18.95	37	1450	M6H19T225IEC	1.49
87	33.51	37	2900	M6H34T200IEC	1.65
100	29.03	45	2900	M6H29T225IECS	1.53
119	24.43	45	2900	M6H24T225IECS	1.76
132	22.04	45	2900	M6H22T225IECS	1.90

IEC motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.

Motorized Torque-Arm® II reducers
MTA EZ selection tables

MTA7315H class I, 1.0 service factor

Output rpm	Ratio	Class 1 motor KW	Motor speed	Part number	Service factor
19	76.46	22	1450	M7H76T180IEC	1.03
22	66.57	22	1450	M7H67T180IEC	1.18
25	57.58	22	1450	M7H58T180IEC	1.32
28	50.97	30	1450	M7H51T200IEC	1.09
33	44.38	30	1450	M7H44T200IEC	1.27
38	76.46	37	2900	M7H76T200IEC	1.18
38	38.39	37	1450	M7H38T225IEC	1.16
44	66.57	45	2900	M7H67T225IECS	1.10
43	33.48	45	1450	M7H33T225IEC	1.06
50	57.58	55	2900	M7H58T250IECS	1.00
51	28.65	55	1450	M7H29T250IEC	1.02
57	50.97	55	2900	M7H51T250IECS	1.13
57	25.66	55	1450	M7H26T250IEC	1.12
65	44.38	55	2900	M7H44T250IECS	1.27
67	21.74	55	1450	M7H22T250IEC	1.29
76	38.39	75*	2900	M7H38T280IECS **	1.07
77	18.77	75*	1450	M7H19T280IEC **	1.06
87	33.48	75*	2900	M7H33T280IECS **	1.19
101	28.65	75*	2900	M7H29T280IECS **	1.35
113	25.66	75*	2900	M7H26T280IECS **	1.48

MTA7315H class II, 1.4 service factor

Output rpm	Ratio	Class 2 motor KW	Motor speed	Part number	Service factor
19	76.46	15	1450	M7H76T160IEC	1.52
22	66.57	15	1450	M7H67T160IEC	1.74
25	57.58	18,5	1450	M7H58T180IEC	1.57
28	50.97	22	1450	M7H51T180IEC	1.49
33	44.38	22	1450	M7H44T180IEC	1.73
38	76.46	30	2900	M7H76T200IEC	1.46
38	38.39	30	1450	M7H38T200IEC	1.43
44	66.57	30	2900	M7H67T200IEC	1.65
43	33.48	30	1450	M7H33T200IEC	1.59
50	57.58	37	2900	M7H58T200IEC	1.84
51	28.65	37	1450	M7H29T225IEC	1.87
57	50.97	37	2900	M7H51T200IEC	2.07
57	25.66	37	1450	M7H26T225IEC	2.05
65	44.38	45	2900	M7H44T225IECS	1.55
67	21.74	45	1450	M7H22T225IEC	1.58
76	38.39	45	2900	M7H38T225IECS	1.79
77	18.77	55	1450	M7H19T250IECS	1.45
87	33.48	55	2900	M7H33T250IECS	1.63
101	28.65	55	2900	M7H29T250IECS	1.84
113	25.66	75*	2900	M7H26T250IECS	1.48

* Consult Dodge engineering for thermal considerations of application
IEC motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.
** IEC 280 frame adapter is designed to handle the weight of the IEC280S frame (not the 280M frame)

Motorized Torque-Arm® II reducers
MTA EZ selection tables

MTA8407H class I, 1.0 service factor

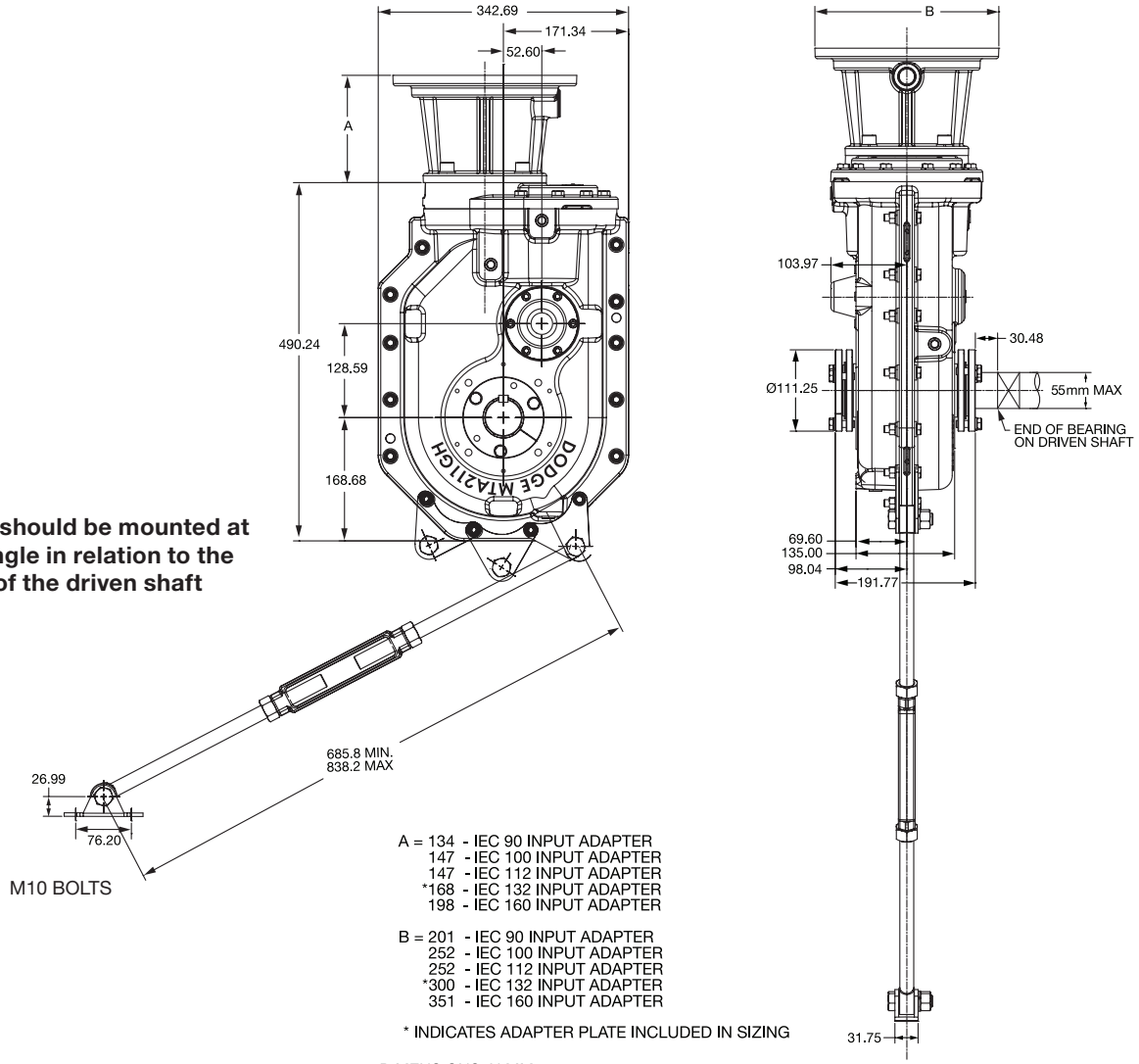
Output rpm	Ratio	Class 1 motor KW	Motor speed	Part number	Service factor
18	78.80	30	1450	M8H79T200IEC	1.02
21	68.53	30	1450	M8H69T200IEC	1.19
24	60.13	37	1450	M8H60T225IEC	1.08
28	52.53	45	1450	M8H53T225IEC	1.04
29	50.85	45	1450	M8H51T225IEC	1.06
32	45.69	45	1450	M8H46T225IEC	1.17
36	40.09	55	1450	M8H40T250IEC	1.08
37	78.80	55	2900	M8H79T250IECS	1.08
42	68.53	55	2900	M8H69T250IECS	1.23
43	33.90	55	1450	M8H34T250IEC	1.24
47	30.76	55	1450	M8H31T250IEC	1.35
48	60.13	55	2900	M8H60T250IECS	1.37
54	26.82	75*	1450	M8H27T280IEC **	1.12
55	52.53	75*	2900	M8H53T280IECS **	1.13
57	50.85	75*	2900	M8H51T280IECS **	1.18
63	45.69	75*	2900	M8H46T280IECS **	1.28
64	22.77	75*	1450	M8H23T280IEC **	1.29
72	40.09	75*	2900	M8H40T280IECS **	1.45
83	17.43	75*	1450	M8H17T280IEC **	1.66
86	33.90	75*	2900	M8H34T280IECS **	1.71
94	30.76	75*	2900	M8H31T280IECS **	2.21

MTA8407H class II, 1.4 service factor

Output rpm	Ratio	Class 2 motor KW	Motor speed	Part Number	Service factor
18	78.80	18,5	1450	M8H79T180IEC	1.66
21	68.53	22	1450	M8H69T180IEC	1.62
24	60.13	22	1450	M8H60T180IEC	1.81
28	52.53	30	1450	M8H53T200IEC	1.56
29	50.85	30	1450	M8H51T200IEC	1.59
32	45.69	37	1450	M8H46T225IEC	1.42
36	40.09	37	1450	M8H40T225IEC	1.60
37	78.80	37	2900	M8H79T200IEC	1.61
42	68.53	45	2900	M8H69T225IECS	1.50
43	33.90	45	1450	M8H34T225IEC	1.52
47	30.76	45	1450	M8H31T225IEC	1.65
48	60.13	45	2900	M8H60T225IECS	1.68
54	26.82	55	1450	M8H27T250IEC	1.53
55	52.53	55	2900	M8H53T250IECS	1.54
57	50.85	55	2900	M8H51T250IECS	1.61
63	45.69	55	2900	M8H46T250IECS	1.75
64	22.77	55	1450	M8H23T250IEC	1.77
72	40.09	75*	2900	M8H40T280IECS **	1.45
83	17.43	75*	1450	M8H17T280IEC **	1.66
86	33.90	75*	2900	M8H34T280IECS **	1.71
94	30.76	75*	2900	M8H31T280IECS **	2.21

* Consult Dodge engineering for thermal considerations of application
IEC motor frames are determined using the ABB low voltage process performance motors catalog.
Please check the frame size of your motor supplier before ordering.
** IEC 280 frame adapter is designed to handle the weight of the IEC280S frame (not the 280M frame)

Motorized Torque-Arm® II reducers
MTA2115 shaft mounted reducer



Tie rod should be mounted at a 90° angle in relation to the center of the driven shaft

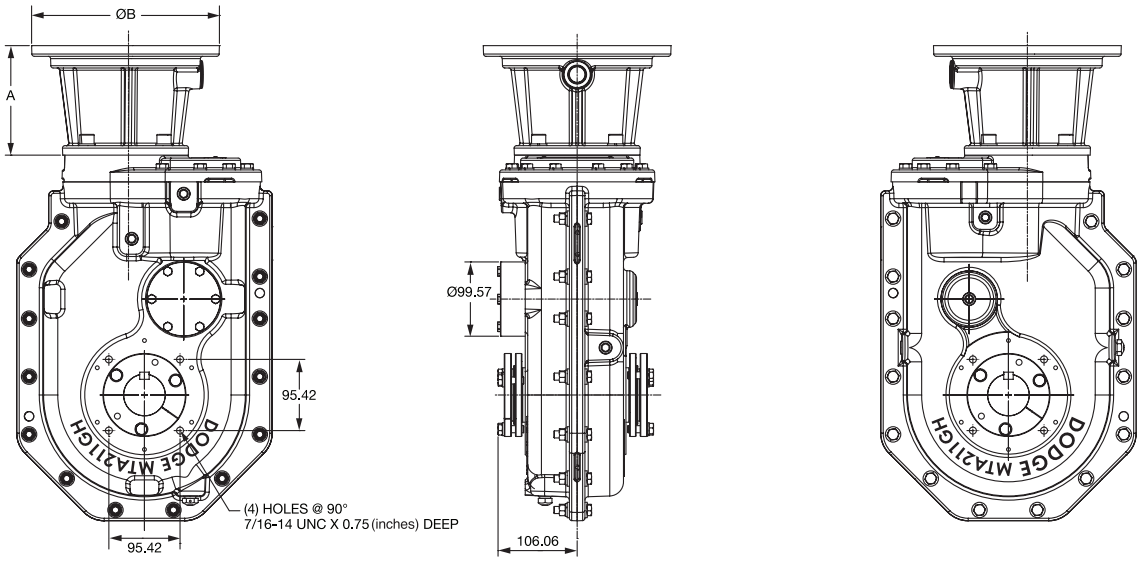
A = 134 - IEC 90 INPUT ADAPTER
147 - IEC 100 INPUT ADAPTER
147 - IEC 112 INPUT ADAPTER
*168 - IEC 132 INPUT ADAPTER
198 - IEC 160 INPUT ADAPTER

B = 201 - IEC 90 INPUT ADAPTER
252 - IEC 100 INPUT ADAPTER
252 - IEC 112 INPUT ADAPTER
*300 - IEC 132 INPUT ADAPTER
351 - IEC 160 INPUT ADAPTER

* INDICATES ADAPTER PLATE INCLUDED IN SIZING

DIMENSIONS IN MM

Motor adapters are designed to IEC B5 input dimensions.



Motorized Torque-Arm® II reducers
MTA2115 shaft mounted accessories

MTA2115 B5 flange reducer & adapter weights (kgs)

	Reducer weight	Adapter size & weight							
		90	100	112	132	160	180	200	225
MTA2115	61	7	9	11	16	18	23	27	32

MTA2115H Accessories

Description	Part number	Weight kgs.
TA2115RA Rod assembly	902109	3,1
TA3203BS Backstop assembly use for MTA2115	903102	2,1
TA0-TA3 Vertical breather kit	900112	0,9
Filter breather plug	430048	0,1
V-ring seal kit	902249	0,1
TA0-TA3 Hydra-Lock dessicant breather kit	964372	0,1
MTA2-8 Vertical position D breather kit	472300	1,4

Safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA2115H	902114	0,25	902115	0,25
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA2115H	454374	0,25	454375	0,25

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

MTA2115H Twin tapered bushing kits (5) (6)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (8)(9)
Regular shaft bushing kit			
TA2115MTB X 38 mm	902045	3,3	10 x 5 x 199
TA2115MTB X 40 mm	902044	3,2	12 x 5 x 199
TA2115MTB X 42 mm	902043	3,0	12 x 5 x 199
TA2115MTB X 45 mm	902042	2,9	14 x 5,5 x 199
TA2115MTB X 50 mm	902041	2,5	14 x 5,5 x 199
TA2115MTB X 55 mm	902040	2,3	16 x 6 x 199

MTA2115H Short shaft tapered bushing kits (5) (6)

Bushing size	Part number (7)	Weight kgs.	Shaft keyseat required (8)(9)
Short shaft bushing kit			
TA2115MTBS x 38 mm	902054	3,3	10 x 5 x 122
TA2115MTBS x 40 mm	902053	3,2	12 x 5 x 122
TA2115MTBS x 42 mm	902052	3,0	12 x 5 x 122
TA2115MTBS x 45 mm	902051	2,9	14 x 5,5 x 122
TA2115MTBS x 50 mm	902050	2,5	14 x 5,5 x 122

Twin tapered bushings (inch bushings)

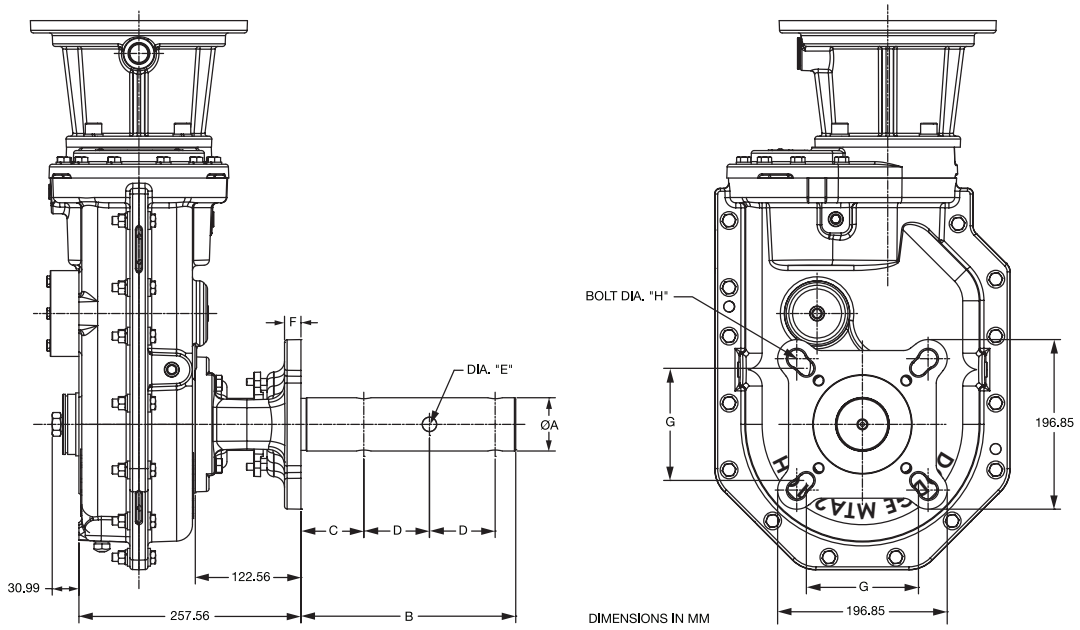
Bushing Size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered standard shaft			
TA2115TB x 2-3/16	902020	2,1	1/2 x 1/4 x 7.80
TA2115TB x 2	902022	2,4	1/2 x 1/4 x 7.80
TA2115TB x 1-15/16	902023	2,5	1/2 x 1/4 x 7.80
TA2115TB x 1-7/8	902024	2,5	1/2 x 1/4 x 7.80
TA2115TB x 1-3/4	902025	2,6	3/8 x 3/16 x 7.80
TA2115TB x 1-11/16	902026	2,8	3/8 x 3/16 x 7.80
TA2115TB x 1-5/8	902027	2,8	3/8 x 3/16 x 7.80
TA2115TB x 1-1/2	902028	2,9	3/8 x 3/16 x 7.80
TA2115TB x 1-7/16	902029	2,9	3/8 x 3/16 x 7.80

Twin tapered bushings (inch bushings)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered short shaft			
TA2115TBS x 1-15/16	902030	2,5	1/2 x 1/4 x 4.80
TA2115TBS x 1-7/8	902031	2,7	1/2 x 1/4 x 4.80
TA2115TBS x 1-3/4	902032	2,7	3/8 x 3/16 x 4.80
TA2115TBS x 1-11/16	902033	3,0	3/8 x 3/16 x 4.80
TA2115TBS x 1-5/8	902034	3,1	3/8 x 3/16 x 4.80
TA2115TBS x 1-1/2	902035	3,3	3/8 x 3/16 x 4.80
TA2115TBS x 1-7/16	902036	3,4	3/8 x 3/16 x 4.80

(5) Bushing kit required to mount MTA II reducer to driven shaft
(6) Bushing kit is not required to mount MTA II reducer on SCS drive shaft in a screw conveyor application
(7) 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.
(8) Minimum keyseat and shaft length required to mount reducer with bushing kit
(9) Always check the driven shaft and key for strength

Motorized Torque-Arm® II reducers
MTA2115 screw conveyor reducer



MTA2115H Screw conveyor drive dimensions

Dimensions (mm)								
Screw diameter (inches)	Drive shaft diameter A (inches)	B	C	D	Hole diameter E	F	G	Bolt diameter H
6, 9	1-1/2	229	54	76	13	19	102	M12
9, 12	2	229	54	76	17	19	130	M16
12, 14	2-7/16	246	70	76	17	19	143	M16
12, 14, 16, 18, 20	3	251	73	76	20	19	152	M19

Motorized Torque-Arm® II reducers
MTA2115 screw conveyor accessories

Safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA2115H	902114	0,25	902115	0,25

Reducer size	ABS end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA2115H	454374	0,25	454375	0,25

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

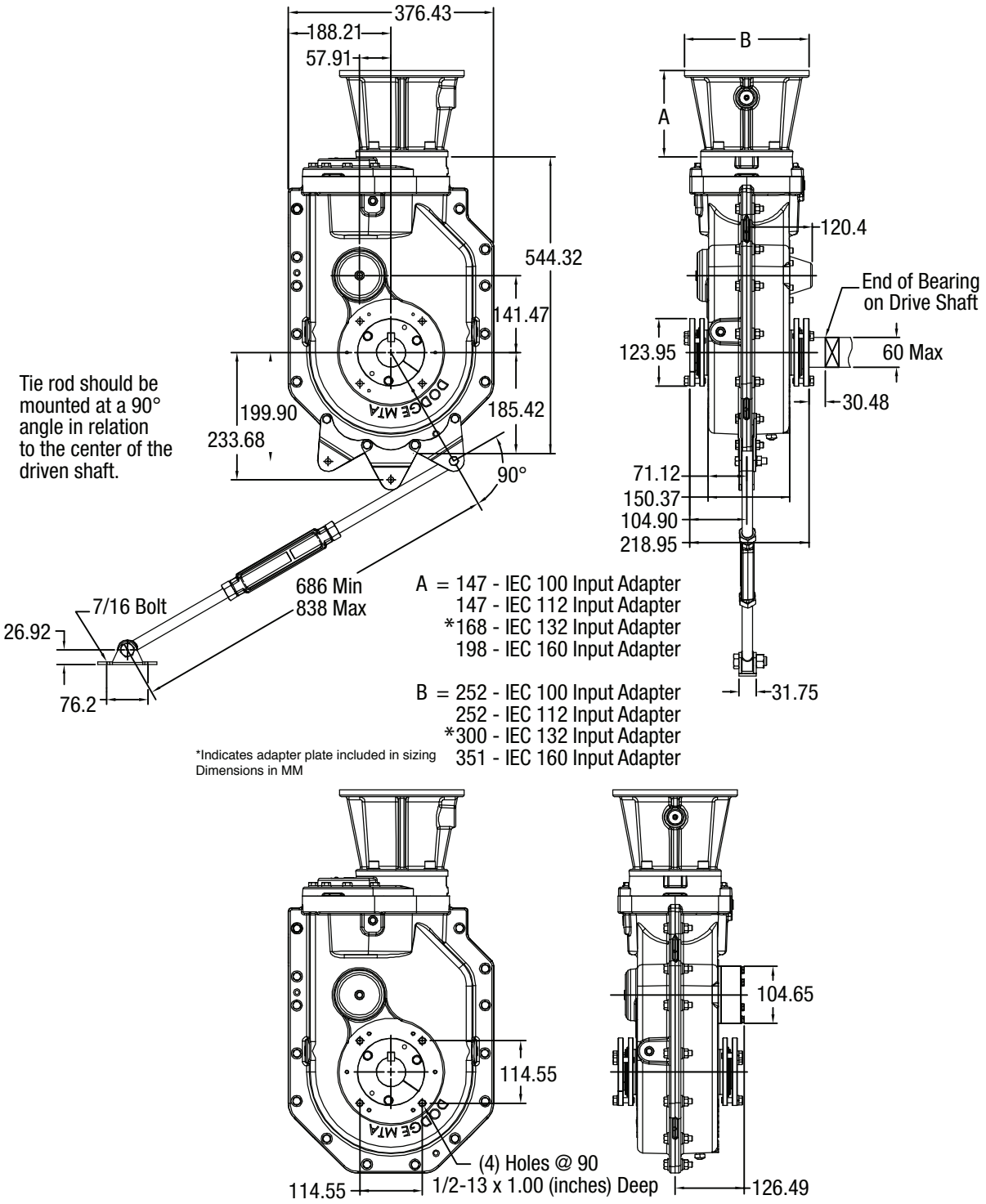
MTA2115H Accessories for screw conveyor drives (4) (5)

Description	Part number	Weight kgs.
TA2115SCA Adapter & hardware kit (2)	902070	8,7
TA2115SCP Adjustable packing kit (3)	902071	0,5
TA2115SCS x 1-1/2 Drive shaft	902072	7,0
TA2115SCS x 2 Drive shaft	902073	8,5
TA2115SCS x 2-7/16 Drive shaft	902074	10,6
TA2115SCS x 3 Drive shaft	902075	13,4
TA2115SCS x 1-1/2 Stainless steel drive shaft	902080	7,0
TA2115SCS x 2 Stainless steel drive shaft	902081	8,5
TA2115SCS x 2-7/16 Stainless steel drive shaft	902082	10,6
TA2115SCS x 3 Stainless steel drive shaft	902083	13,4

(2) SCA Adapter & hardware kit includes adapter, mounting wedge, keeper plate, key, seals and hardware
(3) SCP Adjustable packing kit consists of flange, mounting hardware and braided packing seals
(4) SCS Drive shaft is a shaft only. Hardware is stocked with the adapter & hardware kit
(5) A complete MTA II screw conveyor drive includes a MTA II reducer, SCA adapter & hardware kit and SCS drive shaft. The SCP adjustable packing kit is an optional accessory.

Motorized Torque-Arm® II reducers
MTA3203 shaft mounted reducer

Motor adapters are designed to IEC B5 input dimensions.



REDUCER WITH BACKSTOP

Motorized Torque-Arm® II reducers
MTA3203 shaft mounted accessories

MTA3203 B5 flange reducer & adapter weights (kgs)

	Adapter size									
Reducer	90	100	112	132	160	180	200	225	250	280
Weight	95	98	100	104	107	—	—	—	—	—

MTA3203H Accessories

Description	Part number	Weight kgs.
TA3203RA Rod assembly	903109	3,1
TA4207BS Backstop assembly use for MTA2115	904102	2,4
TA0-TA3 Vertical breather kit	900112	0,9
Filter breather plug	430048	0,1
TA0-TA3 Hydra-lock dessicant breather kit	964372	0,1
MTA2-8 Vertical position D breather kit	472300	1,4

Bushing and safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA3203H	903114	0,45	903115	0,4
Reducer size	**ABS Polymer end cover part numbers**			
	Closed	Weight kgs.	Split	Weight kgs.
MTA3203H	472052	0,45	472053	0,4

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

MTA3203H Tapered bushing kits (5) (6)

Bushing size	Part number (7)	Weight kgs.	Shaft keyseat required (9)(10)
Standard shaft bushing kit			
TA3203MTB X 50 mm	903042	3,7	14 x 5,5 x 218
TA3203MTB X 55 mm	903041	3,2	16 x 6 x 218
TA3203MTB X 60 mm	903040	2,9	18 x 7 x 218

MTA3203H Short shaft tapered bushing kits (5) (6)

Bushing size	Part number (8)	Weight kgs.	Shaft keyseat required (9)(10)
Short shaft bushing kit			
TA3203MTBS x 50 mm	903051	3,7	14 x 5,5 x 139
TA3203MTBS x 55 mm	903050	3,2	16 x 6 x 139

Twin tapered bushings (inch bushings)

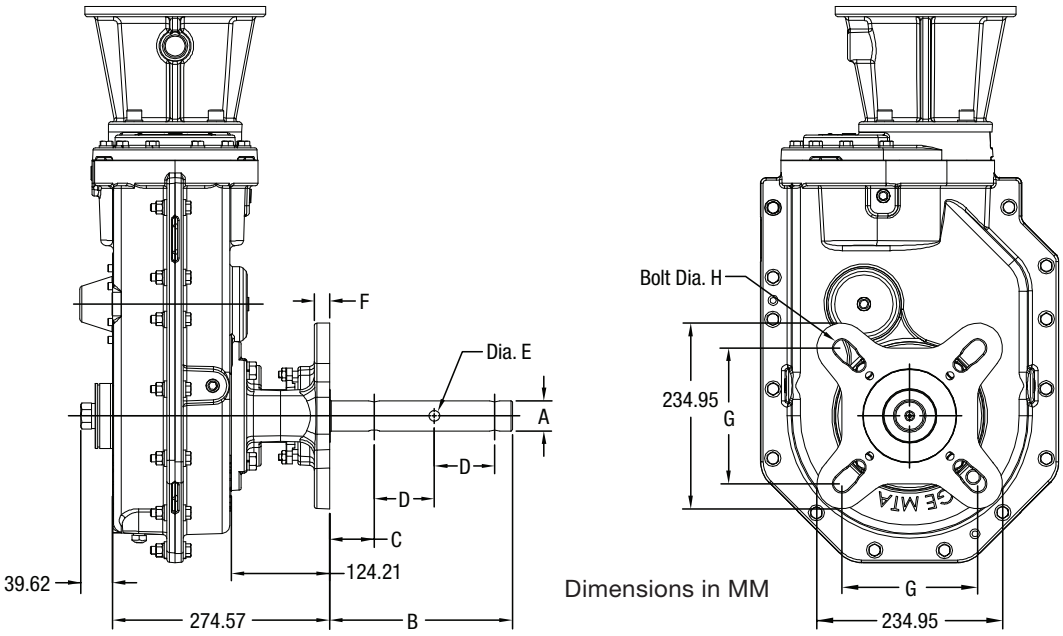
Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered standard shaft			
TA3203TB x 2-3/8	903020	2,8	5/8 x 5/16 x 8.55
TA3203TB x 2-1/4	903021	2,8	1/2 x 1/4 x 8.55
TA3203TB x 2-3/16	903022	3,1	1/2 x 1/4 x 8.55
TA3203TB x 2-1/8	903023	3,2	1/2 x 1/4 x 8.55
TA3203TB x 2	903024	3,4	1/2 x 1/4 x 8.55
TA3203TB x 1-15/16	903025	3,5	1/2 x 1/4 x 8.55

Twin tapered bushings (inch bushings)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered short shaft			
—	—	—	—
—	—	—	—
TA3203TBS x 2-3/16	903030	3,2	1/2 x 1/4 x 5.46
TA3203TBS x 2-1/8	903031	3,4	1/2 x 1/4 x 5.46
TA3203TBS x 2	903032	3,6	1/2 x 1/4 x 5.46
TA3203TBS x 1-15/16	903033	3,8	1/2 x 1/4 x 5.46

(5) Bushing kit required to mount MTA II reducer to driven shaft
(6) Bushing kit is not required to mount MTA II reducer on SCS drive shaft in a screw conveyor application
(7) 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.
(8) Minimum keyseat and shaft length required to mount reducer with bushing kit
(9) Always check the driven shaft and key for strength

Motorized Torque-Arm® II reducers
MTA3203 screw conveyor reducer



MTA3203H Screw conveyor drive dimensions

Dimensions (mm)								
Screw diameter (inches)	Drive shaft diameter A (inches)	B	C	D	Hole diameter E	F	G	Bolt diameter H
6, 9	1-1/2	229	54	76	13	19	102	12
9, 12	2	229	54	76	17	19	130	16
12, 14	2-7/16	246	70	76	17	19	143	16
12, 14, 16, 18, 20	3	251	73	76	20	19	152	19
18, 20, 24	3-7/16	334	99	102	23	19	171	19

Motorized Torque-Arm® II reducers
MTA3203 screw conveyor accessories

Safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA3203H	903114	0,45	903115	0,4
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA3203H	472052	0,45	472053	0,4

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

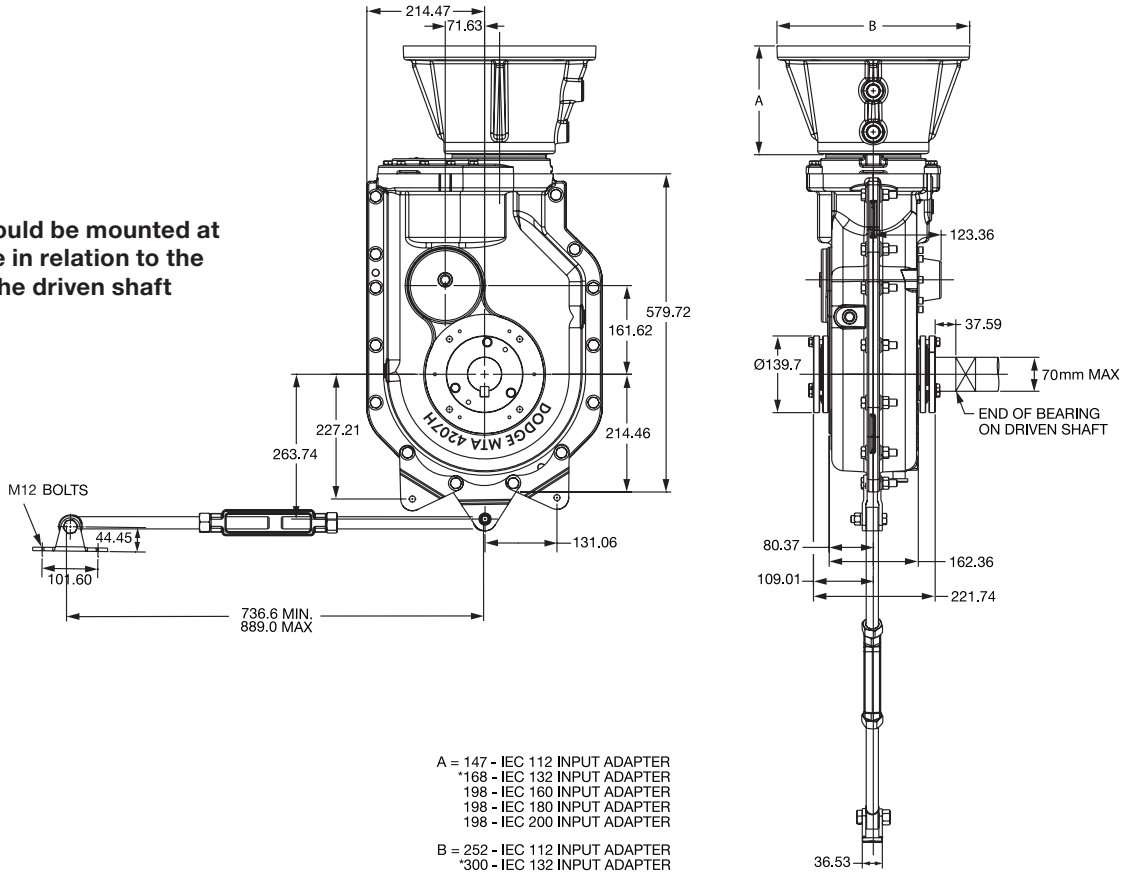
MTA3203H Accessories for screw conveyor drives (4) (5)

Description	Part number	Weight kgs.
TA3203SCA Adapter & hardware kit (2)	903070	10,1
TA3203SCP Adjustable packing kit (3)	903071	0,6
TA3203SCS x 1-1/2 Drive shaft	903072	8,8
TA3203SCS x 2 Drive shaft	903073	10,3
TA3203SCS x 2-7/16 Drive shaft	903074	12,3
TA3203SCS x 3 Drive shaft	903075	15,2
TA3203SCS x 3-7/16 Drive shaft	903076	20,3
TA3203SCS x 1-1/2 Stainless steel drive shaft	903080	8,8
TA3203SCS x 2 Stainless steel drive shaft	903081	10,3
TA3203SCS x 2-7/16 Stainless steel drive shaft	903082	12,3
TA3203SCS x 3 Stainless steel drive shaft	903083	15,2
TA3203SCS x 3-7/16 Stainless steel drive shaft	903084	20,3

(2) SCA Adapter & hardware kit includes adapter, mounting wedge, keeper plate, key, seals and hardware
(3) SCP Adjustable packing kit consists of flange, mounting hardware and braided packing seals
(4) SCS Drive shaft is a shaft only. Hardware is stocked with the adapter & hardware kit
(5) A complete MTA II screw conveyor drive includes a MTA II Reducer, SCA Adapter & hardware kit and SCS drive shaft. The SCP Adjustable packing kit is an optional accessory.

Motorized Torque-Arm® II reducers
MTA4207 shaft mounted reducer

Tie rod should be mounted at a 90° angle in relation to the center of the driven shaft



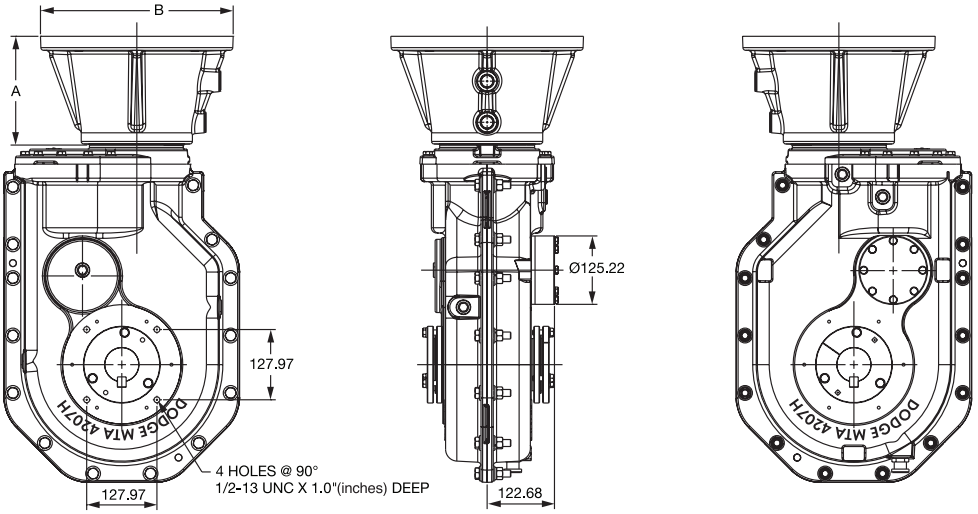
A = 147 - IEC 112 INPUT ADAPTER
*168 - IEC 132 INPUT ADAPTER
198 - IEC 160 INPUT ADAPTER
198 - IEC 180 INPUT ADAPTER
198 - IEC 200 INPUT ADAPTER

B = 252 - IEC 112 INPUT ADAPTER
*300 - IEC 132 INPUT ADAPTER
351 - IEC 160 INPUT ADAPTER
351 - IEC 180 INPUT ADAPTER
400 - IEC 200 INPUT ADAPTER

* INDICATES ADAPTER PLATE INCLUDED IN SIZING

DIMENSIONS IN MM

Motor adapters are designed to IEC B5 input dimensions.



Motorized Torque-Arm® II reducers
MTA4207 shaft mounted accessories

MTA4207 B5 flange reducer & adapter weights (kgs)

	Reducer weight	Adapter size & weight							
		90	100	112	132	160	180	200	225
MTA2407	114	7	9	11	16	18	23	27	32

MTA4207H Accessories

Description	Part number	Weight kgs.
TA4207RA Rod assembly	904109	4,8
TA5215BS Backstop assembly use for MTA4207	905102	3,8
TA4-TA12 Vertical breather Kit	904112	1,4
Filter breather assy	430049	0,1
V-ring seal kit	904249	0,1
TA4-TA9 Hydra-lock dessicant breather kit	964364	0,4
MTA2-8 Vertical position D breather kit	472300	1,4

Safety end covers

Reducer Size	Metal End Cover Part Numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA4207H	904114	0,6	904115	0,5
Reducer Size	**ABS End Cover Part Numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA4207H	454500	0,6	454501	0,5

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

MTA4207H Twin tapered bushing kits (5) (6)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (8)(9)
Regular shaft bushing kit			
TA4207MTB X 50 mm	904046	6,4	14 x 5,5 x 227
TA4207MTB X 55 mm	904045	5,9	16 x 6 x 227
TA4207MTB X 60 mm	904044	5,4	18 x 7 x 227
TA4207MTB X 65 mm	904043	4,7	18 x 7 x 227
TA4207MTB X 70 mm	904042	4,5	20 x 7,5 x 227

MTA4207H Short shaft tapered bushing kits (5) (6)

Bushing size	Part number (7)	Weight kgs.	Shaft keyseat required (8)(9)
Short shaft bushing kit			
TA4207MTBS x 50 mm	904052	6,4	14 x 5,5 x 144
TA4207MTBS x 55 mm	904051	5,9	16 x 6 x 144
TA4207MTBS x 60 mm	904050	5,4	18 x 7 x 144
TA4207MTBS x 65 mm	904049	4,7	18 x 7 x 144

Twin tapered bushings (inch bushings)

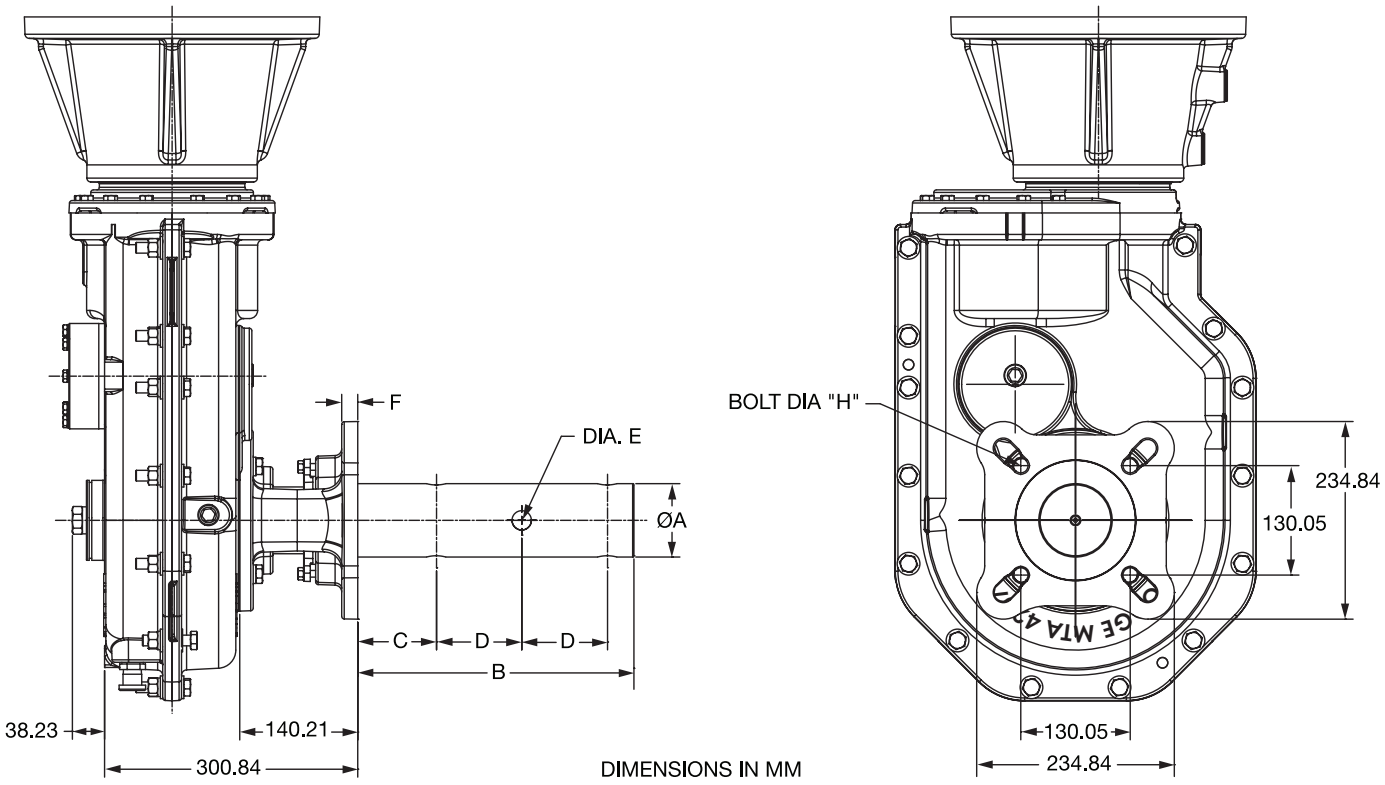
Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered standard shaft			
TA4207TB x 2-11/16	904020	4,3	5/8 x 5/16 x 8.93
TA4207TB x 2-1/2	904021	4,8	5/8 x 5/16 x 8.93
TA4207TB x 2-7/16	904022	4,9	5/8 x 5/16 x 8.93
TA4207TB x 2-3/8	904023	5,1	5/8 x 5/16 x 8.93
TA4207TB x 2-1/4	904024	5,2	1/2 x 1/4 x 8.93
TA4207TB x 2-3/16	904025	5,4	1/2 x 1/4 x 8.93
TA4207TB x 2-1/8	904026	5,5	1/2 x 1/4 x 8.93
TA4207TB x 2	904027	5,7	1/2 x 1/4 x 8.93
TA4207TB x 1-15/16	904028	5,9	1/2 x 1/4 x 8.93

Twin tapered bushings (inch bushings)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered short shaft			
TA4207TBS x 2-7/16	904032	5,1	5/8 x 5/16 x 5.65
TA4207TBS x 2-3/8	904033	5,4	5/8 x 5/16 x 5.65
TA4207TBS x 2-1/4	904034	5,6	1/2 x 1/4 x 5.65
TA4207TBS x 2-3/16	904035	4,9	1/2 x 1/4 x 5.65
TA4207TBS x 2-1/8	904036	6,0	1/2 x 1/4 x 5.65
TA4207TBS x 2	904037	6,3	1/2 x 1/4 x 5.65
TA4207TBS x 1-15/16	904038	6,5	1/2 x 1/4 x 5.65

(5) Bushing kit required to mount MTA II reducer to driven shaft
(6) Bushing kit is not required to mount MTA II reducer on SCS Drive Shaft in a screw conveyor application
(7) 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.
(8) Minimum keyseat and shaft length required to mount reducer with bushing kit
(9) Always check the driven shaft and key for strength

Motorized Torque-Arm® II reducers
MTA4207 screw conveyor reducer



MTA4207H Screw conveyor drive dimensions

Screw diameter (inches)	Drive shaft diameter A (inches)	Dimensions (mm)						
		B	C	D	Hole diameter E	F	G	Bolt diameter H
9, 12	2	229	54	76	17	19	130	16
12, 14	2-7/16	246	70	76	17	19	143	16
12, 14, 16, 18, 20	3	251	73	76	20	19	152	19
18, 20, 24	3-7/16	334	99	102	23	19	171	19

Motorized Torque-Arm® II reducers
MTA4207 screw conveyor accessories

Safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA4207H	904114	0,6	904115	0,5
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA4207H	454500	0,6	454501	0,5

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

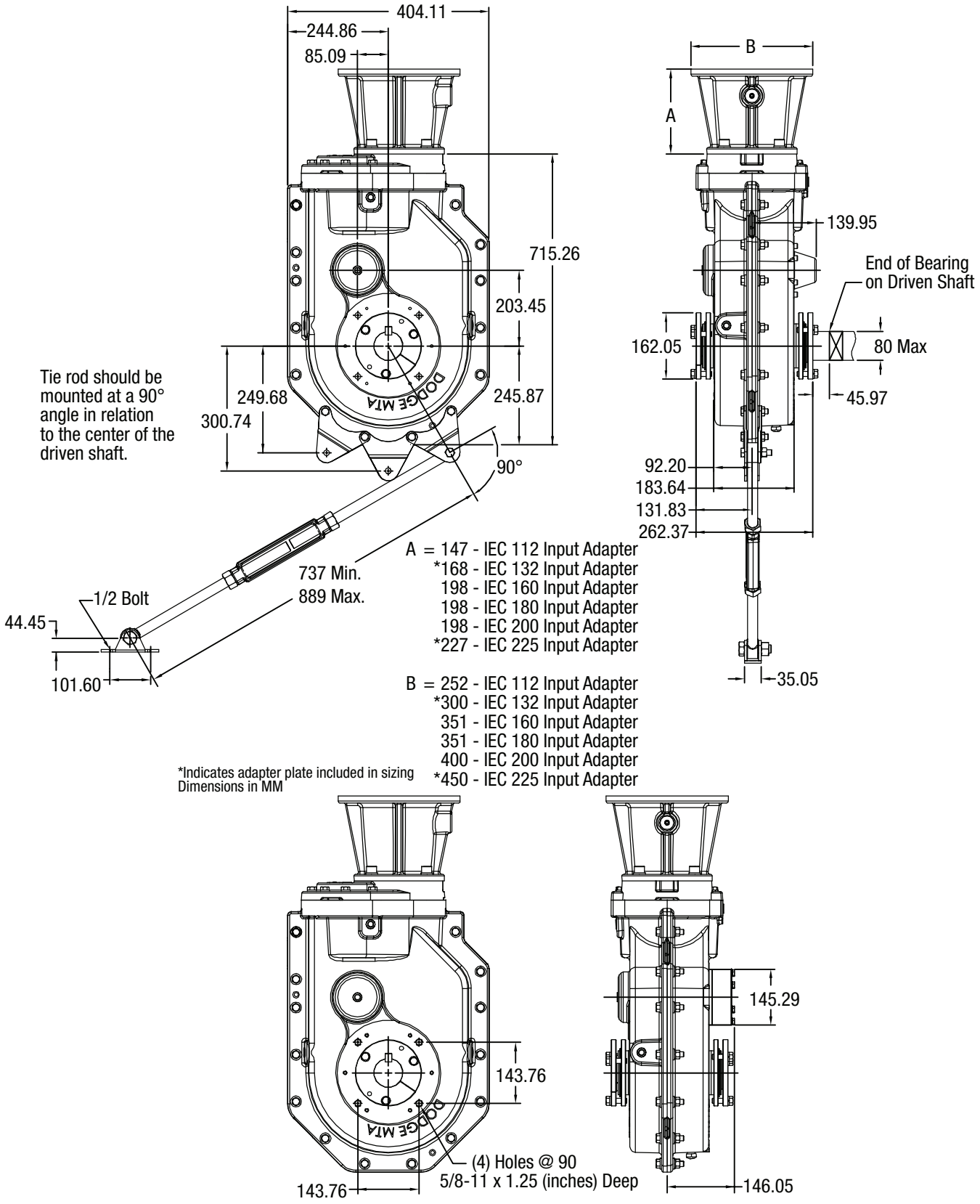
MTA4207H Accessories for screw conveyor drives (4) (5)

Description	Part number	Weight kgs.
TA4207SCA Adapter & hardware kit (2)	904070	15,3
TA4207SCP Adjustable packing kit (3)	904071	1,0
TA4207SCS x 2 Drive shaft	904073	13,5
TA4207SCS x 2-7/16 Drive shaft	904074	15,7
TA4207SCS x 3 Drive shaft	904075	18,6
TA4207SCS x 3-7/16 Drive shaft	904076	24,9
TA4207SCS x 2 Stainless steel drive shaft	904081	13,5
TA4207SCS x 2-7/16 Stainless steel drive shaft	904082	15,7
TA4207SCS x 3 Stainless steel drive shaft	904083	18,6
TA4207SCS x 3-7/16 Stainless steel drive shaft	904084	24,9

(2) SCA adapter & hardware kit includes adapter, mounting wedge, keeper plate, key, seals and hardware
(3) SCP adjustable packing kit consists of flange, mounting hardware and braided packing seals
(4) SCS drive shaft is a shaft only. Hardware is stocked with the adapter & hardware kit
(5) A complete MTA II screw conveyor drive includes a MTA II reducer, SCA adapter & hardware kit and SCS drive shaft. The SCP adjustable packing kit is an optional accessory.

Motorized Torque-Arm® II reducers
MTA5215 shaft mounted reducer

Motor adapters are designed to IEC B5 input dimensions.



REDUCER WITH BACKSTOP

Motorized Torque-Arm® II reducers
MTA5215 shaft mounted accessories

MTA5215 B5 flange reducer & adapter weights (kgs)

	Adapter size									
Reducer	90	100	112	132	160	180	200	225	250	280
Weight	—	—	163	168	170	175	179	191	—	—

MTA5215H Accessories

Description	Part number	Weight kgs.
TA5215RA Rod assembly	905109	5,0
TA6307BS Backstop assembly use for MTA4207	906102	5,0
TA4-TA12 Vertical breather kit	904112	1,4
Filter breather assy	430049	0,1
TA4-TA9 Hydra-lock dessicant breather kit	964364	0,4
MTA2-8 Vertical position D breather kit	472300	0,4

Bushing & safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA5215H	905114	0,75	905115	0,6
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA5215H	454570	0,75	454571	0,6

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

MTA5215H Twin tapered bushing kits (5) (6)

Bushing size	Part number (7)	Weight kgs.	Shaft keyseat required (9)(10)
Regular shaft bushing kit			
TA5215MTB X 55 mm	905049	10,0	16 x 6 x 263
TA5215MTB X 60 mm	905048	9,9	18 x 7 x 263
TA5215MTB X 65 mm	905047	8,6	18 x 7 x 263
TA5215MTB X 70 mm	905046	7,9	20 x 7,5 x 263
TA5215MTB X 75 mm	905045	7,2	20 x 7,5 x 263
TA5215MTB X 80 mm	905044	6,9	22 x 9 x 263

MTA5215H Short shaft tapered bushing kits (5) (6)

Bushing size	Part number (8)	Weight kgs.	Shaft keyseat required (9)(10)
Short shaft bushing kit			
TA5215MTBS x 55 mm	905055	10,0	16 x 6 x 162
TA5215MTBS x 60 mm	905054	9,9	18 x 7 x 162
TA5215MTBS x 65 mm	905053	8,6	18 x 7 x 162
TA5215MTBS x 70 mm	905052	7,9	20 x 7,5 x 162
TA5215MTBS x 75 mm	905051	7,2	20 x 7,5 x 162

Twin tapered bushings (inch bushings)

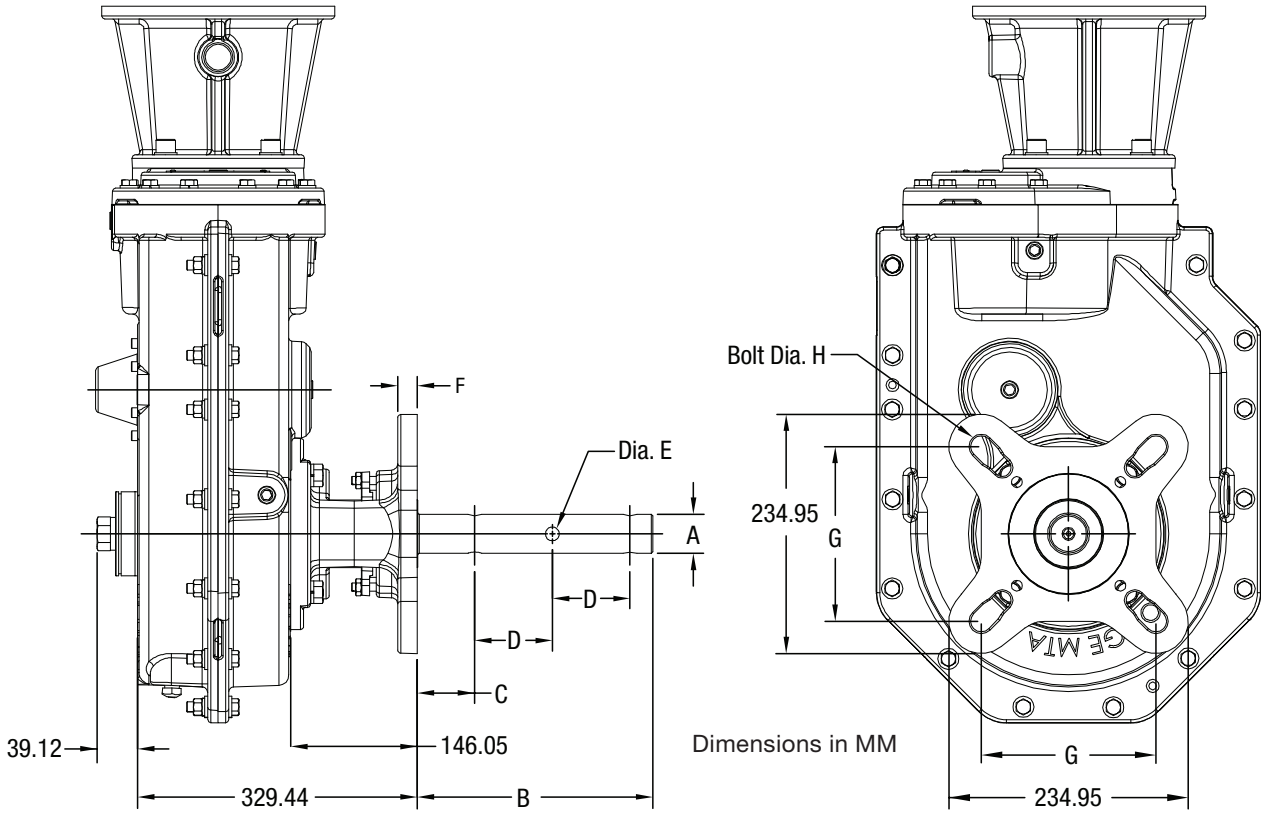
Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered standard shaft			
TA5215TB x 3-3/16	905020	6,2	3/4 x 3/8 x 10.34
TA5215TB x 3	905021	6,9	3/4 x 3/8 x 10.34
TA5215TB x 2-15/16	905022	7,1	3/4 x 3/8 x 10.34
TA5215TB x 2-7/8	905023	7,3	3/4 x 3/8 x 10.34
TA5215TB x 2-11/16	905024	7,6	5/8 x 5/16 x 10.34
TA5215TB x 2-1/2	905025	8,1	5/8 x 5/16 x 10.34
TA5215TB x 2-7/16	905026	8,2	5/8 x 5/16 x 10.34
TA5215TB x 2-3/8	905027	8,3,	5/8 x 5/16 x 10.34
TA5215TB x 2-1/4	905028	8,6	1/2 x 1/4 x 10.34
TA5215TB x 2-3/16	905029	8,7	1/2 x 1/4 x 10.34

Twin tapered bushings (inch bushings)

Bushing Size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered short shaft			
—	—	—	—
—	—	—	—
TA5215TBS x 2-15/16	905033	7,4	3/4 x 3/8 x 6.36
TA5215TBS x 2-7/8	905034	7,7	3/4 x 3/8 x 6.36
TA5215TBS x 2-11/16	905035	8,2	5/8 x 5/16 x 6.36
TA5215TBS x 2-1/2	905036	8,9	5/8 x 5/16 x 6.36
TA5215TBS x 2-7/16	905037	9,1	5/8 x 5/16 x 6.36
TA5215TBS x 2-3/8	905038	9,3	5/8 x 5/16 x 6.36
TA5215TBS x 2-1/4	905039	9,7	1/2 x 1/4 x 6.36
TA5215TBS x 2-3/16	905040	9,9	1/2 x 1/4 x 6.36

(5) Bushing kit required to mount MTA II reducer to driven shaft
(6) Bushing kit is not required to mount MTA II reducer on SCS drive shaft in a screw conveyor application
(7) 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.
(8) Minimum keyseat and shaft length required to mount reducer with bushing kit
(9) Always check the driven shaft and key for strength

Motorized Torque-Arm® II reducers
MTA5215 screw conveyor reducer



MTA5215H Screw conveyor drive dimensions

Screw diameter (inches)	Drive shaft diameter A (inches)	Dimensions (mm)						
		B	C	D	Hole diameter E	F	G	Bolt diameter H
9, 12	2	229	54	76	17	19	130	16
12, 14	2-7/16	246	70	76	17	19	143	16
12, 14, 16, 18, 20	3	251	73	76	20	19	152	19
18, 20, 24	3-7/16	334	99	102	23	19	171	19

Motorized Torque-Arm® II reducers
MTA5215 screw conveyor accessories

Safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA5215H	905114	0,75	905115	0,6
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA5215H	454570	0,75	454571	0,6

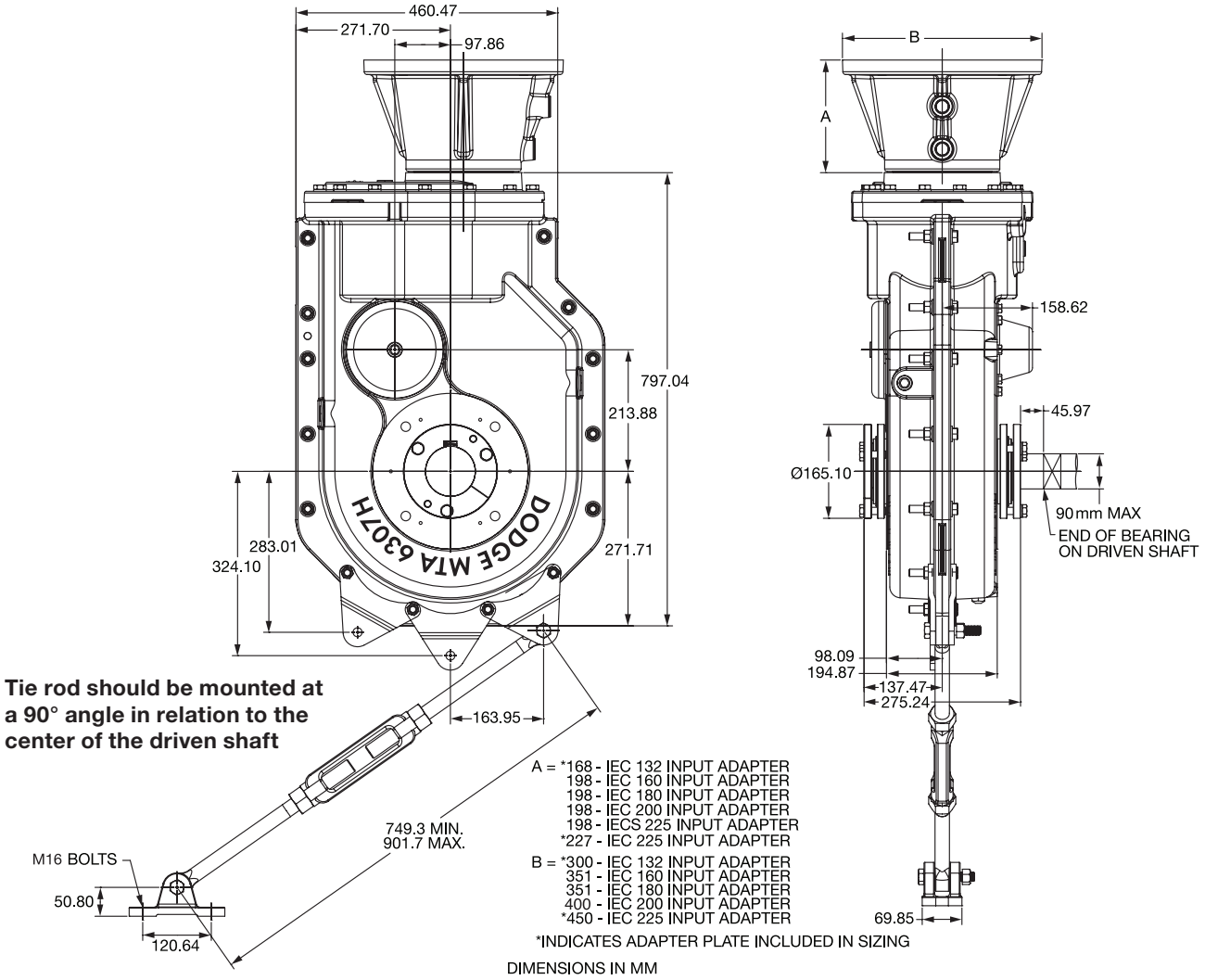
MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

MTA5125H Accessories for screw conveyor drives (4) (5)

Description	Part number	Weight kgs.
TA5215SCA Adapter & hardware kit (2)	905070	17,4
TA5215SCP Adjustable packing kit (3)	905071	1,0
TA5215SCS x 2 Drive shaft	905073	17,7
TA5215SCS x 2-7/16 Drive shaft	905074	19,8
TA5215SCS x 3 Drive shaft	905075	22,7
TA5215SCS x 3-7/16 Drive shaft	905076	29,0
TA5215SCS x 2 Stainless steel drive shaft	905081	17,7
TA5215SCS x 2-7/16 Stainless steel drive shaft	905082	19,8
TA5215SCS x 3 Stainless steel drive shaft	905083	22,7
TA5215SCS x 3 -7/16 Stainless steel drive shaft	905084	29,0

(2) SCA adapter & hardware kit includes adapter, mounting wedge, keeper plate, key, seals and hardware
(3) SCP adjustable packing kit consists of flange, mounting hardware and braided packing seals
(4) SCS drive shaft is a shaft only. Hardware is stocked with the adapter & hardware kit
(5) A complete MTA II screw conveyor drive includes a MTA II Reducer, SCA adapter & hardware kit and SCS drive shaft. The SCP adjustable packing kit is an optional accessory.

Motorized Torque-Arm® II reducers
MTA6307 shaft mounted reducer



Tie rod should be mounted at a 90° angle in relation to the center of the driven shaft

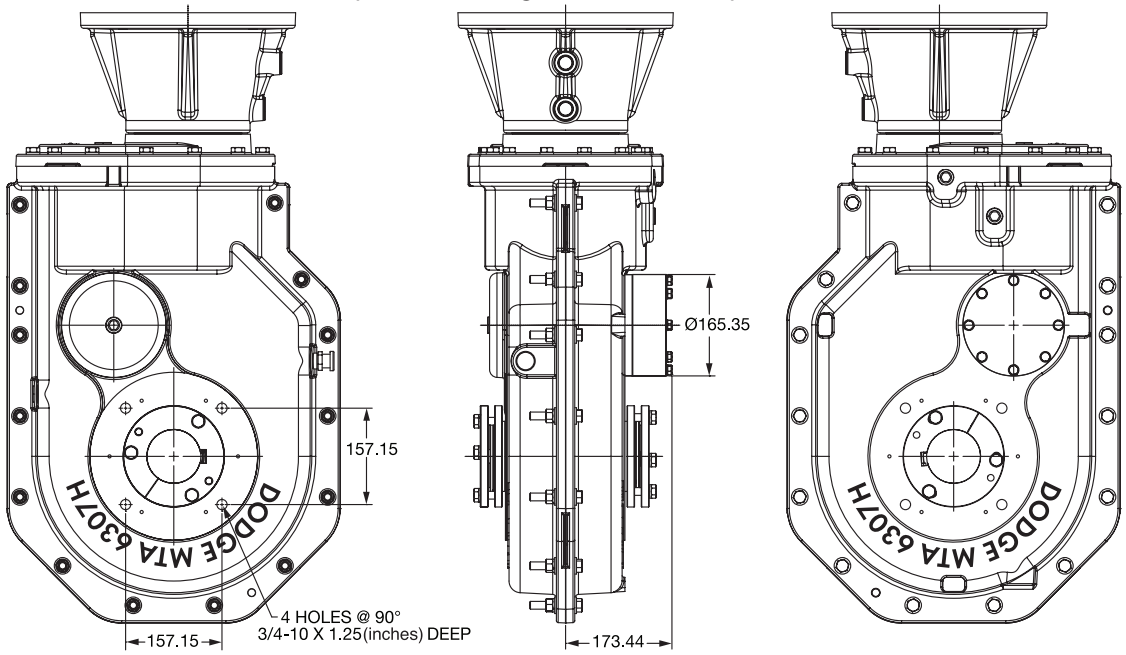
A = *168 - IEC 132 INPUT ADAPTER
198 - IEC 160 INPUT ADAPTER
198 - IEC 180 INPUT ADAPTER
198 - IEC 200 INPUT ADAPTER
198 - IECS 225 INPUT ADAPTER
*227 - IEC 225 INPUT ADAPTER

B = *300 - IEC 132 INPUT ADAPTER
351 - IEC 160 INPUT ADAPTER
351 - IEC 180 INPUT ADAPTER
400 - IEC 200 INPUT ADAPTER
*450 - IEC 225 INPUT ADAPTER

*INDICATES ADAPTER PLATE INCLUDED IN SIZING

DIMENSIONS IN MM

Motor adapters are designed to IEC B5 input dimensions.



Motorized Torque-Arm® II reducers
MTA6307 shaft mounted accessories

MTA6307 B5 flange reducer & adapter weights (kgs)

	Reducer weight	Adapter size & weight							
		90	100	112	132	160	180	200	225
MTA6307	207	7	9	11	16	18	23	27	32

Description	Part number	Weight kgs.
TA6307RA Rod assembly	906109	9,0
TA7315BS Backstop assembly use for MTA6307	907102	9,1
TA4-TA12 Vertical breather kit	904112	1,4
Filter breather kit	430049	0,1
V-ring seal kit	906249	0,1
TA4-TA9 Hydra-lock dessicant breather kit	964364	0,4
MTA2-8 Vertical position D breather kit	472300	0,4

Bushing & safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA6307H	906114	0,5	906115	0,5
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA6307H	454570	0,5	454571	0,5

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

MTA6307H Twin tapered bushing kits (5)v (6)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (8) (9)
Regular shaft bushing kit			
TA6307MTB X 65 mm	906047	10,9	18 x 7 x 275
TA6307MTB X 70 mm	906046	10,5	20 x 7,5 x 275
TA6307MTB X 75 mm	906045	9,6	20 x 7,5 x 275
TA6307MTB X 80 mm	906044	8,8	22 x 9 x 275
TA6307MTB X 85 mm	906043	7,8	22 x 9 x 275
TA6307MTB X 90 mm	906042	7,6	25 x 9 x 275

MTA6307H Tapered short shaft bushing kits (5) (6)

Bushing size	Part number (7)	Weight kgs.	Shaft keyseat required (8) (9)
Short shaft bushing kit			
TA6307MTBS x 65 mm	906053	10,9	18 x 7 x 171
TA6307MTBS x 70 mm	906052	10,5	20 x 7,5 x 171
TA6307MTBS x 75 mm	906051	9,6	20 x 7,5 x 171
TA6307MTBS x 80 mm	906050	8,8	22 x 9 x 171
TA6307MTBS x 85 mm	906049	7,8	22 x 9 x 171

Twin tapered bushings (inch bushings)

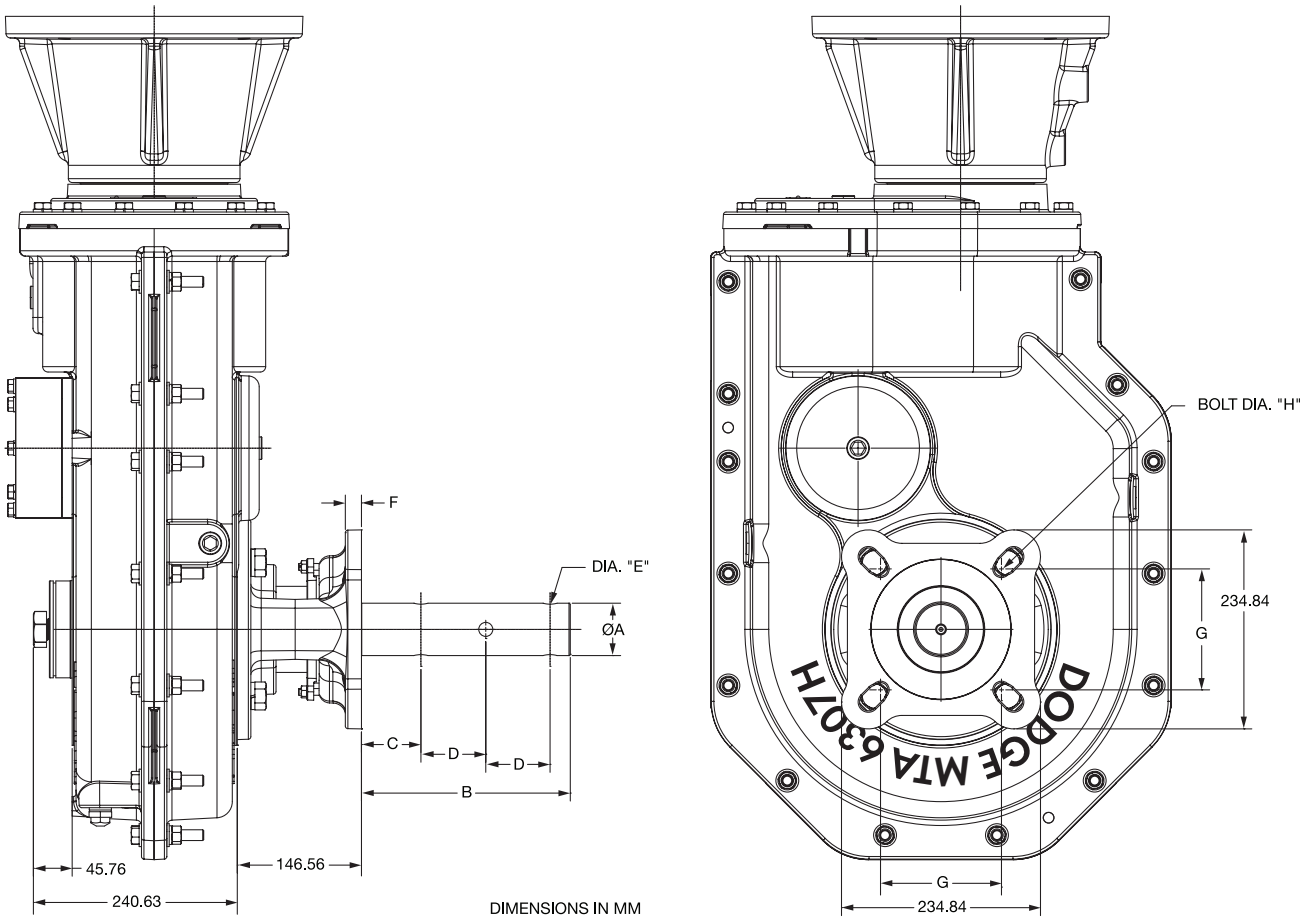
Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered standard shaft			
TA6307TB x 3-7/16	906020	7,6	7/8 x 7/16 x 10.82
TA6307TB x 3-3/16	906021	8,0	3/4 x 3/8 x 10.82
TA6307TB x 3	906022	8,7	3/4 x 3/8 x 10.82
TA6307TB x 2-15/16	906023	8,9	3/4 x 3/8 x 10.82
TA6307TB x 2-7/8	906024	9,1	3/4 x 3/8 x 10.82
TA6307TB x 2-11/16	906025	9,5	5/8 x 5/16 x 10.82
TA6307TB x 2-1/2	906026	10,0	5/8 x 5/16 x 10.82
TA6307TB x 2-7/16	906027	10,1	5/8 x 5/16 x 10.82

Twin tapered bushings (inch bushings)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered short shaft			
TA6307TBS x 3-7/16	906031	7,5	7/8 x 7/16 x 6.72
TA6307TBS x 3-3/16	906032	8,6	3/4 x 3/8 x 6.72
TA6307TBS x 3	906033	9,5	3/4 x 3/8 x 6.72
TA6307TBS x 2-15/16	906034	9,8	3/4 x 3/8 x 6.72
TA6307TBS x 2-7/8	906035	10,1	3/4 x 3/8 x 6.72
TA6307TBS x 2-11/16	906036	10,8	5/8 x 5/16 x 6.72
TA6307TBS x 2-1/2	906037	11,5	5/8 x 5/16 x 6.72
TA6307TBS x 2-7/16	906038	11,7	5/8 x 5/16 x 6.72

(5) Bushing kit required to mount MTA II reducer to driven shaft
(6) Bushing kit is not required to mount MTA II reducer on SCS drive shaft in a screw conveyor application
(7) 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.
(8) Minimum keyseat and shaft length required to mount reducer with bushing kit
(9) Always check the driven shaft and key for strength

Motorized Torque-Arm® II reducers
MTA6307 screw conveyor reducer



MTA6307H Screw conveyor drive dimensions

Screw diameter (inches)	Drive shaft diameter A (inches)	Dimensions (mm)						
		B	C	D	Hole diameter E	F	G	Bolt diameter H
12 , 14	2-7/16”	246	70	76	17	19	143	16
12, 14, 16,18, 20	3”	251	73	76	20	19	152	19
18, 20, 24	3-7/16”	334	99	102	23	19	171	19

Motorized Torque-Arm® II reducers
MTA6307 screw conveyor accessories

Bushing & safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA6307H	906114	0,5	907115	0,9
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA6307H	454570	1,1	472153	0,9

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

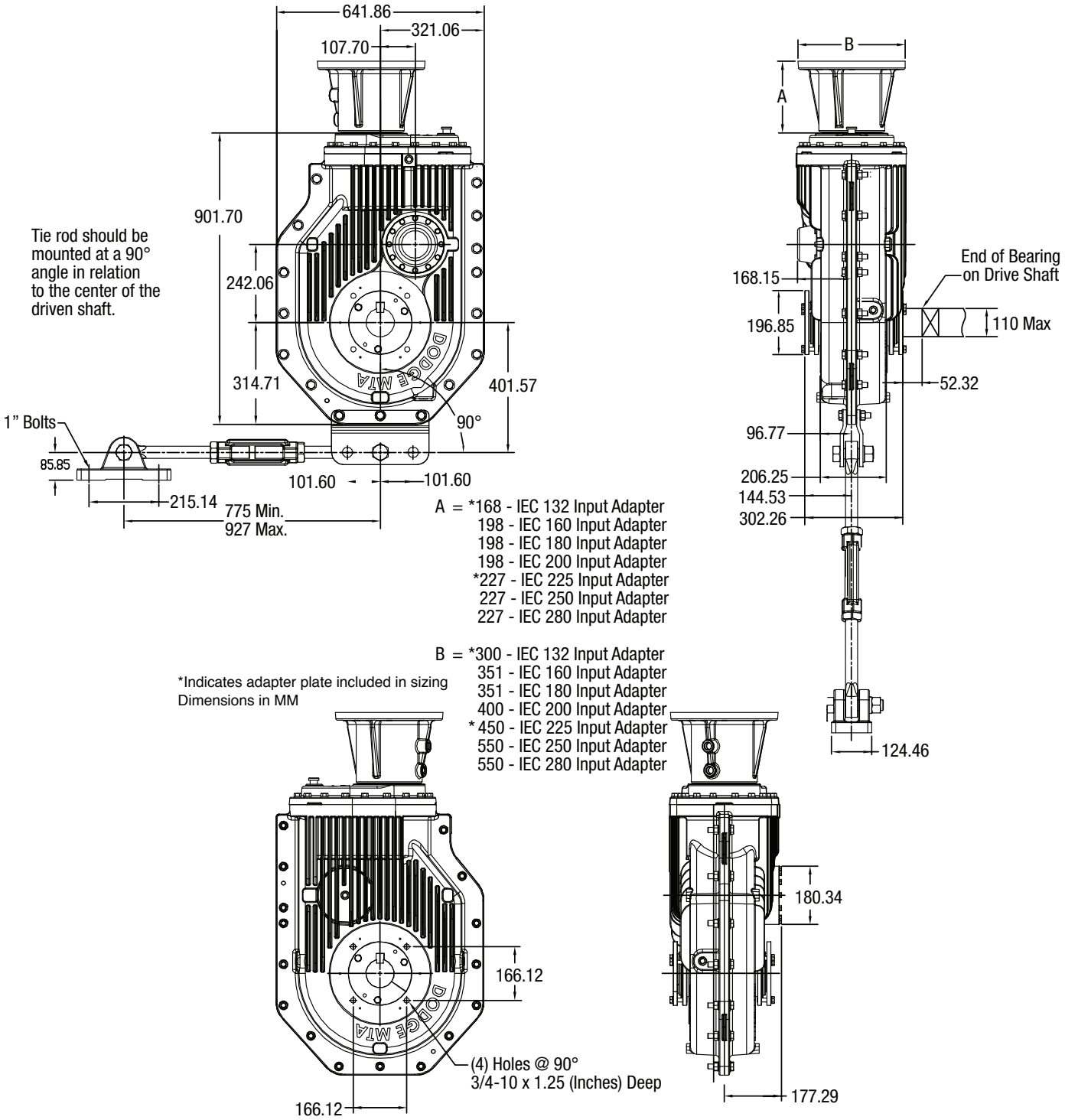
MTA6307H Accessories for screw conveyor drives (4) (5)

Description	Part number	Weight kgs.
TA6307SCA Adapter & hardware kit (2)	907070	22,7
TA6307SCP Adjustable packing kit (3)	907071	1,1
TA6307SCS x 2-7/16 Drive shaft	907074	34,9
TA6307SCS x 3 Drive shaft	907075	37,8
TA6307SCS x 3-7/16 Drive shaft	907076	44,1
TA6307SCS x 2-7/16 Stainless steel drive shaft	907082	34,9
TA6307SCS x 3 Stainless steel drive shaft	907083	37,8
TA6307SCS x 3-7/16 Stainless steel drive shaft	907084	44,1

(2) SCA Adapter & hardware kit includes adapter, mounting wedge, keeper plate, key, seals and hardware
(3) SCP Adjustable packing kit consists of flange, mounting hardware and braided packing seals
(4) SCS Drive shaft is a shaft only. Hardware is stocked with the adapter & hardware kit
(5) A complete MTA II screw conveyor drive includes a MTA II reducer, SCA adapter & hardware kit and SCS drive shaft. The SCP adjustable packing kit is an optional accessory.

Motorized Torque-Arm® II reducers
MTA7315 shaft mounted reducer

Motor adapters are designed to IEC B5 input dimensions.



REDUCER WITH BACKSTOP

Motorized Torque-Arm® II reducers
MTA7315 shaft mounted accessories

MTA7315 B5 flange reducer & adapter weights (kgs)

	Adapter size									
Reducer	90	100	112	132	160	180	200	225	250	280
Weight	—	—	—	356	358	363	368	379	381	383

MTA7315H Accessories

Description	Part number	Weight kgs.
TA9415RA Rod assembly - use for MTA7 & MTA8	909109	34,8
TA10507BS Backstop assembly use for MTA7315	910102	10,4
TA4-TA12 Vertical breather kit	904112	1,4
Filter breather kit	430049	0,1
TA4-TA9 Hydra-lock dessicant breather kit	964364	0,4
MTA2-8 Vertical position D breather kit	472300	0,4

Bushing & safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA7315H	907114	1,1	907115	0,9
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA7315H	472152	1,1	472153	0,9

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

MTA7315H Twin tapered bushing kits (5) (6)

Bushing size	Part number (7)	Weight kgs.	Shaft keyseat required (9)(10)
Regular shaft bushing kit			
TA7315MTB X 75 mm	907046	17,7	20 x 7,5 x 302
TA7315MTB X 80 mm	907045	16,8	22 x 9 x 302
TA7315MTB X 85 mm	907044	15,7	22 x 9 x 302
TA7315MTB X 90 mm	907043	14,8	25 x 9 x 302
TA7315MTB X 95 mm	907042	13,5	25 x 9 x 302
TA7315MTB X 100 mm	907041	12,3	28 x 10 x 302
TA7315MTB X 110 mm	907040	11,3	28 x 10 x 302

MTA7315H Short shaft tapered bushing kits (5) (6)

Bushing size	Part number (8)	Weight kgs.	Shaft keyseat required (9)(10)
Short shaft bushing kit			
TA7315MTBS x 75 mm	907054	17,7	20 x 7,5 x 194
TA7315MTBS x 80 mm	907053	16,8	22 x 9 x 194
TA7315MTBS x 85 mm	907052	15,7	22 x 9 x 194
TA7315MTBS x 90 mm	907051	14,8	25 x 9 x 194
TA7315MTBS x 95 mm	907050	13,5	25 x 9 x 194
TA7315MTBS x 100 mm	907049	12,3	28 x 10 x 194

Twin tapered bushings (inch bushings)

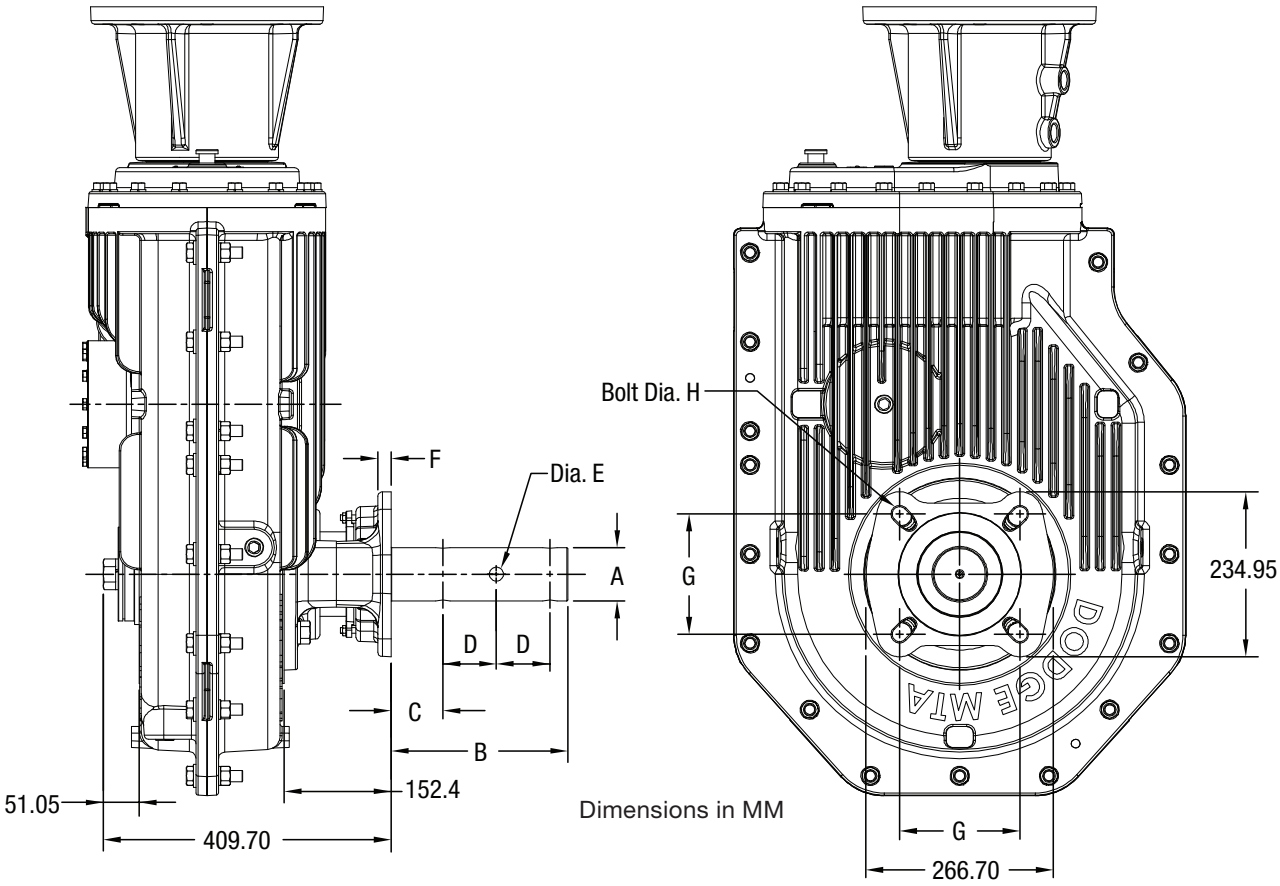
Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered standard shaft			
TA7315TB x 4-7/16	907019	9,3	1 x 1/2 x 11.87
TA7315TB x 4-3/16	907021	10,7	1 x 1/2 x 11.87
TA7315TB x 3-15/16	907022	11,9	1 x 1/2 x 11.87
TA7315TB x 3-7/16	907023	14,0	7/8 x 7/16 x 11.87
TA7315TB x 3-3/16	907024	14,8	3/4 x 3/8 x 11.87
TA7315TB x 3	907025	15,4	3/4 x 3/8 x 11.87
TA7315TB x 2-15/16	907026	15,7	3/4 x 3/8 x 11.87

Twin tapered bushings (inch bushings)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered short shaft			
—	—	—	—
—	—	—	—
TA7315TBS x 3-15/16	907031	12,1	1 x 1/2 x 7.62
TA7315TBS x 3-7/16	907032	15,5	7/8 x 7/16 x 7.62
TA7315TBS x 3-3/16	907033	16,7	3/4 x 3/8 x 7.62
TA7315TBS x 3	907034	17,6	3/4 x 3/8 x 7.62
TA7315TBS x 2-15/16	907035	18,0	3/4 x 3/8 x 7.62

(5) Bushing kit required to mount MTA II reducer to driven shaft
(6) Bushing kit is not required to mount MTA II reducer on SCS drive shaft in a screw conveyor application
(7) 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.
(8) Minimum keyseat and shaft length required to mount reducer with bushing kit
(9) Always check the driven shaft and key for strength

Motorized Torque-Arm® II reducers
MTA7315 screw conveyor reducer



MTA7315H Screw conveyor drive dimensions

Screw diameter (inches)	Drive shaft diameter A (inches)	Dimensions (mm)						
		B	C	D	Hole diameter E	F	G	Bolt diameter H
12 , 14	2-7/16”	246	70	76	17	19	143	16
12, 14, 16,18, 20	3”	251	73	76	20	19	152	19
18, 20, 24	3-7/16”	334	99	102	23	19	171	19

Motorized Torque-Arm® II reducers
MTA7315 screw conveyor accessories

Bushing & safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA7315H	907114	1,1	906115	0,5
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA7315H	472152	0,5	472153	0,5

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

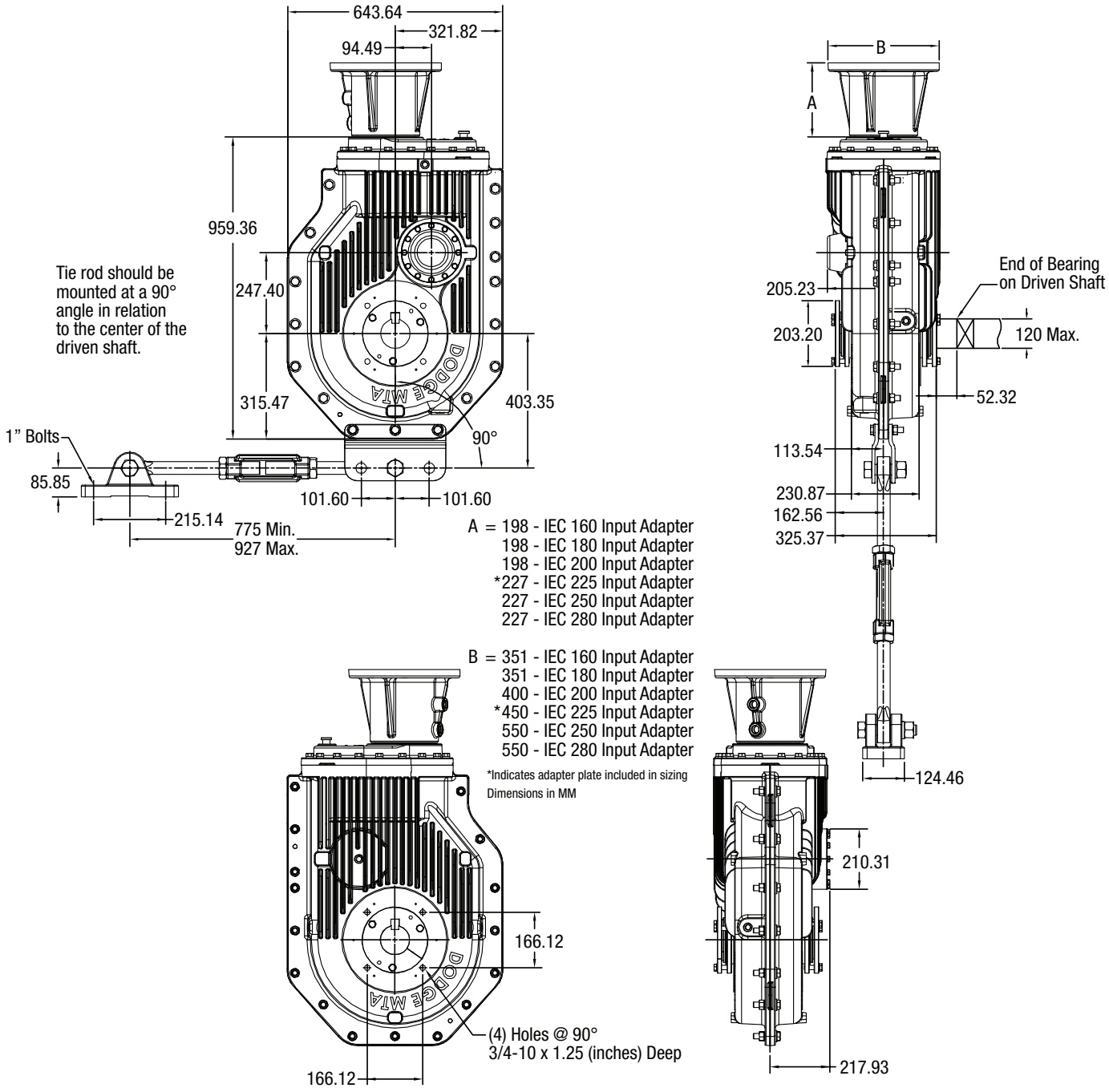
MTA7315H Accessories for screw conveyor drives (4) (5)

Description	Part number	Weight kgs.
TA7315SCA Adapter & hardware kit (2)	907070	22,7
TA7315SCP Adjustable packing kit (3)	907071	1,1
TA7315SCS x 2-7/16 Drive shaft	907074	34,9
TA7315SCS x 3 Drive shaft	907075	37,8
TA7315SCS x 3-7/16 Drive shaft	907076	44,1
TA7315SCS x 2-7/16 Stainless steel drive shaft	907082	34,9
TA7315SCS x 3 Stainless steel drive shaft	907083	37,8
TA7315SCS x 3-7/16 Stainless steel drive shaft	907084	44,1

(2) SCA Adapter & hardware kit includes adapter, mounting wedge, keeper plate, key, seals and hardware
(3) SCP Adjustable packing kit consists of flange, mounting hardware and braided packing seals
(4) SCS Drive shaft is a shaft only. Hardware is stocked with the adapter & hardware kit
(5) A complete MTA II screw conveyor drive includes a MTA II reducer, SCA adapter & hardware kit and SCS drive shaft. The SCP adjustable packing kit is an optional accessory.

Motorized Torque-Arm® II reducers
MTA8407 shaft mounted reducer

Motor adapters are designed to IEC B5 input dimensions.



REDUCER WITH BACKSTOP

Motorized Torque-Arm® II reducers
MTA8407 shaft mounted accessories

MTA8407 B5 flange reducer & adapter weights (kgs)

	Adapter size									
Reducer	90	100	112	132	160	180	200	225	250	280
Weight	—	—	—	—	420	424	429	440	442	445

MTA8407H Accessories

Description	Part number	Weight kgs.
TA9415RA Rod assembly - use for MTA7 & MTA8	909109	34,8
TA12608BS Backstop assembly use for MTA8407	912102	17,7
TA4-TA12 Vertical breather kit	904112	1,4
Filter breather kit	430049	0,1
TA4-TA9 Hydra-lock dessicant breather kit	964364	0,4
MTA2-8 Vertical position D breather kit	472300	1,4

Bushing & safety end covers

Reducer size	Metal end cover part numbers			
	Closed	Weight kgs.	Split	Weight kgs.
MTA8407H	908114	1,2	908115	1,0
Reducer size	**ABS end cover part numbers**			
	Closed	**Weight kgs.**	**Split**	**Weight kgs.**
MTA8407H	472252	1,2	472253	1,0

MTA is drilled and tapped to accept the ABS bushing cover bolts. Aluminum covers require customer fitment to the reducer. Bushing covers fit both the outboard and inboard side of the MTA reducer.

MTA8407H Twin tapered bushing kits (5) (6)

Bushing size	Part number (7)	Weight kgs.	Shaft keyseat required (9)(10)
Regular shaft bushing kit			
TA8407MTB X 90 mm	908038	18,4	25 x 9 x 326
TA8407MTB X 95 mm	908037	17,1	25 x 9 x 326
TA8407MTB X 100 mm	908036	16,0	28 x 10 x 326
TA8407MTB X 110 mm	908035	12,9	28 x 10 x 326
TA8407MTB X 120 mm	908034	12,1	32 x 11 x 326

MTA8407H Short shaft tapered bushing kits (5) (6)

Bushing size	Part number (8)	Weight kgs.	Shaft keyseat required (9)(10)
Short shaft bushing kit			
TA8407MTBS x 90 mm	908045	18,4	25 x 9 x 206
TA8407MTBS x 95 mm	908044	17,1	25 x 9 x 206
TA8407MTBS x 100 mm	908043	16,0	28 x 10 x 206
TA8407MTBS x 110 mm	908042	12,9	28 x 10 x 206

Twin tapered bushings (inch bushings)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered standard shaft			
TA8407TB x 4-7/16	908020	11,8	1 x 1/2 x 12.82
TA8407TB x 4-3/16	908021	13,2	1 x 1/2 x 12.82
TA8407TB x 3-15/16	908022	14,6	1 x 1/2 x 12.82
TA8407TB x 3-7/16	908023	16,7	7/8 x 7/16 x 12.82

Twin tapered bushings (inch bushings)

Bushing size	Part number	Weight kgs.	Shaft keyseat required (inch)
Twin tapered short shaft			
TA8407TBS x 4-7/16	908027	12,2	1 x 1/2 x 8.10
TA8407TBS x 4-3/16	908028	14,2	1 x 1/2 x 8.10
TA8407TBS x 3-15/16	908029	16,2	1 x 1/2 x 8.10
TA8407TBS x 3-7/16	908030	19,2	7/8 x 7/16 x 8.10

(5) Bushing kit required to mount MTA II reducer to driven shaft
(6) Bushing kit is not required to mount MTA II reducer on SCS drive shaft in a screw conveyor application
(7) 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.
(8) Minimum keyseat and shaft length required to mount reducer with bushing kit
(9) Always check the driven shaft and key for strength

Motorized Torque-Arm® II reducers
Harsh duty accessories

Bushing end covers

Reducer size	Metal end cover part numbers			Weight kgs.	Reducer Size	Metal end cover part numbers			Weight kgs.
	Closed	Weight kgs.	Split			Closed	Weight kgs.	Split	
MTA2115H	902114	0,27	902115	0,23	MTA2115H	454374	0,27	454375	0,23
MTA3203H	903114	0,27	903115	0,23	MTA3203H	472052	0,27	472053	0,23
MTA4207H	904114	0,54	904115	0,45	MTA4207H	454500	0,54	454501	0,45
MTA5215H	905114	0,54	905115	0,45	MTA5215H	454570	0,54	454571	0,45
MTA6307H	906114	0,68	906115	0,45	MTA6307H	454570	0,68	454571	0,45
MTA7315H	907114	0,73	907115	0,50	MTA7315H	472152	0,73	472153	0,50
MTA8407H	908114	0,77	908115	0,54	MTA8407H	472252	0,77	472253	0,54

Oil sump immersion heaters (2)

Reducer size	Part number	
MTA2-MTA3	241103 (3)	(2) 110 volt, single phase, AC cartridge heater, threads into special tapped housing hole. Provides for approximately 70 degrees (F) temperatures rise in one hour for cold climates. Simple time phased on/off construction without thermostat.
MTA4-MTA6	241104	
MTA7-MTA8	Consult Dodge	
		(3) These MTA II reducers have to be factory modified to allow installation of sump heater. Consult Dodge.

Harsh duty breathers

Enclosed chamber breather		Filter breather		Hydra-lock dessicant breather kits	
Reducer size	Part number	Reducer size	Part number	Reducer size	Part number
MTA2-MTA8	240050	MTA2-MTA3	430048	MTA2-MTA3	964372
		MTA4-MTA8	430049	MTA4-MTA8	964364

V-ring seal kits

Reducer size	Part number	Weight kgs.
MTA2115H	902249	0,05
MTA3203H	903249	0,05
MTA4207H	904249	0,09
MTA5215H	905249	0,09
MTA6307H	906249	0,14
MTA7315H	907249	0,18
MTA8407H	908249	0,18

Motorized Torque-Arm® II reducers
MTA engineering information

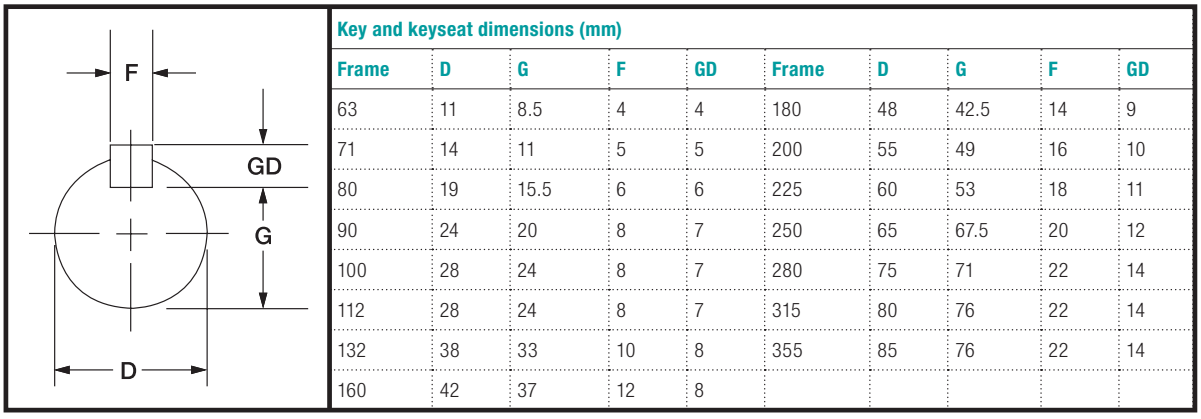
Thrust Capacity for Screw Conveyor Drives (kg)

Case size	Output speed (RPM)								
	10	25	50	75	100	125	150	175	200
MTA2115H	2722	2722	2722	2415	2201	2064	1949	1854	1780
MTA3203H	2722	2722	2722	2722	2614	2417	2278	2184	2103
MTA4207H	2722	2722	2722	2722	2722	2722	2722	2722	2722
MTA5215H	2722	2722	2722	2722	2722	2722	2722	2722	2722
MTA6307H	2722	2722	2722	2670	2353	2135	2012	1952	1937
MTA7315H	†	†	†	†	†	†	†	†	†
MTA8407H	na	na	na	na	na	na	na	na	na

† Consult Dodge

Kilowatts	IEC motor frame 4 pole	IEC motor frame 2 pole	Shaft diameter mm
1,5	90	90	24
2,2	100	90	28 / 24
3	112	112	28
4	112	112	28
5,5	132	132	38
7,5	132	132	38
11	160	160	42

Kilowatts	IEC motor frame 4 pole	IEC motor frame 2 Pole	Shaft diameter mm
15	160	160	42
18,5	180	160	48 / 42
22	180	180	48
30	200	200	55
37	225	200	60 / 55
45	225	225	60
55	250	250	70
75	280	280	80

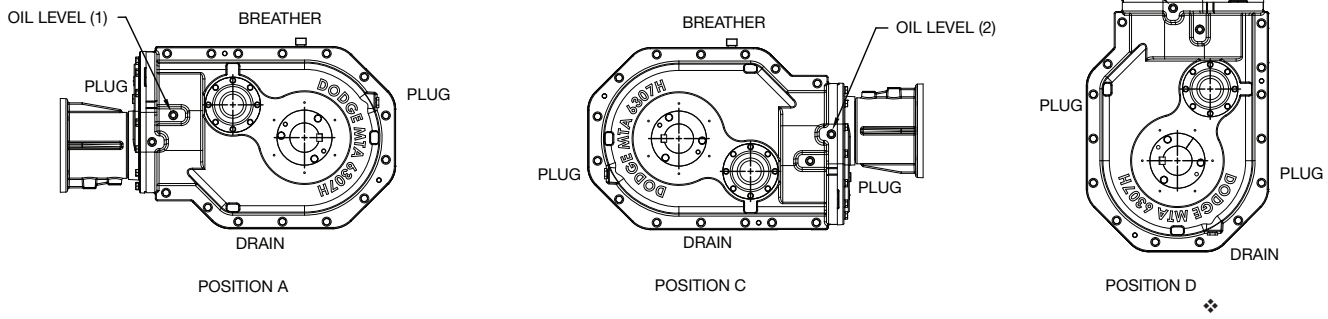


Key and keyseat dimensions (mm)

Frame	D	G	F	GD	Frame	D	G	F	GD
63	11	8.5	4	4	180	48	42.5	14	9
71	14	11	5	5	200	55	49	16	10
80	19	15.5	6	6	225	60	53	18	11
90	24	20	8	7	250	65	67.5	20	12
100	28	24	8	7	280	75	71	22	14
112	28	24	8	7	315	80	76	22	14
132	38	33	10	8	355	85	76	22	14
160	42	37	12	8					

Motorized Torque-Arm® II reducers
Mounting positions

HORIZONTAL MOUNTING



VERTICAL MOUNTING

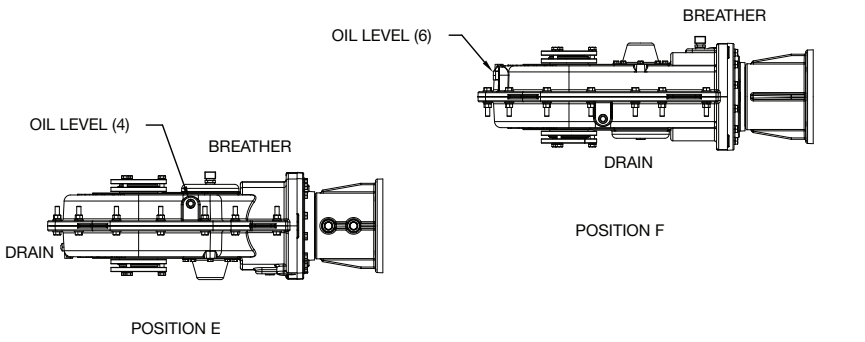
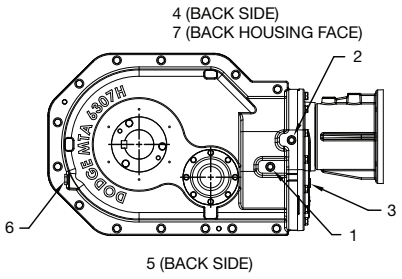


Figure1

TYPICAL OIL HOLE LOCATIONS



Vent and plug locations

Mounting position	Vent and plug locations for all speeds						
	1	2	3	4	5	6	7
Position A	Oil level	Plug	Plug	Drain	Breather	Plug	Plug
Position C	Plug	Oil level	Plug	Breather	Drain	Plug	Plug
Position D	Plug	Oil level	Breather	Plug	Plug	Drain	Plug
Position E	Plug	Plug	Plug	Oil level	Plug	Drain	Breather
Position F	Breather	Plug	Plug	Plug	Plug	Oil level	Drain

Oil volumes

Case size	Oil volume in quarts †■▲ ●⊙❖						Oil volume in liters †■▲ ●⊙❖					
	Horizontal				Vertical		Horizontal				Vertical	
	A	B	C	D ❖	E (Up)	F (Down)	A	B	C	D ❖	E (Up)	F (Down)
MTA2115H	4-1/4	⊙	3-5/8	7	5-3/8	5-5/8	3-3/4	⊙	3-1/2	6-5/8	5	5-3/8
MTA3203H	6-3/8	⊙	4-3/8	9-3/4	7-3/8	7-5/8	6	⊙	4-1/8	9-1/4	7	7-1/8
MTA4207H	8-1/4	⊙	6-3/4	13-1/8	9-1/4	9-5/8	7-7/8	⊙	6-3/8	12-3/8	8-7/8	9-1/8
MTA5215H	14	⊙	10-1/8	21	16	16-7/8	13-1/4	⊙	9-5/8	20	15-1/8	16
MTA6307H	18-3/8	⊙	15-3/8	30-1/8	23-1/2	24-7/8	17-3/8	⊙	14-1/2	28-1/2	22-1/4	23-1/2
MTA7315H	25	⊙	19-5/8	38-1/4	23-1/4	26-1/2	23-5/8	⊙	18-1/2	36-1/2	22	25-1/8
MTA8407H	29-1/8	⊙	22-5/8	52	31-3/4	31-3/4	27-5/8	⊙	21-3/8	49-1/4	30	30

† Refer to figure 1 for mounting positions

■ **Oil quantity is approximate. Service with lubricant until oil runs out of oil level hole as indicated per drawing for each position in figure 1**

▲ US measure: 1 quart = 32 fluid ounces =.94646 liters

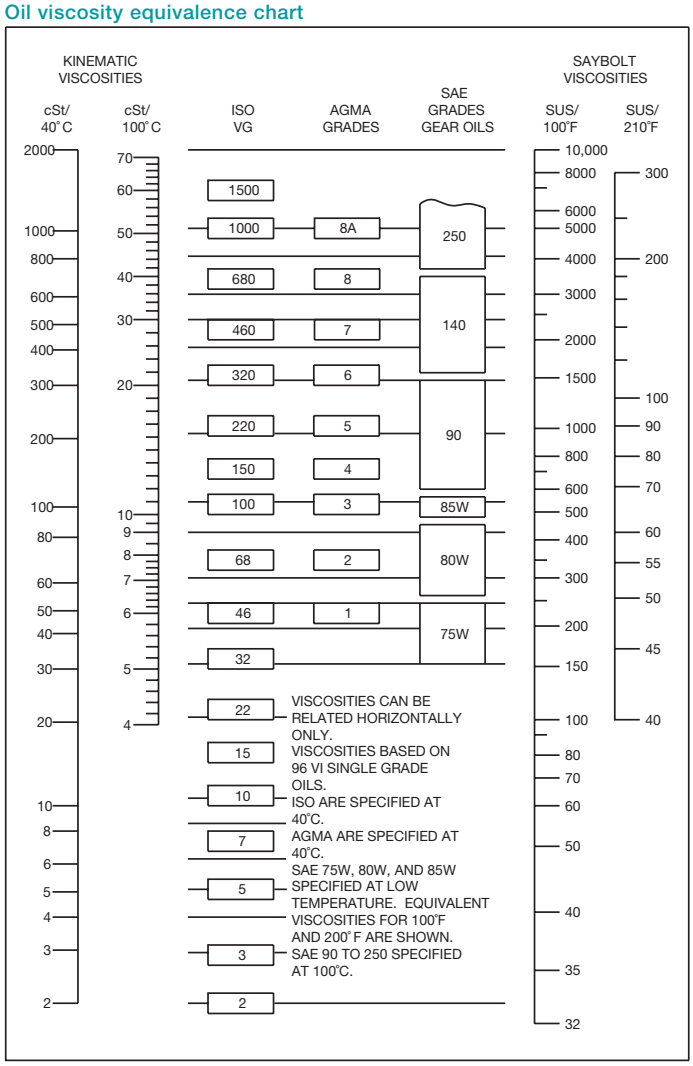
● Below 15 RPM output speed, oil level must be adjusted to reach the highest oil level plug. If reducer position is to vary from those shown in figure 1, either more or less oil may be required. Consult Dodge.

⊙ Position B not recommended, check with factory

❖ For position D - it is recommended to use a "position D breather kit", part number - 472300

Motorized Torque-Arm® II reducers
MTA engineering information

Oil viscosity equivalence chart



Recommended lubricants for Motorized Torque Arm II reducers +

	Standard oils		EP oils	
Exxon				
150	Teresstic	150	Spartan EP	150
220		220		220
320		320		320
Chevron				
150	Machine	150	Gear compound	150
220		220	EP	220
320		320		320
Unical				
150	Turbine oil	150	Extra duty HL	141
220		220	Gear lube	207
320		320		300
Mobil Synthetic				
150	SHC Gear	150	SHC XMP	120
220	SHC Gear	220	SHC XMP	220
320	SHC Gear	320	SHC XMP	320
Mobil				
150	Mobil DTE	BB	Mobilgear 600 XP	629
220	Extra heavy	AA	Mobilgear 600 XP	630
320			Mobilgear 600 XP	632
Texaco				
150	Regal oil R&O	150	Meropa	150
220		220		220
320		320		320
Shell				
150	Morlina S2 B	150	Omala S2 G	150
220		220		220
320		320		320

+ Partial list. Consult Dodge or a lubricant manufacturer for further options and check lubricant manufacturers websites for new revisions in oil nomenclature.

Motorized Torque-Arm® II reducers
MTA engineering information

Table 1 – Oil recommendations

ISO Grades for ambient temperatures of 10° to 51°C							
Output RPM	Motorized Torque-Arm II reducer size						
	MTA2115H	MTA3203H	MTA4207H	MTA5215H	MTA6307H	MTA7315H	MTA8407H
151 – 200	320	220	220	220	220	220	220
126 – 150	320	220	220	220	220	220	220
101 – 125	320	320	220	220	220	220	220
81 – 100	320	320	320	220	220	220	220
41 – 80	320	320	320	220	220	220	220
11 – 40	320	320	320	320	320	320	320
1 – 10	320	320	320	320	320	320	320

Table 2 – Oil recommendations

ISO Grades for ambient temperatures of -10°C to 15°C							
Output RPM	Motorized Torque-Arm II reducer size						
	MTA2115H	MTA3203H	MTA4207H	MTA5215H	MTA6307H	MTA7315H	MTA8407H
151 – 200	220	150	150	150	150	150	150
126 – 150	220	150	150	150	150	150	150
101 – 125	220	220	150	150	150	150	150
81 – 100	220	220	220	150	150	150	150
41 – 80	220	220	220	150	150	150	150
11 – 40	220	220	220	220	220	220	220
1 – 10	220	220	220	220	220	220	220

1. Assumes auxiliary cooling where recommended in the catalog.
2. Pour point of lubricant selected should be at least 5°C lower than expected minimum ambient starting temperature.
3. Extreme pressure (EP) lubricates are not necessary for average operating conditions. When properly selected for specific applications, MTA II backstops are suitable for use with EP lubricants.
4. Special lubricants may be required for food and drug industry applications where contact with the product being manufactured may occur. Consult a lubrication manufacturer's representative for his recommendations.
5. For reducers operating in ambient temperatures between -30°C (-22°F) and –6.6°C (20°F) use a synthetic hydrocarbon lubricant, 100 ISO grade or AGMA 3 grade (for example, Mobil SHC627). Above 51°C (125°F), consult DODGE gear application engineering (864) 297-4800
6. Mobil SHC630 Series oil is recommended for high ambient temperatures.

Motorized Torque-Arm® II reducers
MTA engineering information

Dodge® Motorized Torque-Arm II reducer assembly varient codes

Code	Variant	Reducer size						
		M2	M3	M4	M5	M6	M7	M8
264	Assemble as kit (use to receive MTA reducer and adapter assembled)	R	R	R	R	R	R	R
265	Assemble to xxx (use on both MTA reducer assembly line AND motor line to receive reducer, adapter, and motor assembled as a kit)	R	R	R	R	R	R	R

R = on request.

For your notes

For your notes

Motorized Torque-Arm® II reducers

To receive a copy of the Dodge Bearing Engineering Catalog, Dodge Gearing Engineering Catalog or Dodge Power Transmission Components Engineering Catalog, contact your local authorized Dodge Distributor or Baldor Electric Co., P.O. Box 499, 6040 Ponders Court, Greenville, SC 29602.

ATEX 94/9/EC

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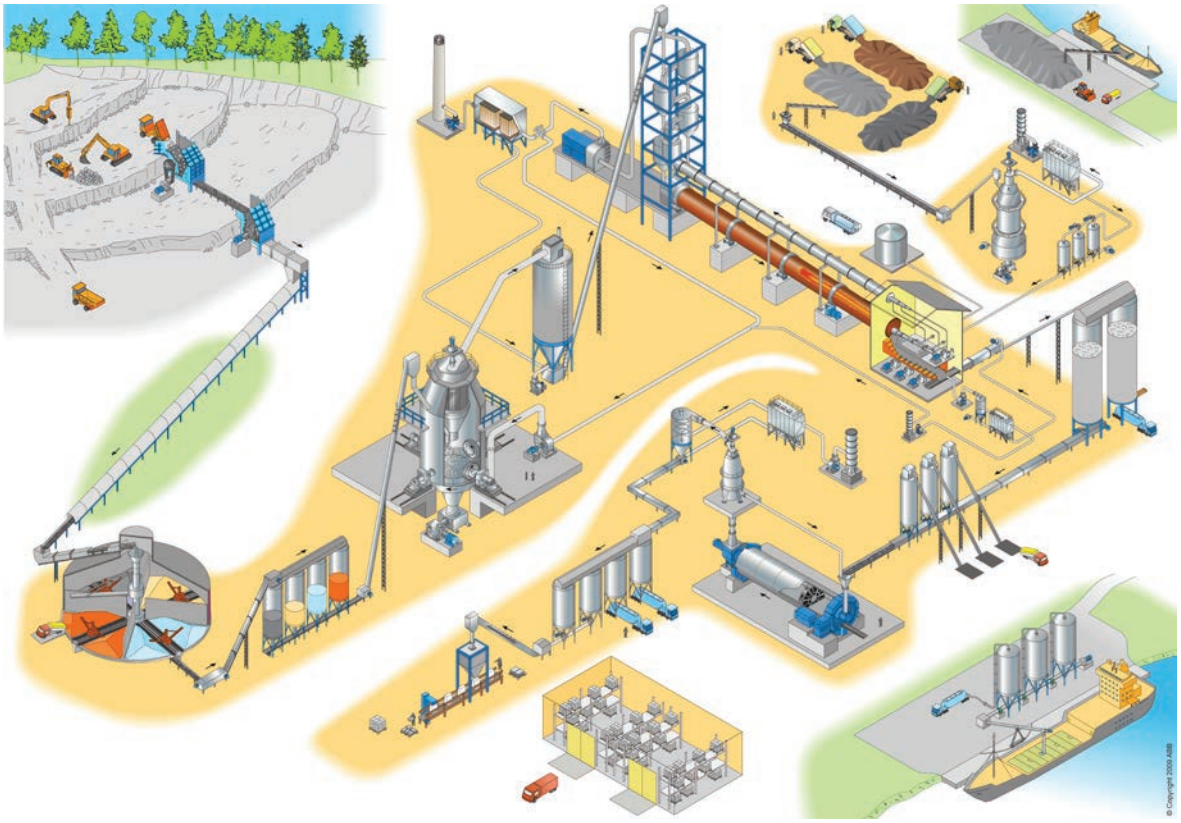

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- Dodge synchronous and v-belt drives
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- Dodge tapered roller bearings
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- Induction modular motors
- Slip-ring modular motors
- Synchronous reluctance motors

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9AKK106536 EN 04-2015

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