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# Dodge® Motorized Torque-Arm II

## Features and benefits

Since 1949, Dodge® Torque-Arm products have proven dependability with more than 2 million units in service throughout the world. Dodge Torque-Arm speed reducers are the standard of the industry. Extending the product offering to include, Dodge Motorized Torque-Arm II, we now offer a heavy-duty, compact, right angle gearbox that is available from stock and decreases maintenance and reduces the overall total cost of ownership.



Dodge Motorized Torque-Arm II shaft mount reducers deliver longer life in demanding applications. Designed with a patented harsh duty sealing system, twin tapered bushings, and the highest torque rating per case size, Motorized Torque-Arm II reducers provide maximum reliability with less maintenance to increase operating time and lower your total cost of ownership.

### Backstop

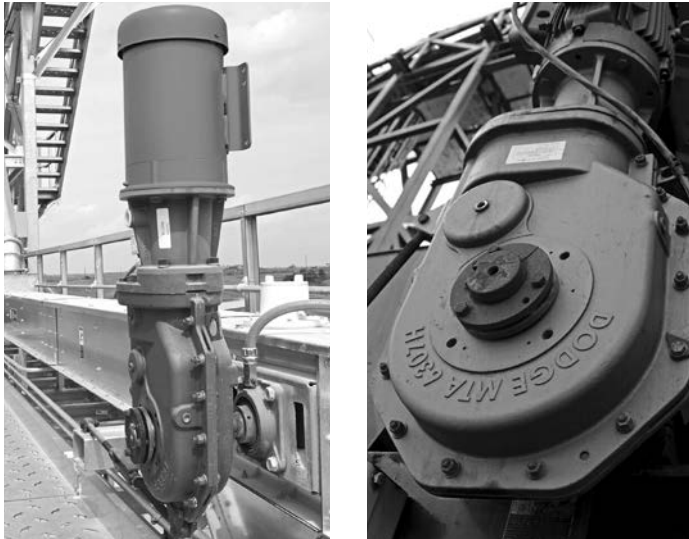
The backstop design features a unique sprag profile for extended life and designed for use with lubricants containing EP additives.

### Sealing system

In addition, the Motorized Torque-Arm II line has a patented, premium sealing system that uses a Harsh Duty oil seal protected by a metal excluder seal with rubbing lip. This harsh duty sealing system makes this reducer series a perfect fit for today's harsh duty industries such as aggregates, mining, cement, asphalt, mixing & milling and ethanol.

### Twin tapered bushings

The patented twin tapered bushing system – in standard length, short shaft, and metric versions – offers all the features of our standard twin tapered Torque-Arm bushing design which are unique to Dodge.



## Accessories

Dodge® Motorized Torque-Arm II  
MTA uses standard TA II accessories



### Standard twin tapered bushing system

Is an easy on, easy off, no-wobble bushing system featuring a fully split, ductile iron 8° taper and reliable twin support. Available in inch and metric bores. Increased bore capability in many sizes.



### Short-shaft twin-tapered bushing kits

Eliminate the need for full-length shafts. Constructed with ductile iron, it has all the Features of our standard bushing system. Available in both inch and metric bores. The patented insertable tapered wedge enables the optional extended tapered bushing kit to be applied for shorter shaft lengths, allowing the replacement of straight bore reducers.



### MTA II bushing covers

Provide protection from the spinning bushing bolts and offer an added layer of contamination protection. The MTA II is drilled and tapped for the heavy duty ABS covers.

ABS

### Backstop

This new-design backstop option helps prevent reverse rotation in high stop-start loads, and results in less wear and longer life. Its centrifugal sprag design operates with standard and EP lubricants and requires no external lubrication. NOTE: MTA II reducers require a larger backstop than equivalent TA II. See MTA II section for ALL MTA II accessories.



### TA rod kit

Ruggedly constructed, the rod kit includes standard brackets and offers universal mounting options.



### Screw conveyor adapter

The CEMA bolt-on screw conveyor adapter features double-lip seals on both surfaces. The adapter center is open for contaminate drop out for optimized sealing. An optional adjustable packing kit bolts to the standard adapter and provides a proven sealing option for hostile environments. Packing can be retightened.



### Driveshafts

The screw conveyor driveshafts are made from high alloy steel and engineered To CEMA dimensions. They are three-bolt drilled and their tapered fit ensures simple installation. The rugged locking plate (patent pending) also provides a mechanical shaft removal feature. #316 Stainless Steel drive shafts also available.



## Torque-Arm family breather technology

### 1.

**Standard Breather** is a filter breather

- Cotton filter media
- Screen to support filter
- Chamber to allow oil to collect and return to reducer
- Non captured filter (should not clog and block air exit)

### 1.



**Harsh Duty Breathers are available**

### 2.

**Hydra-Lock** desiccant breather

- Built in standpipe
- 3 micron filter media top and bottom
- Desiccant material changes color from blue (good) to pink (replace)
- Check valve system, so breather is only open to atmosphere under pressure or vacuum. Closed when not running.

### 2.



### 3.

**Fully enclosed canister breather**

- Allows no outside air
- Excellent protections for extreme wet environments

### 3.



### 4.

**Optional Position D breather kit**

- Use when reducer is mounted in position D (G1-65)
- Includes: Enclosed Breather, sight glass, all necessary piping to allow for fitment to all sizes of MTA

### 4.



## Motorized Torque-Arm II shaft mount speed reducers

Easy selection method (for electric motors) for Motorized Torque-Arm II reducer and screw conveyor drive reducer applications

### When to use Easy Selection

The Easy Selection tables for MTA II reducers are for electric motor selections up to 100 horsepower with output speeds up to ~150 RPM, using AGMA recommended application class numbers. For extreme shock or high energy loads which must be absorbed, as when stalling; for a power source other than an electric motor; or for extreme ambient temperatures or oversized equipment, consult Dodge Application Engineering, 864-284-5700.

### How to select

**Step 1: Determine class of service** – See Application Classification table on page G1-6, to determine load classification for applications under normal conditions. Find the type application and duty cycle:

**Class 1** – Steady load not exceeding motor Hp rating and light shock loads during 10 hours a day. Moderate shock loads are allowable if operation is intermittent. For Class 1 applications, the maximum value of starting and momentary peak loads should not exceed 2 x motor Hp rating. If it exceeds this amount it should be divided by 2 and the result used in the selection table instead of the motor Hp rating.

**Class 2** – Steady load not exceeding Motor Hp rating for over 10 hours a day. Moderate shock loads are allowable during 10 hours a day. For Class 2 applications, the maximum value of starting and momentary peak loads should not exceed 2.8 x motor Hp rating. If it exceeds this amount it should be divided by 2.8 and the result used in the selection table instead of the motor Hp rating.

(Note: most Torque-Arm applications are class 2 or better. Torque-Arm products are usually used in heavy duty applications)

**Step 2: Determine reducer size** – From the Easy Selection, Class I, II or III, Tables, pages G1-18 thru G1-25, find the reducer size for the application horsepower and output speed.

**Step 3: Compare hollow shaft bore with the size of the driven shaft.** All Dodge MTA II taper bushed reducers require bushings to mount reducer to driven shaft. Refer to reducer pages for available bushings. If the driven shaft is larger than the bore of the selected reducers, the shaft must be machined to the proper size, or select a larger reducer. Check driven shaft and key for strength.

**Step 4: Check dimensions** – See "Selection and dimensions" pages for reducer dimensions, weights, part numbers and Torque-Arm rod mounting positions. See "Engineering and technical" pages for reducer mounting positions, G1-61.

**Step 5: Select Accessories** – See "Selection and dimensions" pages for description, dimensions, weights and part numbers for accessories for the MTA II reducer selected: Rod assembly - bushing kit – backstop assembly – bushing covers – screw conveyor adapter – adjustable packing kit – drive shaft – optional harsh duty breathers

### Shaft mount reducer application:

A 10 Hp 1750 RPM motor is used to drive a belt conveyor moving sand at 70 RPM. The conveyor is uniformly loaded and operates 16 hours per day. The head pulley shaft diameter is 2-3/16". The user specifications call for a means of holding the conveyor from moving backwards.

**Step 1: Determine class of service** – From the table on page G1-6 locate the appropriate application, "belt conveyors, uniformly loaded or fed" for over 10 hours per day. This load is classified as a Class II application.

**Step 2: Determine reducer size** – From Class II selection, page G1-22, find the column for 10 Hp and read down to 70 RPM. At 71 RPM a reducer size M3H25T21C is the closest correct selection. If a full reducer and motor assembly is desired, see page G1-27 and use part number M3H25T21C1018, to include the motor.

**Step 3: Compare hollow shaft bore of a size M3 reducer size with the head pulley shaft diameter.** Per page G1-38, 2-3/16" is a bore available for this size of reducer. It will work in this application. Be sure to check the driven shaft and key for strength.

**Step 4 Check dimensions and weights** – See "Selection and dimensions" pages for reducer dimensions, weights, part numbers and other pertinent drive dimensions, as well as information on Torque-Arm rod mounting positions. See Engineering/Technical pages for information on reducer mounting positions G1-61.

**Step 5: Select accessories** – See "Selection and dimensions" pages to pick out accessories for this application: TA4207BS Backstop assembly (MTA II uses larger backstops than same case size TA II), to hold the conveyor from moving backwards; TA3203RA Tie rod assembly, for attaching the reducer to the structure. ABS polymer bushing covers, to cover and protect the rotating bushing bolts.

## Selection

Motorized Torque-Arm II shaft mount speed reducers

Selection guide: MTA II Torque-Arm shaft mount reducers and screw conveyor drives

This is a reference sheet for quick selection and specification on Dodge TA II Shaft Mount Reducers. Use it to identify information needed to make an accurate selection with a step-by-step selection format for choosing a reducer, accessories and belt drive.

Name		Company name	
Phone no.	Fax no.	Email	

Application data

### Driven equipment

Type	RPM	Shaft size	
Hours of service/day	Class of service		
Type of load	Uniform	Moderate	Shocks

### Screw conveyor applications

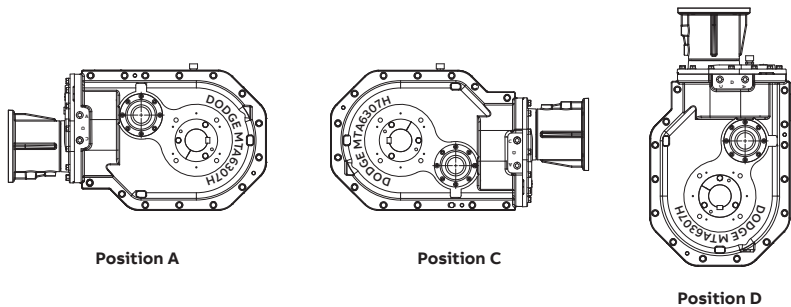
Screw diameter	Drive shaft diameter		
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<b>Motor</b>	Hp	RPM	Frame size	Shaft size
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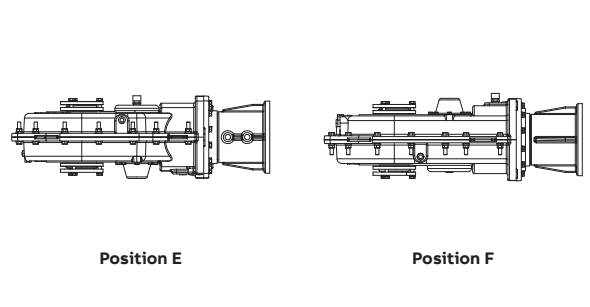
Type of reducer mountings	Horizontal	Position D - Motor Up		
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Vertical: Driven Shaft - E or F	Incline (degree of)	Flange mounting		
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Horizontal mounting - Output shaft vertical



Vertical mounting - Output shaft vertical



Unusual ambient temperature

Other important application characteristics (reversing duty, start/stop cycles)

### Reducer drive selection

**Step 1** – Determine class of service

**Step 2** – From the Class of Service table, select reducer type, size and ratio that meets application Hp and driven RPM requirements

Twin taper bushed	Screw conveyor
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**Step 3** – Select reducer accessories required for application

Twin taper bushing kit	Standard shaft	Short shaft
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Rod assembly	Backstop	Adapter & Hardware kit
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Adjustable packing kit	Drive shaft	Stainless drive shafts
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Other

## Determining Service Class

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

### Notes:

1. Crane drives are to be selected based upon the gear tooth bending strength using the numeric service factors,  $K_{SF}$ , shown in the table or by analysis such as Miner's Rule. In all cases, the pitting resistance service factor shall be a minimum of 1.0. Contact gear manufacturer for ratings.
2. Service factors for paper mill applications are applied to the nameplate rating of the electric drive motor at the motor rated based speed.
3. Anti-friction bearings only. Use 1.5 for sleeve bearings.
4. A service factor of 1.00 may be applied at base speed of a super calender operating over-speed range of part range constant power, part range constant torque where the constant power speed range is greater than 1.5 to 1. A service factor of 1.25 is applicable to super calendars operating over the entire speed range at constant torque or where the constant power speed range is less than 1.5 to 1.

### Application classification

Application	Class numbers		
	Up to 3 hours per day	3 - 10 hours per day	Over 10 hours per day
<b>Agitators (mixers)</b>			
Pure liquids	I	I	II
Liquids and solids	I	II	II
Liquids-variable density	I	II	II
<b>Blowers</b>			
Centrifugal	I	I	II
Lobe	I	II	II
Vane	I	II	II
<b>Brewing and distilling</b>			
Bottling machinery	I	I	II
Brew kettles - continuous duty	II	II	II
Cookers - continuous duty	II	II	II
Mash tubs - continuous duty	II	II	II
Scale hopper - frequent starts	II	II	II
<b>Can filling machines</b>	I	I	II
<b>Car dumpers</b>	II	III	III
<b>Car pullers</b>	I	II	II
<b>Clarifiers</b>	I	I	II
<b>Classifiers</b>	I	II	II
<b>Clay working machinery</b>			
Brick press	II	III	III
Briquette machine	II	III	III
Pug mill	I	II	II
<b>Compactors</b>	III	III	III
<b>Compressors</b>			
Centrifugal	I	I	II
Lobe	I	II	II
Reciprocating, multi-cylinder	II	II	III
Reciprocating, single-cylinder	III	III	III
<b>Conveyors-General purpose</b>	(Includes apron, assembly, belt, bucket, chain, flight, oven and screw)		
Uniformly loaded or fed	I	I	II
Heavy duty - not uniformly fed	I	II	II
Severe duty - reciprocating or shaker	II	III	III
<b>Cranes <sup>(1)</sup></b>			
Dry dock			
Main hoist	2.50	2.50	2.50
Auxiliary hoist	2.50	2.50	3.00
Boom hoist	2.50	2.50	3.00
Slewing drive	2.50	2.50	3.00
Traction drive	3.00	3.00	3.00
Container			
Main hoist	3.00	3.00	3.00
Boom hoist	2.00	2.00	2.00

(Continued)

**Determining Service Class** Class I - 1.0 service factor, Class II - 1.4 service factor, Class III - 2.0 service factor

Application	Class numbers		
	Up to 3 hours per day	3 - 10 hours per day	Over 10 hours per day
<b>Cranes <sup>(1)</sup> (continued)</b>			
Trolley drive			
Gantry drive	3.00	3.00	3.00
Traction drive	2.00	2.00	2.00
Mill duty			
Main hoist	3.50	3.50	3.50
Auxiliary	3.50	3.50	3.50
Bridge travel	2.50	3.00	3.00
Trolley travel	2.50	3.00	3.00
Industrial duty			
Main	2.50	2.50	3.00
Auxiliary	2.50	2.50	3.00
Bridge travel	2.50	3.00	3.00
Trolley travel	2.50	3.00	3.00
<b>Crusher</b>			
Stone or ore	III	III	III
<b>Dredges</b>			
Cable reels	II	II	II
Conveyors	II	II	II
Cutter head drives	III	III	III
Pumps	III	III	III
Screen drives	III	III	III
Stackers	II	II	II
Winches	II	II	II
<b>Elevators</b>			
Bucket	I	II	II
Centrifugal discharge	I	I	II
Escalators	I	I	II
Freight	I	II	II
Gravity discharge	I	I	II
<b>Extruders</b>			
General	II	II	II
Plastics			
Variable speed drive	III	III	III
Fixed speed drive	III	III	III
Rubber			
Continuous screw operation	III	III	III
Intermittent screw operation	III	III	III
<b>Fans</b>			
Centrifugal	I	I	II
Cooling towers	III	III	III
Forced draft	II	II	II
Induced draft	II	II	II
Industrial and mine	II	II	II
<b>Feeders</b>			
Aprons	I	II	II
Belt	I	II	II
Disc	I	I	II
Reciprocating	II	III	III
Screw	I	II	II
<b>Food Industry</b>			
Cereal cooker	I	I	II
Dough mixer	II	II	II
Meat grinders	II	II	II
Slicers	I	II	II

(Continued)



**Determining Service Class** Class I - 1.0 service factor, Class II - 1.4 service factor, Class III - 2.0 service factor

Application	Class numbers		
	Up to 3 hours per day	3 - 10 hours per day	Over 10 hours per day
<b>Generators and exciters</b>	II	II	II
<b>Hammer mills</b>	III	III	III
<b>Hoists</b>			
Heavy duty	III	III	III
Medium duty	II	II	II
Skip hoist	II	II	II
<b>Laundry tumblers</b>	II	II	II
<b>Laundry washers</b>	II	II	III
<b>Lumber industry</b>			
Barkers			
Spindle feed	II	II	II
Main drive	III	III	III
Conveyors			
Burner	II	II	II
Main or heavy duty	II	II	II
Main log	III	III	III
Re-saw, merry-go-round	II	II	II
Slab	III	III	III
Transfer	II	II	II
Chains			
Floor	II	II	II
Green	II	II	III
Cut-off saws			
Chain	II	II	III
Drag	II	II	III
Debarking drums	III	III	III
Feeds			
Edger	II	II	II
Gang	II	III	III
Trimmer	II	II	II
Log deck	III	III	III
Log-hauls - incline - well type	III	III	III
Log turning devices	III	III	III
Planer feed	II	II	II
Planer tilting hoists	II	II	II
Rolls- live-off bearing - roll cases	III	III	III
Sorting table	II	II	II
Tipple hoist	II	II	II
Transfers			
Chain	II	II	III
Craneway	II	II	III
Tray drives	II	II	II
Veneer lathe drives	II	II	II
<b>Metal mills</b>			
Draw bench carriage and main drive	II	II	II
Runout table			
Non-reversing			
Group drives	II	II	II
Individual drives	III	III	III
Reversing	III	III	III
Slab pushers	II	II	II
Shears	III	III	III
Wire drawing	II	II	II
Wire winding machine	II	II	II

(Continued)

**Determining Service Class** Class I - 1.0 service factor, Class II - 1.4 service factor, Class III - 2.0 service factor

Application	Class numbers		
	Up to 3 hours per day	3 - 10 hours per day	Over 10 hours per day
<b>Metal strip processing machinery</b>			
Bridles	II	II	II
Coilers and uncoilers	I	I	II
Edge trimmers	I	II	II
Flatteners	II	II	II
Loopers (accumulators)	I	I	I
Pinch rolls	II	II	II
Scrap choppers	II	II	II
Shears	III	III	III
Slitters			
<b>Mills, Rotary type</b>			
Ball and rod			
Spur ring gear	III	III	III
Helical ring gear	II	II	II
Direct connected	III	III	III
Cement kilns	II	II	II
Dryers and coolers	II	II	II
<b>Paper mills <sup>(2)</sup></b>			
Agitator (mixer)	II	II	II
Agitator for pure liquors	II	II	II
Barking drums	III	III	III
Barkers - mechanical	III	III	III
Beater	II	II	II
Breaker stack	II	II	II
Calendar <sup>(3)</sup>	II	II	II
Chipper	III	III	III
Chip feeder	II	II	II
Coating rolls	II	II	II
Conveyors			
Chip, bark, chemical	II	II	II
Log (including slab)	III	III	III
Couch rolls	II	II	II
Cutter	III	III	III
Cylinder molds	II	II	II
Dryers <sup>(3)</sup>			
Paper machine	II	II	II
Conveyor type	II	II	II
Embosser	II	II	II
Extruder	II	II	II
Fourdrinier rolls (includes lump breaker, dandy roll, wire turning, and return rolls)	II	II	II
Jordan	II	II	II
Kiln drive	II	II	II
Mt. Hope roll	II	II	II
Paper rolls	II	II	II
Platter	II	II	II
Presses - felt and auction	II	II	II
Pulper	III	III	III
Pumps - vacuum	II	II	II
Reel (surface type)	II	II	II
Screens			
Chip	II	II	II
Rotary	II	II	II
Vibrating	III	III	III

(Continued)

**Determining Service Class** Class I - 1.0 service factor, Class II - 1.4 service factor, Class III - 2.0 service factor

Application	Class numbers		
	Up to 3 hours per day	3 - 10 hours per day	Over 10 hours per day
<b>Paper mills <sup>(2)</sup> (continued)</b>			
Size press	II	II	II
Supercalendar <sup>(4)</sup>	II	II	II
Thickener (AC motor)	II	II	II
Thickener (DC motor)	II	II	II
Washer (AC motor)	II	II	II
Washer (DC motor)	II	II	II
Wind and unwind stand	I	I	I
Winders (surface type)	II	II	II
Yankee dryers <sup>(3)</sup>	II	II	II
<b>Plastic Industry - Primary processing</b>			
Intensive internal mixers			
Batch mixers	III	III	III
Continuous mixers	II	II	II
Batch drop mill - 2 smooth rolls	II	II	II
Continuous feed, holding and blend mill	II	II	II
Calendars	II	II	II
<b>Plastic industry - Secondary processing</b>			
Blow molders	II	II	II
Coating	II	II	II
Film	II	II	II
Pipe	II	II	II
Pre-plasticizers	II	II	II
Rods	II	II	II
Sheet	II	II	II
Tubing	II	II	II
<b>Pullers - Barge haul</b>	II	II	II
<b>Pumps</b>			
Centrifugal	I	I	II
Proportioning	II	II	II
Reciprocating			
Single acting, 3 or more cylinders	II	II	II
Double acting, 2 or more cylinders	II	II	II
Rotary			
Gear type	I	I	II
Lobe	I	I	II
Vane	I	I	II
<b>Rubber Industry</b>			
Intensive internal mixers			
Batch mixers	III	III	III
Continuous mixers	II	II	II
Mixing mill			
2 smooth rolls	II	II	II
1 or 2 corrugated rolls	III	III	III
Batch drop mill - 2 smooth rolls	II	II	II
Cracker warmer - 2 roll, 1 corrugated roll	III	III	III
Cracker - 2 corrugated rolls	III	III	III
Holding, feed and blend mill - 2 rolls	II	II	II
Refiner - 2 rolls	II	II	II
Calendars	II	II	II
<b>Sand muller</b>	II	II	II
<b>Sewage disposal equipment</b>			
Bar screens	II	II	II
Chemical feeders	II	II	II

(Continued)

**Determining Service Class** Class I - 1.0 service factor, Class II - 1.4 service factor, Class III - 2.0 service factor

Application	Class numbers		
	Up to 3 hours per day	3 - 10 hours per day	Over 10 hours per day
<b>Sewage disposal equipment (continued)</b>			
Dewatering screens	II	II	II
Scum breakers	II	II	II
Slow or rapid mixers	II	II	II
Sludge collectors	II	II	II
Thickener	II	II	II
Vacuum filters	II	II	II
<b>Screens</b>			
Air washing	I	I	II
Rotary - stone or gravel	II	II	II
Traveling water intake	I	I	I
<b>Screw conveyors</b>			
Uniformly loaded or fed	I	I	II
Heavy duty	I	II	II
<b>Sugar industry</b>			
Beet slicer	III	III	III
Cane knives	II	II	II
Crushers	II	II	II
Mills (low speed end)	III	III	III
<b>Textile Industry</b>			
Batchers	II	II	II
Calendars	II	II	II
Cards	II	II	II
Dry cans	II	II	II
Dyeing machinery	II	II	II
Looms	II	II	II
Mangles	II	II	II
Nappers	II	II	II
Pads	II	II	II
Slashers	II	II	II
Soapers	II	II	II
Spinners	II	II	II
Tenter frames	II	II	II
Washers	II	II	II
Winders	II	II	II

**Notes:**

1. Because crane drive selections may require a service factor,  $K_{SF}$ , greater than 2.0. Class numbers are not applicable. Crane drives are to be selected based upon the gear tooth bending strength using the numeric service factors,  $K_{SF}$ , shown in the table or by analysis such as Miner's Rule. In all cases, the pitting resistance service factor shall be a minimum of 1.0. Contact gear manufacturer for ratings.
2. The class numbers listed in the table A.3 for paper mill applications are consistent with those show in TAPPI (Technical Association of Pulp and Paper Industry) Technical Information Sheet 0406-18-1967, Service Factors for Gears on Major Equipment in the Paper and Pulp Industry.
3. Anti-friction bearings only.
4. A Class number of 1.00 may be applied at base speed of a super calender operating over a speed range of part range constant power, part range constant torque where the constant power speed range is greater than 1.5 to 1. A Class number of II is applicable to super calendars operating over the entire speed range at constant torque or where the constant power speed range is less than 1.5 to 1.

# MTA2 through MTA8 Nomenclature and descriptions

(TSC – accommodates NEMA TS short shaft frame, 2 pole, 280 frame and above)

## MTA C-Face reducer nomenclature

### M6H67T28C Torque-Arm reducer only

**M** - Motorized Torque-Arm II

**6** - Case size, **H** - Heavy duty,

**67** - Nominal ratio, **T** - Tapered bore

**28 - 280** - Motor frame, **C** - NEMA - C-Face



Part number	Part number	Part number	Part number	Part number	Part number	Part number
M2H15T18C	M3H14T21C	M4H14T21C	M5H14T25C	M6H14T28C	M7H14T25C	M8H14T36C
M2H15T21C	M3H14T25C	M4H14T25C	M5H14T28C	M6H14T32C	M7H14T32C	M8H14T405C
M2H15T25C	M3H14T28TSC	M4H14T28C	M5H14T32C	M6H14T36C	M7H14T36C	M8H17T36C
M2H18T14C	M3H17T21C	M4H18T18C	M5H14T36C	M6H19T28C	M7H14T405C	M8H17T405C
M2H18T18C	M3H17T25C	M4H18T21C	M5H18T21C	M6H19T32C	M7H19T25C	M8H23T32C
M2H18T21C	M3H17T28TSC	M4H18T25C	M5H18T25C	M6H19T32TSC	M7H19T32C	M8H23T36C
M2H18T25C	M3H21T18C	M4H18T28C	M5H18T28C	M6H19T36C	M7H19T36C	M8H23T405C
M2H21T14C	M3H21T21C	M4H18T28TSC	M5H18T32C	M6H19T36TSC	M7H19T405C	M8H27T28C
M2H21T18C	M3H21T25C	M4H18T32TSC	M5H18T32TSC	M6H22T25C	M7H22T32C	M8H27T32C
M2H21T21C	M3H21T28TSC	M4H22T18C	M5H18T36C	M6H22T28C	M7H22T36C	M8H27T36C
M2H21T25C	M3H25T18C	M4H22T21C	M5H18T36TSC	M6H22T32C	M7H22T405C	M8H27T405C
M2H25T14C	M3H25T21C	M4H22T25C	M5H21T18C	M6H22T32TSC	M7H26T25C	M8H31T32C
M2H25T18C	M3H25T25C	M4H22T28C	M5H21T25C	M6H22T36C	M7H26T28C	M8H31T36C
M2H25T21C	M3H25T28TSC	M4H22T28TSC	M5H21T28C	M6H22T36TSC	M7H26T32C	M8H31T405C
M2H25T25C	M3H29T18C	M4H22T32TSC	M5H21T32C	M6H24T25C	M7H26T36C	M8H31T405TSC
M2H30T14C	M3H29T21C	M4H26T18C	M5H21T32TSC	M6H24T28C	M7H26T36TSC	M8H34T32C
M2H30T18C	M3H29T25C	M4H26T21C	M5H21T36TSC	M6H24T32C	M7H26T405TSC	M8H34T36C
M2H30T21C	M3H29T28TSC	M4H26T25C	M5H25T25C	M6H24T32TSC	M7H29T25C	M8H34T405C
M2H30T25C	M3H32T18C	M4H26T28C	M5H25T28C	M6H24T36C	M7H29T32C	M8H34T405TSC
M2H32T14C	M3H32T21C	M4H26T28TSC	M5H25T28TSC	M6H24T36TSC	M7H29T32TSC	M8H40T32C
M2H32T18C	M3H32T25C	M4H26T32TSC	M5H25T32C	M6H29T25C	M7H29T36C	M8H40T36C
M2H32T21C	M3H35T14C	M4H30T18C	M5H25T32TSC	M6H29T28C	M7H29T36TSC	M8H40T36TSC
M2H32T25C	M3H35T18C	M4H30T21C	M5H25T36TSC	M6H29T28TSC	M7H29T405TSC	M8H40T405TSC
M2H36T14C	M3H35T21C	M4H30T25C	M5H29T18C	M6H29T32C	M7H33T28C	M8H46T28C
M2H36T18C	M3H35T25C	M4H30T28TSC	M5H29T21C	M6H29T32TSC	M7H33T32C	M8H46T32C
M2H36T21C	M3H38T14C	M4H30T32TSC	M5H29T25C	M6H29T36TSC	M7H33T36C	M8H46T36C
M2H36T25C	M3H38T18C	M4H34T18C	M5H29T28C	M6H34T25C	M7H33T36TSC	M8H46T405TSC
M2H39T14C	M3H38T21C	M4H34T21C	M5H29T28TSC	M6H34T28C	M7H33T405TSC	M8H46T405TSC
M2H39T18C	M3H38T25C	M4H34T25C	M5H29T32C	M6H34T32C	M7H38T21C	M8H51T32C
M2H39T21C	M3H44T18C	M4H34T28TSC	M5H29T32TSC	M6H34T32TSC	M7H38T25C	M8H51T36C
M2H44T14C	M3H44T21C	M4H34T32TSC	M5H29T36TSC	M6H34T36TSC	M7H38T28C	M8H51T36TSC
M2H44T18C	M3H44T25C	M4H41T18C	M5H34T18C	M6H39T21C	M7H38T32C	M8H51T405TSC
M2H44T21C	M3H47T18C	M4H41T21C	M5H34T21C	M6H39T25C	M7H38T32TSC	M8H53T28C
M2H47T14C	M3H47T21C	M4H41T25C	M5H34T25C	M6H39T28C	M7H38T36C	M8H53T32C
M2H47T18C	M3H47T25C	M4H41T28C	M5H34T28C	M6H39T32C	M7H38T36TSC	M8H53T36C
M2H47T21C	M3H51T18C	M4H41T28TSC	M5H34T28TSC	M6H39T32TSC	M7H38T405TSC	M8H53T36TSC
M2H51T14C	M3H51T21C	M4H44T18C	M5H34T32TSC	M6H39T36TSC	M7H44T21C	M8H53T405C
M2H51T18C	M3H51T25C	M4H44T21C	M5H34T36TSC	M6H45T21C	M7H44T25C	M8H53T405TSC
M2H51T21C	M3H58T18C	M4H44T25C	M5H40T18C	M6H45T25C	M7H44T28C	M8H60T32C
M2H58T14C	M3H58T21C	M4H44T28TSC	M5H40T21C	M6H45T28C	M7H44T32C	M8H60T36C
M2H58T18C	M3H65T18C	M4H49T18C	M5H40T25C	M6H45T32TSC	M7H44T36C	M8H60T36TSC
M2H58T21C	M3H65T21C	M4H49T21C	M5H40T28C	M6H45T36TSC	M7H44T36TSC	M8H60T405TSC
M2H66T14C	M3H70T18C	M4H49T25C	M5H40T28TSC	M6H50T21C	M7H44T405TSC	M8H69T28C
M2H66T18C	M3H70T21C	M4H49T28TSC	M5H40T32TSC	M6H50T25C	M7H51T25C	M8H69T32C
M2H66T21C	M3H76T18C	M4H52T18C	M5H43T18C	M6H50T28C	M7H51T28C	M8H69T32TSC
M2H71T14C	M3H76T21C	M4H52T21C	M5H43T21C	M6H50T32TSC	M7H51T32C	M8H69T36TSC
M2H71T18C	-	M4H52T25C	M5H43T25C	M6H50T36TSC	M7H51T32TSC	M8H69T405TSC
M2H71T21C	-	M4H52T28TSC	M5H43T28C	M6H52T21C	M7H51T36TSC	M8H79T25C
M2H71T56C	-	M4H61T18C	M5H43T28TSC	M6H52T25C	M7H58T21C	M8H79T28C
M2H77T14C	-	M4H61T21C	M5H43T32TSC	M6H52T28C	M7H58T25C	M8H79T32C

**Note:** Use EZ-Selection Charts and verify **required** base C-Face motor speed before ordering

## MTA2 through MTA8 Nomenclature and descriptions

(TSC – accommodates NEMA TS short shaft frame, 2 pole, 280 frame and above)

### MTA C-Face reducer nomenclature

#### M6H67T28C Torque-Arm reducer only

**M** - Motorized Torque-Arm II

**6** - Case size, **H** - Heavy duty,

**67** - Nominal ratio, **T** - Tapered bore

**28 - 280** - Motor frame, **C** - NEMA - C-Face



Part number	Part number	Part number	Part number	Part number	Part number	Part number
M2H77T18C	-	M4H61T25C	M5H48T21C	M6H52T28TSC	M7H58T28C	M8H79T32TSC
M2H77T21C	-	M4H66T18C	M5H48T25C	M6H52T32TSC	M7H58T32C	M8H79T36TSC
-	-	M4H66T21C	M5H48T28C	M6H52T36TSC	M7H58T32TSC	-
-	-	M4H66T25C	M5H48T28TSC	M6H59T21C	M7H58T36TSC	-
-	-	M4H74T18C	M5H48T32TSC	M6H59T25C	M7H67T25C	-
-	-	M4H74T21C	M5H51T18C	M6H59T28C	M7H67T28C	-
-	-	M4H74T25C	M5H51T21C	M6H59T32TSC	M7H67T32C	-
-	-	-	M5H51T25C	M6H67T21C	M7H67T32TSC	-
-	-	-	M5H51T28C	M6H67T25C	M7H67T36TSC	-
-	-	-	M5H51T28TSC	M6H67T28C	M7H76T21C	-
-	-	-	M5H51T32TSC	M6H67T28TSC	M7H76T25C	-
-	-	-	M5H60T21C	M6H67T32TSC	M7H76T28C	-
-	-	-	M5H60T25C	M6H79T21C	M7H76T32TSC	-
-	-	-	M5H60T28TSC	M6H79T25C	-	-
-	-	-	M5H60T32TSC	M6H79T28TSC	-	-
-	-	-	M5H65T18C	M6H79T32TSC	-	-
-	-	-	M5H65T21C	-	-	-
-	-	-	M5H65T25C	-	-	-
-	-	-	M5H65T28TSC	-	-	-
-	-	-	M5H72T18C	-	-	-
-	-	-	M5H72T21C	-	-	-
-	-	-	M5H72T25C	-	-	-
-	-	-	M5H72T28C	-	-	-
-	-	-	M5H72T28TSC	-	-	-

**Note:** Use EZ-Selection Charts and verify **required** base C-Face motor speed before ordering



**MTA C-Face Gearmotor nomenclature**

**M6H67T28C2518 Torque-Arm reducer and motor**

**M** - Motorized Torque-Arm II

**6** - Case size, **H** - Heavy duty,

**67** - Nominal ratio, **T** - Tapered bore

**28 - 280** - Motor frame, **C** - NEMA - C-Face, (TSC - accommodates NEMA TS short shaft frame, 2 pole, 280 frame and above)

**25 - 25 Hp** motor, **18 - 1800 RPM** motor speed

Part number	Part number	Part number	Part number	Part number	Part number	Part number
M2H15T21C1018	M3H14T25C2018	M4H14T28C2518	M5H14T32C4018	M6H134T21C718	M7H14T36C7518	M8H14T36C7518
M2H15T25C1518	M3H14T28TSC2536	M4H14T28C3018	M5H14T36C6018	M6H14T36C6018	M7H14T405C10018	M8H14T405C10018
M2H15T25C1536	M3H14T28TSC3036	M4H18T21C1018	M5H18T21C1018	M6H14T36C7518	M7H19T32C4018	M8H17T36C7518
M2H15T25C2036	M3H17T21C1018	M4H18T25C1518	M5H18T25C1518	M6H19T18C318	M7H19T36C6018	M8H17T405C10018
M2H18T18C318	M3H17T25C1518	M4H18T25C1536	M5H18T25C2018	M6H19T18C518	M7H19T36C7518	M8H23T32C4018
M2H18T18C518	M3H17T25C2018	M4H18T25C2018	M5H18T28C2518	M6H19T28C2518	M7H19T405C10018	M8H23T36C7518
M2H18T21C1018	M3H17T28TSC2536	M4H18T28C2518	M5H18T28C3018	M6H19T32C4018	M7H22T36C6018	M8H23T405C10018
M2H18T21C1036	M3H17T28TSC3036	M4H18T28C3018	M5H18T32C4018	M6H19T32C5018	M7H22T36C7518	M8H27T32C5018
M2H18T21C718	M3H21T21C1018	M4H18T32TSC4036	M5H18T32C5018	M6H19T36C6018	M7H22T405C10018	M8H27T36C7518
M2H18T21C736	M3H21T25C1518	M4H18T32TSC5036	M5H18T32TSC5036	M6H19T36C7518	M7H26T32C4018	M8H27T405C10018
M2H18T25C1518	M3H21T25C2018	M4H22T21C1018	M5H18T36C6018	M6H22T25C1518	M7H26T32C5018	M8H31T28C2518
M2H18T25C1536	M3H21T28TSC2536	M4H22T21C718	M5H18T36TSC6036	M6H22T32C4018	M7H26T36C6018	M8H31T28C3018
M2H18T25C2018	M3H21T28TSC3036	M4H22T25C1518	M5H18T36TSC7536	M6H22T32C5018	M7H26T36C7518	M8H31T36C6018
M2H18T25C2036	M3H25T21C1018	M4H22T25C2018	M5H21T25C1518	M6H22T36C6018	M7H26T36TSC7536	M8H31T36C7518
M2H21T18C318	M3H25T21C718	M4H22T28C2518	M5H21T25C2018	M6H22T36TSC7536	M7H29T32C4018	M8H31T405C10018
M2H21T18C518	M3H25T25C1518	M4H22T28C3018	M5H21T28C2518	M6H24T25C1518	M7H29T32C5018	M8H34T36C6018
M2H21T21C1018	M3H25T25C2018	M4H22T28TSC2536	M5H21T28C3018	M6H24T28C2518	M7H29T36C6018	M8H34T36C7518
M2H21T21C718	M3H25T25C2036	M4H22T28TSC3036	M5H21T28TSC2536	M6H24T28C3018	M7H29T36C7518	M8H34T405C10018
M2H21T25C1536	M3H25T28TSC3036	M4H22T32TSC5036	M5H21T32C4018	M6H24T32C4018	M7H29T36TSC7536	M8H40T32C5018
M2H21T25C2036	M3H29T18C518	M4H26T18C536	M5H21T32C5018	M6H24T32C5018	M7H33T32C4018	M8H40T36C6018
M2H25T18C318	M3H29T21C1018	M4H26T21C1018	M5H21T32TSC4036	M6H24T36C6018	M7H33T32C5018	M8H40T36C7518
M2H25T18C518	M3H29T21C718	M4H26T21C718	M5H21T32TSC5036	M6H24T36TSC6036	M7H33T36C7518	M8H46T32C4018
M2H25T21C1018	M3H29T25C1518	M4H26T25C1518	M5H21T36TSC6036	M6H24T36TSC7536	M7H33T36TSC7536	M8H46T32C5018
M2H25T21C1036	M3H29T25C1536	M4H26T25C2018	M5H21T36TSC7536	M6H29T25C1518	M7H38T28C3018	M8H46T36C6018
M2H25T21C718	M3H29T25C2018	M4H26T28C2518	M5H25T21C1018	M6H29T25C2018	M7H38T32C4018	M8H46T36C7518
M2H25T21C736	M3H29T25C2036	M4H26T28TSC2536	M5H25T25C1518	M6H29T28C2518	M7H38T32C5018	M8H51T32C5018
M2H25T25C1536	M3H29T28TSC2536	M4H26T28TSC3036	M5H25T28C2518	M6H29T28C3018	M7H38T36C6018	M8H51T36C7518
M2H30T18C318	M3H32T21C1018	M4H26T32TSC4036	M5H25T28C3018	M6H29T32C4018	M7H38T36TSC7536	M8H53T28C3018
M2H30T18C518	M3H32T21C718	M4H30T18C518	M5H25T32C4018	M6H29T32C5018	M7H44T28C2518	M8H53T32C4018
M2H30T18C536	M3H32T25C1518	M4H30T21C1018	M5H25T32C5018	M6H29T32TSC4036	M7H44T32C4018	M8H53T32C5018
M2H30T21C1018	M3H32T25C1536	M4H30T21C718	M5H25T32TSC4036	M6H29T32TSC5036	M7H44T36C6018	M8H53T36C6018
M2H30T21C1036	M3H32T25C2036	M4H30T25C1518	M5H25T32TSC5036	M6H29T36TSC6036	M7H44T36TSC6036	M8H53T36TSC7536
M2H30T21C718	M3H35T18C518	M4H30T25C2018	M5H25T36TSC6036	M6H29T36TSC7536	M7H44T36TSC7536	M8H60T32C4018
M2H30T21C736	M3H35T21C1018	M4H30T25C2036	M5H25T36TSC7536	M6H34T21C1018	M7H51T28C2518	M8H60T32C5018
M2H30T25C1536	M3H35T21C718	M4H30T28TSC2536	M5H29T25C1518	M6H34T25C2018	M7H51T28C3018	M8H60T36C6018
M2H32T18C318	M3H35T25C1536	M4H30T28TSC3036	M5H29T25C2018	M6H34T28C2518	M7H51T32C4018	M8H60T36TSC7536
M2H32T18C518	M3H35T25C2036	M4H30T32TSC4036	M5H29T28C2518	M6H34T28C3018	M7H51T32C5018	M8H69T28C3018
M2H32T21C1036	M3H38T18C518	M4H34T21C1018	M5H29T28C3018	M6H34T32C4018	M7H51T36TSC6036	M8H69T32C4018
M2H32T21C718	M3H38T21C1018	M4H34T21C718	M5H29T32C4018	M6H34T32C5018	M7H51T36TSC7536	M8H69T32C5018
M2H32T21C736	M3H38T21C718	M4H34T25C1518	M5H29T32TSC4036	M6H34T32TSC4036	M7H58T21C1018	M8H69T36TSC7536
M2H32T25C1536	M3H38T25C1536	M4H34T25C2018	M5H29T32TSC5036	M6H34T32TSC5036	M7H58T25C1518	M8H79T25C2018
M2H36T18C318	M3H38T25C2036	M4H34T28TSC2536	M5H29T36TSC6036	M6H34T36TSC6036	M7H58T28C2518	M8H79T28C3018
M2H36T18C518	M3H44T21C1018	M4H34T28TSC3036	M5H34T18C518	M6H34T36TSC7536	M7H58T28C3018	M8H79T32C4018
M2H36T21C718	M3H44T21C718	M4H34T32TSC4036	M5H34T21C1018	M6H39T18C518	M7H58T32C4018	M8H79T32C5018
M2H36T25C1536	M3H44T25C1536	M4H41T18C518	M5H34T21C718	M6H39T25C1518	M7H58T36TSC6036	M8H79T36TSC6036
M2H39T18C318	M3H44T25C2036	M4H41T21C1018	M5H34T25C1518	M6H39T25C2018	M7H58T36TSC7536	M8H79T36TSC7536
M2H39T18C518	M3H47T21C1018	M4H41T21C718	M5H34T25C2018	M6H39T28C2518	M7H67T25C2018	-

**Note:** Use EZ-Selection Charts and verify **required** base C-Face motor speed before ordering

**MTA C-Face Gearmotor nomenclature****M6H67T28C2518 Torque-Arm reducer and motor****M** - Motorized Torque-Arm II**6** - Case size, **H** - Heavy duty,**67** - Nominal ratio, **T** - Tapered bore**28 - 280** - Motor frame, **C** - NEMA - C-Face, (TSC - accommodates NEMA TS short shaft frame, 2 pole, 280 frame and above)**25 - 25** Hp motor, **18 - 1800** RPM motor speed

Part number	Part number	Part number	Part number	Part number	Part number	Part number
M2H39T21C1036	M3H47T21C1036	M4H41T25C1518	M5H34T28C2518	M6H39T28C3018	M7H67T28C2518	-
M2H39T21C718	M3H47T21C718	M4H41T25C2036	M5H34T28C3018	M6H39T32C4018	M7H67T28C3018	-
M2H44T18C318	M3H47T25C1536	M4H41T28TSC3036	M5H34T32TSC4036	M6H39T32TSC5036	M7H67T32C4018	-
M2H44T18C518	M3H51T18C518	M4H44T18C518	M5H34T36TSC6036	M6H39T36TSC7536	M7H67T32TSC5036	-
M2H44T21C1036	M3H51T21C1018	M4H44T21C1018	M5H40T21C1018	M6H45T21C1018	M7H67T36TSC7536	-
M2H44T21C718	M3H51T21C1036	M4H44T21C718	M5H40T21C718	M6H45T25C2018	M7H76T25C2018	-
M2H44T21C736	M3H51T21C718	M4H44T25C1518	M5H40T25C1518	M6H45T28C2518	M7H76T28C2518	-
M2H47T18C318	M3H51T25C1536	M4H44T25C1536	M5H40T25C2018	M6H45T28C3018	M7H76T28C3018	-
M2H47T18C518	M3H58T18C518	M4H44T25C2036	M5H40T28C3018	M6H45T32TSC5036	M7H76T32TSC4036	-
M2H47T21C1036	M3H58T21C718	M4H44T28TSC3036	M5H40T28TSC2536	M6H45T36TSC6036	M7H76T36TSC6036	-
M2H47T21C736	M3H65T18C518	M4H49T21C1018	M5H40T32TSC4036	M6H50T21C718	M7H76T36TSC6036	-
M2H51T18C318	M3H65T21C1036	M4H49T21C1036	M5H40T32TSC5036	M6H50T25C1518	-	-
M2H51T18C518	M3H65T21C718	M4H49T25C1518	M5H43T21C1018	M6H50T25C2018	-	-
M2H51T21C1036	M3H70T18C518	M4H49T25C1536	M5H43T25C1518	M6H50T28C2518	-	-
M2H51T21C736	M3H76T18C318	M4H49T25C2036	M5H43T25C2018	M6H50T28C3018	-	-
M2H58T18C318	M3H76T18C518	M4H49T28TSC2536	M5H43T28C3018	M6H50T32TSC4036	-	-
M2H58T18C518	-	M4H52T18C518	M5H43T28TSC3036	M6H50T36TSC6036	-	-
M2H66T18C318	-	M4H52T21C1018	M5H43T32TSC5036	M6H52T21C1018	-	-
M2H66T18C518	-	M4H52T21C718	M5H48T25C1518	M6H52T21C718	-	-
M2H66T18C536	-	M4H52T25C1518	M5H48T25C2018	M6H52T25C1518	-	-
M2H66T21C736	-	M4H52T25C1536	M5H48T28C2518	M6H52T25C2018	-	-
M2H71T18C318	-	M4H52T25C2036	M5H48T28TSC3036	M6H52T28C2518	-	-
M2H77T18C318	-	M4H52T28TSC2536	M5H48T32TSC5036	M6H52T28C3018	-	-
M2H77T18C536	-	M4H61T21C1018	M5H51T21C718	M6H52T32TSC4036	-	-
M3H14T25C1518	-	M4H61T21C718	M5H51T25C1518	M6H52T36TSC6036	-	-
-	-	M4H61T25C1536	M5H51T28C2518	M6H59T25C1518	-	-
-	-	M4H61T25C2036	M5H51T28TSC2536	M6H59T25C2018	-	-
-	-	M4H66T21C1018	M5H51T28TSC3036	M6H59T28C2518	-	-
-	-	M4H66T21C718	M5H51T32TSC4036	M6H59T28C3018	-	-
-	-	M4H66T25C1536	M5H60T21C718	M6H59T32TSC4036	-	-
-	-	M4H66T25C2036	M5H60T25C1518	M6H59T32TSC5036	-	-
-	-	M4H74T18C318	M5H60T25C2018	M6H67T25C1518	-	-
-	-	M4H74T18C518	M5H60T28TSC3036	M6H67T25C2018	-	-
-	-	M4H74T21C1018	M5H60T32TSC4036	M6H67T28C2518	-	-
-	-	M4H74T21C1036	M5H65T21C1018	M6H67T28TSC3036	-	-
-	-	M4H74T21C718	M5H65T21C718	M6H67T32TSC5036	-	-
-	-	M4H74T25C2036	M5H65T25C2018	M6H79T21C1018	-	-
-	-	-	M5H65T25C2036	M6H79T21C718	-	-
-	-	-	M5H65T28TSC2536	M6H79T25C1518	-	-
-	-	-	M5H65T28TSC3036	M6H79T25C2018	-	-
-	-	-	M5H72T18C318	M6H79T28TSC3036	-	-
-	-	-	M5H72T18C518	M6H79T32TSC4036	-	-
-	-	-	M5H72T21C1018	-	-	-
-	-	-	M5H72T25C1518	-	-	-
-	-	-	M5H72T28TSC2536	-	-	-
-	-	-	M5H72T28TSC3036	-	-	-

**Note:** Use EZ-Selection Charts and verify **required** base C-Face motor speed before ordering





**MTA C-Face Severe Duty Gearmotor nomenclature**

**M6H67T25C1518CP Torque-Arm reducer and motor**

**M** - Motorized Torque-Arm II

**6** - Case size, **H** - Heavy duty,

**67** - Nominal ratio, **T** - Tapered bore

**25** - 250 - Motor frame, **C** - NEMA - C-Face, (TSC - accommodates NEMA TS short shaft frame, 2 pole, 280 frame and above)

**15** - 15 Hp motor, **18** - 1800 RPM motor speed **CP** = severe duty motor - CECF

Part number	Part number	Part number	Part number	Part number	Part number	Part number
M2H15T21C1018CP	M3H14T28TSC2536CP	M4H14T28C2518CP	M5H14T32C4018CP	M6H14T36C6018CP	M7H14T36C7518CP	M8H14T405C10018CP
M2H15T25C1536CP	M3H17T25C1518CP	M4H18T28C2518CP	M5H18T25C1518CP	M6H19T32C4018CP	M7H19T36C7518CP	M8H17T405C10018CP
M2H18T21C1018CP	M3H17T28TSC2536CP	M4H18T32TSC4036CP	M5H18T28C3018CP	M6H19T32C5018CP	M7H22T36C7518CP	M8H23T405C10018CP
M2H18T25C1536CP	M3H21T25C1518CP	M4H22T25C2018CP	M5H18T32C4018CP	M6H19T36C6018CP	M7H26T32C4018CP	M8H27T36C7518CP
M2H21T21C1018CP	M3H21T28TSC2536CP	M4H22T28TSC3036CP	M5H18T32TSC5036CP	M6H22T32C4018CP	M7H26T36C6018CP	M8H31T36C7518CP
M2H21T21C718CP	M3H25T21C1018CP	M4H26T25C1518CP	M5H21T21C718CP	M6H22T32C5018CP	M7H26T405TSC10036P	M8H31T405TSC10036P
M2H21T25C1536CP	M3H25T25C2036CP	M4H26T25C2018CP	M5H21T28C2518CP	M6H22T36TSC7536CP	M7H29T36C6018CP	M8H34T32C5018CP
M2H25T21C1036CP	M3H29T18C518CP	M4H26T28TSC3036CP	M5H21T28C3018CP	M6H24T32C4018CP	M7H29T36TSC7536CP	M8H34T36C6018CP
M2H25T21C718CP	M3H29T21C1018CP	M4H30T25C1518CP	M5H21T32C4018CP	M6H24T32C5018CP	M7H29T405TSC10036P	M8H34T36C7518CP
M2H30T18C318CP	M3H29T25C1536CP	M4H30T28TSC3036CP	M5H21T32TSC5036CP	M6H24T36TSC7536CP	M7H33T32C4018CP	M8H34T405TSC10036P
M2H30T18C518CP	M3H29T25C2036CP	M4H34T25C1518CP	M5H25T25C2018CP	M6H29T32C4018CP	M7H33T32C5018CP	M8H40T36C6018CP
M2H30T21C1036CP	M3H32T21C1018CP	M4H34T28TSC3036CP	M5H25T28C2518CP	M6H29T32TSC5036CP	M7H33T36TSC7536CP	M8H40T405TSC10036P
M2H32T18C518CP	M3H32T25C1536CP	M4H41T21C1018CP	M5H25T28C3018CP	M6H29T36TSC6036CP	M7H33T405TSC10036P	M8H46T36C6018CP
M2H32T21C1036CP	M3H35T21C1018CP	M4H41T25C2036CP	M5H25T32TSC5036CP	M6H29T36TSC7536CP	M7H38T21C1018CP	M8H46T405TSC10036P
M2H36T18C518CP	M3H35T25C1536CP	M4H44T21C1018CP	M5H29T18C518CP	M6H34T28C2518CP	M7H38T28C3018CP	M8H51T32C5018CP
M2H36T21C1036CP	M3H38T21C718CP	M4H44T25C2036CP	M5H29T21C1018CP	M6H34T28C3018CP	M7H38T32C4018CP	M8H51T405TSC10036P
M2H39T18C518CP	M3H38T25C1536CP	M4H49T21C1018CP	M5H29T21C718CP	M6H34T36TSC6036CP	M7H38T36TSC7536CP	M8H53T32C5018CP
M2H39T21C1036CP	M3H44T21C718CP	M4H49T25C2036CP	M5H29T25C1518CP	M6H39T25C2018CP	M7H44T32C4018CP	M8H53T36TSC7536CP
M2H44T18C518CP	M3H44T25C1536CP	M4H52T21C1018CP	M5H29T25C2018CP	M6H39T28C3018CP	M7H44T36TSC7536CP	M8H60T32C4018CP
M2H44T21C736CP	M3H47T21C1036CP	M4H52T25C1536CP	M5H29T28C3018CP	M6H39T32TSC5036CP	M7H51T28C3018CP	M8H60T36TSC7536CP
M2H47T18C318CP	M3H47T21C718CP	M4H61T21C718CP	M5H29T32TSC4036CP	M6H45T28C2518CP	M7H51T36TSC6036CP	M8H69T32C4018CP
M2H47T21C736CP	M3H51T18C518CP	M4H61T25C1536CP	M5H34T25C2018CP	M6H45T32TSC5036CP	M7H58T28C2518CP	M8H69T36TSC7536CP
M2H51T18C318CP	M3H51T21C1036CP	M4H66T21C718CP	M5H34T28C2518CP	M6H50T28C2518CP	M7H58T28C3018CP	M8H79T28C3018CP
M2H51T21C736CP	M3H58T18C518CP	M4H66T25C1536CP	M5H34T32TSC4036CP	M6H50T32TSC4036CP	M7H58T36TSC6036CP	M8H79T36TSC6036CP
M2H54T18C318CP	M3H65T18C518CP	M4H74T21C1036CP	M5H40T25C2018CP	M6H52T25C2018CP	M7H67T28C2518CP	-
M2H58T18C318CP	M3H65T21C1036CP	M4H74T21C718CP	M5H40T32TSC4036CP	M6H52T28C2518CP	M7H67T28C3018CP	-
M2H66T18C318CP	M3H70T18C518CP	-	M5H43T25C2018CP	M6H52T32TSC4036CP	M7H67T32TSC5036CP	-
M2H66T18C536CP	M3H76T18C518CP	-	M5H43T28TSC3036CP	M6H59T25C2018CP	M7H76T21C1018CP	-
M2H71T18C318CP	-	-	M5H48T25C1518CP	M6H59T32TSC4036CP	M7H76T25C1518CP	-
M2H77T18C318CP	-	-	M5H48T28TSC3036CP	M6H67T25C2018CP	M7H76T25C2018CP	-
M3H14T25C1518CP	-	-	M5H51T25C1518CP	M6H67T28TSC3036CP	M7H76T28C2518CP	-
-	-	-	M5H51T28TSC3036CP	M6H79T25C1518CP	M7H76T32TSC4036CP	-
-	-	-	M5H60T25C1518CP	M6H79T28TSC3036CP	-	-
-	-	-	M5H60T28TSC3036CP	-	-	-
-	-	-	M5H65T21C1018CP	-	-	-
-	-	-	M5H65T21C718CP	-	-	-
-	-	-	M5H65T28TSC2536CP	-	-	-
-	-	-	M5H72T21C1018CP	-	-	-
-	-	-	M5H72T28TSC2536CP	-	-	-

**Note:** Use EZ-Selection Charts and verify **required** base C-Face motor speed before ordering

**MTA C-Face High Torque Gearmotor nomenclature****M6H59T25C1518CR Torque-Arm reducer and motor****M** - Motorized Torque-Arm II**6** - Case size, **H** - Heavy duty,**67** - Nominal ratio, **T** - Tapered bore**25 - 250** - Motor frame, **C** - NEMA - C-Face**15 - 15** Hp motor, **18 - 1800** RPM motor speed, **CR** = C-face high torque motor

Part number	Part number	Part number	Part number	Part number	Part number	Part number
-	-	M4H14T25C1518CR	M5H14T28C3018CR	M6H14T32C4018CR	M7H14T36C6018CR	M8H14T36C7518CR
-	-	M4H18T25C1518CR	M5H18T28C3018CR	M6H19T32C4018CR	M7H19T36C6018CR	M8H17T36C7518CR
-	-	M4H22T25C1518CR	M5H21T28C2518CR	M6H22T28C3018CR	M7H22T32C5018CR	M8H23T36C7518CR
-	-	-	M5H25T25C2018CR	M6H24T28C3018CR	M7H26T32C4018CR	M8H27T36C6018CR
-	-	-	M5H29T25C1518CR	M6H29T28C3018CR	M7H29T32C4018CR	M8H31T32C5018CR
-	-	-	M5H29T25C2018CR	M6H34T28C2518CR	M7H33T28C3018CR	M8H34T32C5018CR
-	-	-	M5H34T25C1518CR	M6H39T25C2018CR	M7H38T28C3018CR	M8H40T32C4018CR
-	-	-	M5H40T25C1518CR	M6H45T25C1518CR	M7H44T28C2518CR	M8H46T32C4018CR
-	-	-	-	M6H45T25C2018CR	M7H51T25C2018CR	M8H51T28C3018CR
-	-	-	-	M6H50T25C1518CR	M7H58T25C2018CR	M8H53T28C3018CR
-	-	-	-	M6H52T25C1518CR	M7H67T25C1518CR	M8H60T28C3018CR
-	-	-	-	M6H59T25C1518CR	M7H76T25C1518CR	M8H69T28C2518CR
-	-	-	-	-	-	M8H79T28C2518CR

**Note:** Use EZ-Selection Charts and verify **required** base C-Face motor speed before ordering

# MTA Engineering information

## MTA2 Horsepower and torque ratings

### MTA2115

Ratio	Mtr speed	NEMA 180TC		NEMA 210TC		NEMA 250TC	
		1750	3450	1750	3450	1750	3450
76.96	Output RPM	23	45	-	45	-	-
	Class I catalog Hp	4.4	8.4	-	8.4	-	-
	Class I torque in-lbs	11155	10700	-	10700	-	-
	Part number	M2H77T18C	M2H77T18C	-	M2H77T21C	-	-
71.18	Output RPM	25	48	-	48	-	-
	Class I catalog Hp	4.8	8.9	-	8.9	-	-
	Class I torque in-lbs	11155	10645	-	10645	-	-
	Part number	M2H71T18C	M2H71T18C	-	M2H71T21C	-	-
66.07	Output RPM	26	52	-	52	-	-
	Class I catalog Hp	5.0	9.5	-	9.5	-	-
	Class I torque in-lbs	11155	10525	-	10525	-	-
	Part number	M2H66T18C	M2H66T18C	-	M2H66T21C	-	-
58.29	Output RPM	30	59	-	59	-	-
	Class I catalog Hp	5.8	10.5	-	10.5	-	-
	Class I torque in-lbs	11155	10300	-	10300	-	-
	Part number	M2H58T18C	M2H58T18C	-	M2H58T21C	-	-
51.31	Output RPM	34	67	-	67	-	-
	Class I catalog Hp	6.5	11.7	-	11.7	-	-
	Class I torque in-lbs	11050	10145	-	10145	-	-
	Part number	M2H51T18C	M2H51T18C	-	M2H51T21C	-	-
47.45	Output RPM	37	73	-	73	-	-
	Class I catalog Hp	7.0	12.5	-	12.5	-	-
	Class I torque in-lbs	10950	9874	-	9874	-	-
	Part number	M2H47T18C	M2H47T18C	-	M2H47T21C	-	-
44.05	Output RPM	40	78	40	78	-	-
	Class I catalog Hp	7.6	13.1	7.6	13.1	-	-
	Class I torque in-lbs	10888	9639	10888	9639	-	-
	Part number	M2H44T18C	M2H44T18C	M2H44T21C	M2H44T21C	-	-
38.86	Output RPM	45	89	45	89	-	-
	Class I catalog Hp	8.4	14.6	8.4	14.6	-	-
	Class I torque in-lbs	10700	9440	10700	9440	-	-
	Part number	M2H39T18C	M2H39T18C	M2H39T21C	M2H39T21C	-	-
35.88	Output RPM	49	96	49	96	-	96
	Class I catalog Hp	9.0	15.4	9.0	15.4	-	15.4
	Class I torque in-lbs	10600	9210	10600	9210	-	9210
	Part number	M2H36T18C	M2H36T18C	M2H36T21C	M2H36T21C	-	M2H36T25C
32.15	Output RPM	54	107	54	107	-	107
	Class I catalog Hp	9.8	16.6	9.8	16.6	-	16.6
	Class I torque in-lbs	10459	8920	10459	8920	-	8920
	Part number	M2H32T18C	M2H32T18C	M2H32T21C	M2H32T21C	-	M2H32T25C
29.64	Output RPM	59	116	59	116	-	116
	Class I catalog Hp	10.5	17.6	10.5	17.6	-	17.6
	Class I torque in-lbs	10300	8699	10300	8699	-	8699
	Part number	M2H30T18C	M2H30T18C	M2H30T21C	M2H30T21C	-	M2H30T25C
24.87	Output RPM	70	139	70	139	-	139
	Class I catalog Hp	12.1	19.8	12.1	19.8	-	19.8
	Class I torque in-lbs	9961	8170	9961	8170	-	8170
	Part number	M2H25T18C	M2H25T18C	M2H25T21C	M2H25T21C	-	M2H25T25C
21.22	Output RPM	82	163	82	163	-	163
	Class I catalog Hp	13.7	22.4	13.7	22.4	-	22.4
	Class I torque in-lbs	9594	7900	9594	7900	-	7900
	Part number	M2H21T18C	M2H21T18C	M2H21T21C	M2H21T21C	-	M2H21T25C
17.68	Output RPM	99	195	99	195	99	195
	Class I catalog Hp	15.7	25.6	15.7	25.6	15.7	25.6
	Class I torque in-lbs	9100	7540	9100	7540	9100	7540
	Part number	M2H18T18C	M2H18T18C	M2H18T21C	M2H18T21C	M2H18T25C	M2H18T25C
14.65	Output RPM	119	235	119	235	119	235
	Class I catalog Hp	15.7	25.6	15.7	25.6	15.7	25.6
	Class I torque in-lbs	7540	6236	7540	6236	7540	6236
	Part number	M2H15T18C	M2H15T18C	M2H15T21C	M2H15T21C	M2H15T25C	M2H15T25C

This page lists all 'possible' part numbers. Part numbers with service factor higher than 2.0 may not be loaded in the system. Call Dodge for price availability. For reducer dimensions and accessories, see pages G1-42 through G1-67.

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## MTA Engineering information

### MTA3 Horsepower and torque ratings

#### MTA3203

Ratio	Mtr speed	NEMA 180TC		NEMA 210TC		NEMA 250TC		NEMA 280TC / 280TSC	
		1750	3450	1750	3450	1750	3450	1750	3450
76.02	Output RPM	23	45	-	45	-	45	-	-
	Class I catalog Hp	7.1	13.0	-	13.0	-	-	-	-
	Class I torque in-lbs	17020	16463	-	-	-	-	-	-
70.30	Part number	M3H76T18C	M3H76T18C	-	M3H76T21C	-	-	-	-
	Output RPM	25	49	-	49	-	49	-	-
	Class I catalog Hp	7.4	14.1	-	14.1	-	-	-	-
65.26	Class I torque in-lbs	17020	16311	-	16311	-	-	-	-
	Part number	M3H70T18C	M3H70T18C	-	M3H70T21C	-	-	-	-
	Output RPM	27	53	27	53	-	53	-	-
57.58	Class I catalog Hp	7.8	14.8	7.8	14.8	-	-	-	-
	Class I torque in-lbs	17020	16146	17020	16146	-	-	-	-
	Part number	M3H65T18C	M3H65T18C	M3H65T21C	M3H65T21C	-	-	-	-
50.68	Output RPM	30	60	30	60	-	60	-	-
	Class I catalog Hp	9.0	16.4	9.0	16.4	-	16.4	-	-
	Class I torque in-lbs	17020	15778	17020	15778	-	15778	-	-
46.87	Part number	M3H58T18C	M3H58T18C	M3H58T21C	M3H58T21C	-	M3H58T25C	-	-
	Output RPM	35	68	35	68	-	68	-	-
	Class I catalog Hp	10.1	17.7	10.1	17.7	-	17.7	-	-
43.51	Class I torque in-lbs	16940	15444	16940	15444	-	15444	-	-
	Part number	M3H51T18C	M3H51T18C	M3H51T21C	M3H51T21C	-	M3H51T25C	-	-
	Output RPM	37	74	37	74	-	74	-	-
38.39	Class I catalog Hp	10.9	19.5	10.9	19.5	-	19.5	-	-
	Class I torque in-lbs	16876	15222	16876	15222	-	15222	-	-
	Part number	M3H47T18C	M3H47T18C	M3H47T21C	M3H47T21C	-	M3H47T25C	-	-
35.44	Output RPM	40	79	40	79	-	79	-	-
	Class I catalog Hp	11.9	20.7	11.9	20.7	-	20.7	-	-
	Class I torque in-lbs	16849	15024	16849	15024	-	15024	-	-
31.75	Part number	M3H44T18C	M3H44T18C	M3H44T21C	M3H44T21C	-	M3H44T25C	-	-
	Output RPM	46	90	46	90	-	90	-	-
	Class I catalog Hp	13.1	23.1	13.1	23.1	-	23.1	-	-
29.28	Class I torque in-lbs	16463	14720	16463	14720	-	14720	-	-
	Part number	M3H38T18C	M3H38T18C	M3H38T21C	M3H38T21C	-	M3H38T25C	-	-
	Output RPM	49	97	49	97	-	97	-	-
24.57	Class I catalog Hp	14.2	24.6	14.2	24.6	-	24.6	-	-
	Class I torque in-lbs	16258	14499	16258	14499	-	14499	-	-
	Part number	M3H35T18C	M3H35T18C	M3H35T21C	M3H35T21C	-	M3H35T25C	-	-
20.96	Output RPM	55	109	55	109	55	109	-	109
	Class I catalog Hp	15.3	26.8	15.3	26.8	15.3	26.8	-	26.8
	Class I torque in-lbs	15999	14249	15999	14249	15999	14249	-	14249
17.46	Part number	M3H32T18C	M3H32T18C	M3H32T21C	M3H32T21C	M3H32T25C	M3H32T25C	-	M3H32T28TSC
	Output RPM	60	118	60	118	60	118	-	118
	Class I catalog Hp	16.4	28.7	16.4	28.7	16.4	28.7	-	28.7
14.47	Class I torque in-lbs	15778	14022	15778	14022	15778	14022	-	14022
	Part number	M3H29T18C	M3H29T18C	M3H29T21C	M3H29T21C	M3H29T25C	M3H29T25C	-	M3H29T28TSC
	Output RPM	71	140	71	140	71	140	-	140
14.47	Class I catalog Hp	18.9	32.8	18.9	32.8	18.9	32.8	-	32.8
	Class I torque in-lbs	15322	13412	15322	13412	15322	13412	-	13412
	Part number	M3H25T18C	M3H25T18C	M3H25T21C	M3H25T21C	M3H25T25C	M3H25T25C	-	M3H25T28TSC
14.47	Output RPM	83	165	83	165	83	165	-	165
	Class I catalog Hp	21.6	36.7	21.6	36.7	21.6	36.7	-	36.7
	Class I torque in-lbs	14894	12805	14894	12805	14894	12805	-	12805
14.47	Part number	M3H21T18C	M3H21T18C	M3H21T21C	M3H21T21C	M3H21T25C	M3H21T25C	-	M3H21T28TSC
	Output RPM	100	198	100	198	100	198	-	198
	Class I catalog Hp	25.2	41.1	25.2	41.1	25.2	41.1	-	41.1
14.47	Class I torque in-lbs	14450	11933	14450	11933	14450	11933	-	11933
	Part number	M3H17T18C	M3H17T18C	M3H17T21C	M3H17T21C	M3H17T25C	M3H17T25C	-	M3H17T28TSC
	Output RPM	121	238	121	238	121	238	121	238
14.47	Class I catalog Hp	25.2	41.1	25.2	41.1	25.2	41.1	25.2	41.1
	Class I torque in-lbs	11952	9888	11952	9888	11952	9888	11952	9888
	Part number	M3H14T18C	M3H14T18C	M3H14T21C	M3H14T21C	M3H14T25C	M3H14T25C	M3H14T28C	M3H14T28TSC

This page lists all 'possible' part numbers. Part numbers with service factor higher than 2.0 may not be loaded in the system. Call Dodge for price availability. For reducer dimensions and accessories, see pages G1-42 through G1-67.

# MTA Engineering information

## MTA4 Horsepower and torque ratings

### MTA4207

Ratio	Mtr speed	NEMA 180TC		NEMA 210TC		NEMA 250TC	
		1750	3450	1750	3450	1750	3450
73.57	Output RPM	24	47	24	47	-	47
	Class I catalog Hp	11.5	20.3	11.5	20.3	-	20.3
	Class I torque in-lbs	27555	25341	27555	25341	-	25341
	Part number	M4H74T18C	M4H74T18C	M4H74T21C	M4H74T21C	-	M4H74T25C
66.17	Output RPM	26	52	26	52	-	52
	Class I catalog Hp	12.4	22.5	12.4	22.5	-	22.5
	Class I torque in-lbs	27307	24907	27307	24907	-	24907
	Part number	M4H66T18C	M4H66T18C	M4H66T21C	M4H66T21C	-	M4H66T25C
61.04	Output RPM	29	57	29	57	-	57
	Class I catalog Hp	13.2	24.0	13.2	24.0	-	24.0
	Class I torque in-lbs	27095	24635	27095	24635	-	24635
	Part number	M4H61T18C	M4H61T18C	M4H61T21C	M4H61T21C	-	M4H61T25C
51.72	Output RPM	34	67	34	67	34	67
	Class I catalog Hp	15.6	27.6	15.6	27.6	15.6	27.6
	Class I torque in-lbs	26421	24049	26421	24049	26421	24049
	Part number	M4H52T18C	M4H52T18C	M4H52T21C	M4H52T21C	M4H52T25C	M4H52T25C
49.04	Output RPM	36	70	36	70	36	70
	Class I catalog Hp	16.4	29.0	16.4	29.0	16.4	29.0
	Class I torque in-lbs	26217	23849	26217	23849	26217	23849
	Part number	M4H49T18C	M4H49T18C	M4H49T21C	M4H49T21C	M4H49T25C	M4H49T25C
44.11	Output RPM	40	78	40	78	40	78
	Class I catalog Hp	18.0	31.8	18.0	31.8	18.0	31.8
	Class I torque in-lbs	25870	23460	25870	23460	25870	23460
	Part number	M4H44T18C	M4H44T18C	M4H44T21C	M4H44T21C	M4H44T25C	M4H44T25C
40.70	Output RPM	43	85	43	85	43	85
	Class I catalog Hp	19.0	33.9	19.0	33.9	19.0	33.9
	Class I torque in-lbs	25600	23198	25600	23198	25600	23198
	Part number	M4H41T18C	M4H41T18C	M4H41T21C	M4H41T21C	M4H41T25C	M4H41T25C
34.48	Output RPM	51	100	51	100	51	100
	Class I catalog Hp	21.8	39.3	21.8	39.3	21.8	39.3
	Class I torque in-lbs	25059	22592	25059	22592	25059	22592
	Part number	M4H34T18C	M4H34T18C	M4H34T21C	M4H34T21C	M4H34T25C	M4H34T25C
30.05	Output RPM	58	115	58	115	58	115
	Class I catalog Hp	24.7	42.8	24.7	42.8	24.7	42.8
	Class I torque in-lbs	24514	21577	24514	21577	24514	21577
	Part number	M4H30T18C	M4H30T18C	M4H30T21C	M4H30T21C	M4H30T25C	M4H30T25C
25.57	Output RPM	68	135	68	135	68	135
	Class I catalog Hp	28.3	47.4	28.3	47.4	28.3	47.4
	Class I torque in-lbs	23946	20336	23946	20336	23946	20336
	Part number	M4H26T18C	M4H26T18C	M4H26T21C	M4H26T21C	M4H26T25C	M4H26T25C
21.82	Output RPM	80	158	80	158	80	158
	Class I catalog Hp	32.5	52.9	32.5	52.9	32.5	52.9
	Class I torque in-lbs	23375	19268	23375	19268	23375	19268
	Part number	M4H22T18C	M4H22T18C	M4H22T21C	M4H22T21C	M4H22T25C	M4H22T25C
17.89	Output RPM	98	193	98	193	98	193
	Class I catalog Hp	38.6	59.3	38.6	59.3	38.6	59.3
	Class I torque in-lbs	22660	17747	22660	17747	22660	17747
	Part number	M4H18T18C	M4H18T18C	M4H18T21C	M4H18T21C	M4H18T25C	M4H18T25C
14.35	Output RPM	122	-	122	-	122	-
	Class I catalog Hp	38.6	-	38.6	-	38.6	-
	Class I torque in-lbs	18152	-	18152	-	18152	-
	Part number	M4H14T18C	-	M4H14T21C	-	M4H14T25C	-

This page lists all 'possible' part numbers. Part numbers with service factor higher than 2.0 may not be loaded in the system. Call Dodge for price availability. For reducer dimensions and accessories, see pages G1-42 through G1-67.

## MTA Engineering information

### MTA4 Horsepower and torque ratings

#### MTA4207

Ratio	Mtr speed	NEMA 280TC / 280TSC		NEMA 320TSC	
		1750	3450	1750	3450
73.57	Output RPM	-	47	-	47
	Class I catalog Hp	-	-	-	-
	Class I torque in-lbs	-	-	-	-
	Part number	-	-	-	-
66.17	Output RPM	-	52	-	52
	Class I catalog Hp	-	-	-	-
	Class I torque in-lbs	-	-	-	-
	Part number	-	-	-	-
61.04	Output RPM	-	57	-	57
	Class I catalog Hp	-	-	-	-
	Class I torque in-lbs	-	-	-	-
	Part number	-	-	-	-
51.72	Output RPM	-	67	-	67
	Class I catalog Hp	-	27.6	-	-
	Class I torque in-lbs	-	24049	-	-
	Part number	-	M4H52T28TSC	-	-
49.04	Output RPM	-	70	-	70
	Class I catalog Hp	-	29.0	-	-
	Class I torque in-lbs	-	23849	-	-
	Part number	-	M4H49T28TSC	-	-
44.11	Output RPM	-	78	-	78
	Class I catalog Hp	-	31.8	-	-
	Class I torque in-lbs	-	23460	-	-
	Part number	-	M4H44T28TSC	-	-
40.70	Output RPM	-	85	-	85
	Class I catalog Hp	-	33.9	-	-
	Class I torque in-lbs	-	23198	-	-
	Part number	-	M4H41T28TSC	-	-
34.48	Output RPM	-	100	-	100
	Class I catalog Hp	-	39.3	-	39.3
	Class I torque in-lbs	-	22592	-	22592
	Part number	-	M4H34T28TSC	-	M4H34T32TSC
30.05	Output RPM	-	115	-	115
	Class I catalog Hp	-	42.8	-	42.8
	Class I torque in-lbs	-	21577	-	21577
	Part number	-	M4H30T28TSC	-	M4H30T32TSC
25.57	Output RPM	68	135	-	135
	Class I catalog Hp	28.3	47.4	-	47.4
	Class I torque in-lbs	23946	20336	-	20336
	Part number	M4H26T28C	M4H26T28TSC	-	M4H26T32TSC
21.82	Output RPM	80	158	-	158
	Class I catalog Hp	32.5	52.9	-	52.9
	Class I torque in-lbs	23375	19268	-	19268
	Part number	M4H22T28C	M4H22T28TSC	-	M4H22T32TSC
17.89	Output RPM	98	193	-	193
	Class I catalog Hp	38.6	59.3	-	59.3
	Class I torque in-lbs	22660	17747	-	17747
	Part number	M4H18T28C	M4H18T28TSC	-	M4H18T32TSC
14.35	Output RPM	122	-	-	-
	Class I catalog Hp	38.6	-	-	-
	Class I torque in-lbs	18152	-	-	-
	Part number	M4H14T28C	-	-	-

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# MTA Engineering information

## MTA5 Horsepower and torque ratings

### MTA5215

Ratio	Mtr speed	NEMA 180TC		NEMA 210TC		NEMA 250TC	
		1750	3450	1750	3450	1750	3450
71.98	Output RPM	24	48	24	48	24	48
	Class I catalog Hp	19.2	35.8	19.2	35.8	19.2	35.8
	Class I torque in-lbs	45078	43120	45078	43120	45078	43120
	Part number	M5H72T18C	M5H72T18C	M5H72T21C	M5H72T21C	M5H72T25C	M5H72T25C
64.74	Output RPM	27	53	27	53	27	53
	Class I catalog Hp	20.8	39.5	20.8	39.5	20.8	39.5
	Class I torque in-lbs	44903	42605	44903	42605	44903	42605
	Part number	M5H65T18C	M5H65T18C	M5H65T21C	M5H65T21C	M5H65T25C	M5H65T25C
59.73	Output RPM	29	58	29	58	29	58
	Class I catalog Hp	23.0	42.9	23.0	42.9	23.0	42.9
	Class I torque in-lbs	44821	42323	44821	42323	44821	42323
	Part number	M5H60T18C	M5H60T18C	M5H60T21C	M5H60T21C	M5H60T25C	M5H60T25C
50.61	Output RPM	35	68	35	68	35	68
	Class I catalog Hp	26.7	49.7	26.7	49.7	26.7	49.7
	Class I torque in-lbs	44206	41713	44206	41713	44206	41713
	Part number	M5H51T18C	M5H51T18C	M5H51T21C	M5H51T21C	M5H51T25C	M5H51T25C
47.99	Output RPM	36	72	36	72	36	72
	Class I catalog Hp	28.2	51.8	28.2	51.8	28.2	51.8
	Class I torque in-lbs	44012	41491	44012	41491	44012	41491
	Part number	M5H48T18C	M5H48T18C	M5H48T21C	M5H48T21C	M5H48T25C	M5H48T25C
43.16	Output RPM	41	80	41	80	41	80
	Class I catalog Hp	31.1	57.1	31.1	57.1	31.1	57.1
	Class I torque in-lbs	43712	41080	43712	41080	43712	41080
	Part number	M5H43T18C	M5H43T18C	M5H43T21C	M5H43T21C	M5H43T25C	M5H43T25C
39.82	Output RPM	44	87	44	87	44	87
	Class I catalog Hp	32.9	60.1	32.9	60.1	32.9	60.1
	Class I torque in-lbs	43340	39450	43340	39450	43340	39450
	Part number	M5H40T18C	M5H40T18C	M5H40T21C	M5H40T21C	M5H40T25C	M5H40T25C
33.74	Output RPM	52	102	52	102	52	102
	Class I catalog Hp	38.8	65.7	38.8	65.7	38.8	65.7
	Class I torque in-lbs	42734	36628	42734	36628	42734	36628
	Part number	M5H34T18C	M5H34T18C	M5H34T21C	M5H34T21C	M5H34T25C	M5H34T25C
29.41	Output RPM	60	117	60	117	60	117
	Class I catalog Hp	43.6	70.9	43.6	70.9	43.6	70.9
	Class I torque in-lbs	42205	34306	42205	34306	42205	34306
	Part number	M5H29T18C	M5H29T18C	M5H29T21C	M5H29T21C	M5H29T25C	M5H29T25C
25.05	Output RPM	70	138	70	138	70	138
	Class I catalog Hp	50.4	77.6	50.4	77.6	50.4	77.6
	Class I torque in-lbs	41608	32014	41608	32014	41608	32014
	Part number	M5H25T18C	M5H25T18C	M5H25T21C	M5H25T21C	M5H25T25C	M5H25T25C
21.35	Output RPM	82	162	82	162	82	162
	Class I catalog Hp	58.4	81.2	58.4	81.2	58.4	81.2
	Class I torque in-lbs	40566	28448	40566	28448	40566	28448
	Part number	M5H21T18C	M5H21T18C	M5H21T21C	M5H21T21C	M5H21T25C	M5H21T25C
17.50	Output RPM	100	197	100	197	100	197
	Class I catalog Hp	65.0	85.3	65.0	85.3	65.0	85.3
	Class I torque in-lbs	36974	24363	36974	24363	36974	24363
	Part number	M5H18T18C	M5H18T18C	M5H18T21C	M5H18T21C	M5H18T25C	M5H18T25C
14.04	Output RPM	125	-	125	-	125	-
	Class I catalog Hp	65	-	65	-	65	-
	Class I torque in-lbs	29572	-	29572	-	29572	-
	Part number	M5H14T18C	-	M5H14T21C	-	M5H14T25C	-

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## MTA Engineering information

### MTA5 Horsepower and torque ratings

#### MTA5215

Ratio	Mtr speed	NEMA 280TC / 280TSC		NEMA 320TC / 320TSC		NEMA 360TC / 360TSC	
		1750	3450	1750	3450	1750	3450
71.98	Output RPM	-	48	-	-	-	-
	Class I catalog Hp	-	35.8	-	-	-	-
	Class I torque in-lbs	-	43120	-	-	-	-
	Part number	-	M5H72T28TSC	-	-	-	-
64.74	Output RPM	-	53	-	-	-	-
	Class I catalog Hp	-	39.5	-	-	-	-
	Class I torque in-lbs	-	42605	-	-	-	-
	Part number	-	M5H65T28TSC	-	-	-	-
59.73	Output RPM	-	58	-	58	-	-
	Class I catalog Hp	-	42.9	-	42.9	-	-
	Class I torque in-lbs	-	42323	-	42323	-	-
	Part number	-	M5H60T28TSC	-	M5H60T32TSC	-	-
50.61	Output RPM	35	68	-	68	-	-
	Class I catalog Hp	26.7	49.7	-	49.7	-	-
	Class I torque in-lbs	44206	41713	-	41713	-	-
	Part number	M5H51T28C	M5H51T28TSC	-	M5H51T32TSC	-	-
47.99	Output RPM	36	72	-	72	-	-
	Class I catalog Hp	28.2	51.8	-	51.8	-	-
	Class I torque in-lbs	44012	41491	-	41491	-	-
	Part number	M5H48T28C	M5H48T28TSC	-	M5H48T32TSC	-	-
43.16	Output RPM	41	80	-	80	-	-
	Class I catalog Hp	31.1	57.1	-	57.1	-	-
	Class I torque in-lbs	43712	41080	-	41080	-	-
	Part number	M5H43T28C	M5H43T28TSC	-	M5H43T32TSC	-	-
39.82	Output RPM	44	87	-	87	-	87
	Class I catalog Hp	32.9	60.1	-	60.1	-	60.1
	Class I torque in-lbs	43340	39450	-	39450	-	39450
	Part number	M5H40T28C	M5H40T28TSC0	-	M5H40T32TSC	-	M5H40T36TSC
33.74	Output RPM	52	102	-	102	-	102
	Class I catalog Hp	38.8	65.7	-	65.7	-	65.7
	Class I torque in-lbs	42734	36628	-	36628	-	36628
	Part number	M5H34T28C	M5H34T28TSC	-	M5H34T32TSC	-	M5H29T36TSC
29.41	Output RPM	60	117	60	117	-	117
	Class I catalog Hp	43.6	70.9	43.6	70.9	-	70.9
	Class I torque in-lbs	42205	34306	42205	34306	-	34306
	Part number	M5H29T28C	M5H29T28TSC	M5H29T32C	M5H29T32TSC	-	M5H29T36TSC
25.05	Output RPM	70	138	70	138	-	138
	Class I catalog Hp	50.4	77.6	50.4	77.6	-	77.6
	Class I torque in-lbs	41608	32014	41608	32014	-	32014
	Part number	M5H25T28C	M5H25T28TSC	M5H25T32C	M5H25T32TSC	-	M5H25T36TSC
21.35	Output RPM	82	162	82	162	-	162
	Class I catalog Hp	58.4	81.2	58.4	81.2	-	81.2
	Class I torque in-lbs	40566	28448	40566	28448	-	28448
	Part number	M5H21T28C	M5H21T28TSC	M5H21T32C	M5H21T32TSC	-	M5H21T36TSC
17.50	Output RPM	100	197	100	197	100	197
	Class I catalog Hp	65.0	85.3	65.0	85.3	65.0	85.3
	Class I torque in-lbs	36974	24363	36974	24363	36974	24363
	Part number	M5H18T28C	M5H18T28TSC	M5H18T32C	M5H18T32TSC	M5H18T36C	M5H18T36TSC
14.04	Output RPM	125	-	125	-	125	-
	Class I catalog Hp	65	-	65	-	65	-
	Class I torque in-lbs	29572	-	29572	-	29572	-
	Part number	M5H14T28C	-	M5H14T32C	-	M5H14T36C	-

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# MTA Engineering information

## MTA6 Horsepower and torque ratings

**-MTA6307**

Ratio	Mtr speed	NEMA 210TC		NEMA 250TC		NEMA 280TC / 280TSC	
		1750	3450	1750	3450	1750	3450
78.53	Output RPM	22	44	22	44	-	44
	Class I catalog Hp	23.6	44.7	23.6	44.7	-	44.7
	Class I torque in-lbs	61675	58420	61675	58420	-	58420
	Part number	M6H79T21C	M6H79T21C	M6H79T25C	M6H79T25C	-	M6H79T28TSC
66.92	Output RPM	26	52	26	52	26	52
	Class I catalog Hp	27.5	52.1	27.5	52.1	27.5	52.1
	Class I torque in-lbs	60887	57598	60887	57598	60887	57598
	Part number	M6H67T21C	M6H67T21C	M6H67T25C	M6H67T25C	M6H67T28C	M6H67T28TSC
59.05	Output RPM	30	58	30	58	30	58
	Class I catalog Hp	31.5	57.5	31.5	57.5	31.5	57.5
	Class I torque in-lbs	60309	57038	60309	57038	60309	57038
	Part number	M6H59T21C	M6H59T21C	M6H59T25C	M6H59T25C	M6H59T28C	M6H59T28TSC
52.35	Output RPM	33	66	33	66	33	66
	Class I catalog Hp	34.3	64.7	34.3	64.7	34.3	64.7
	Class I torque in-lbs	59800	56359	59800	56359	59800	56359
	Part number	M6H52T21C	M6H52T21C	M6H52T25C	M6H52T25C	M6H52T28C	M6H52T28TSC
50.26	Output RPM	35	69	35	69	35	69
	Class I catalog Hp	36.2	67.3	36.2	67.3	36.2	67.3
	Class I torque in-lbs	59500	56100	59500	56100	59500	56100
	Part number	M6H50T21C	M6H50T21C	M6H50T25C	M6H50T25C	M6H50T28C	M6H50T28TSC
44.61	Output RPM	39	77	39	77	39	77
	Class I catalog Hp	39.8	74.4	39.8	74.4	39.8	74.4
	Class I torque in-lbs	59050	55500	59050	55500	59050	55500
	Part number	M6H45T21C	M6H45T21C	M6H45T25C	M6H45T25C	M6H45T28C	M6H45T28TSC
39.37	Output RPM	44	88	44	88	44	88
	Class I catalog Hp	44.7	83.0	44.7	83.0	44.7	83.0
	Class I torque in-lbs	58420	54219	58420	54219	58420	54219
	Part number	M6H39T21C	M6H39T21C	M6H39T25C	M6H39T25C	M6H39T28C	M6H39T28TSC
33.51	Output RPM	52	103	52	103	52	103
	Class I catalog Hp	52.1	94.2	52.1	94.2	52.1	94.2
	Class I torque in-lbs	57598	52600	57598	52600	57598	52600
	Part number	M6H34T21C	M6H34T21C	M6H34T25C	M6H34T25C	M6H34T28C	M6H34T28TSC
29.03	Output RPM	60	119	60	119	60	119
	Class I catalog Hp	59.4	106.0	59.4	106.0	59.4	106.0
	Class I torque in-lbs	56877	51200	56877	51200	56877	51200
	Part number	M6H29T21C	M6H29T21C	M6H29T25C	M6H29T25C	M6H29T28C	M6H29T28TSC
24.43	Output RPM	72	141	72	141	72	141
	Class I catalog Hp	69.8	119.8	69.8	119.8	69.8	119.8
	Class I torque in-lbs	55995	48900	55995	48900	55995	48900
	Part number	M6H24T21C	M6H24T21C	M6H24T25C	M6H24T25C	M6H24T28C	M6H24T28TSC
22.04	Output RPM	79	157	79	157	79	157
	Class I catalog Hp	76.0	129.0	76.0	129.0	76.0	129.0
	Class I torque in-lbs	55400	47290	55400	47290	55400	47290
	Part number	M6H22T21C	M6H22T21C	M6H22T25C	M6H22T25C	M6H22T28C	M6H22T28TSC
18.95	Output RPM	92	-	92	-	92	-
	Class I catalog Hp	86.0	-	86.0	-	86.0	-
	Class I torque in-lbs	53743	-	53743	-	53743	-
	Part number	M6H19T21C	-	M6H19T25C	-	M6H19T28C	-
14.24	Output RPM	123	-	123	-	123	-
	Class I catalog Hp	86	-	86	-	86	-
	Class I torque in-lbs	40141	-	40141	-	40141	-
	Part number	M6H14T21C	-	M6H14T25C	-	M6H14T28C	-

This page lists all 'possible' part numbers. Part numbers with service factor higher than 2.0 may not be loaded in the system. Call Dodge for price availability. For reducer dimensions and accessories, see pages G1-42 through G1-67.

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## MTA Engineering information

### MTA6 Horsepower and torque ratings

#### MTA6307

Ratio	Mtr speed	NEMA 320TC / 320TSC		NEMA 360TC / 360TSC	
		1750	3450	1750	3450
78.53	Output RPM	-	44	-	-
	Class I catalog Hp	-	44.7	-	-
	Class I torque in-lbs	-	58420	-	-
	Part number	-	M6H79T32TSC	-	-
66.92	Output RPM	-	52	-	-
	Class I catalog Hp	-	52.1	-	-
	Class I torque in-lbs	-	57598	-	-
	Part number	-	M6H67T32TSC	-	-
59.05	Output RPM	-	58	-	-
	Class I catalog Hp	-	57.5	-	-
	Class I torque in-lbs	-	57038	-	-
	Part number	-	M6H59T32TSC	-	-
52.35	Output RPM	-	66	-	66
	Class I catalog Hp	-	64.7	-	64.7
	Class I torque in-lbs	-	56359	-	56359
	Part number	-	M6H52T32TSC	-	M6H52T36TSC
50.26	Output RPM	-	69	-	69
	Class I catalog Hp	-	67.3	-	67.3
	Class I torque in-lbs	-	56100	-	56100
	Part number	-	M6H50T32TSC	-	M6H50T36TSC
44.61	Output RPM	-	77	-	77
	Class I catalog Hp	-	74.4	-	74.4
	Class I torque in-lbs	-	55500	-	55500
	Part number	-	M6H45T32TSC	-	M6H45T36TSC
39.37	Output RPM	44	88	-	88
	Class I catalog Hp	44.7	83.0	-	83.0
	Class I torque in-lbs	58420	54219	-	54219
	Part number	M6H39T32C	M6H39T32TSC	-	M6H39T36TSC
33.51	Output RPM	52	103	-	103
	Class I catalog Hp	52.1	94.2	-	94.2
	Class I torque in-lbs	57598	52600	-	52600
	Part number	M6H34T32C	M6H34T32TSC	-	M6H34T36TSC
29.03	Output RPM	60	119	-	119
	Class I catalog Hp	59.4	106.0	-	106.0
	Class I torque in-lbs	56877	51200	-	51200
	Part number	M6H29T32C	M6H29T32TSC	-	M6H29T36TSC
24.43	Output RPM	72	141	72	141
	Class I catalog Hp	69.8	119.8	69.8	119.8
	Class I torque in-lbs	55995	48900	55995	48900
	Part number	M6H24T32C	M6H24T32TSC	M6H24T36C	M6H24T36TSC
22.04	Output RPM	79	157	79	157
	Class I catalog Hp	76.0	129.0	76.0	129.0
	Class I torque in-lbs	55400	47290	55400	47290
	Part number	M6H22T32C	M6H22T32TSC	M6H22T36C	M6H22T36TSC
18.95	Output RPM	92	-	92	-
	Class I catalog Hp	86.0	-	86.0	-
	Class I torque in-lbs	53743	-	53743	-
	Part number	M6H19T32C	-	M6H19T36C	-
14.24	Output RPM	123	-	123	-
	Class I catalog Hp	86	-	86	-
	Class I torque in-lbs	40141	-	40141	-
	Part number	M6H14T32C	-	M6H14T36C	-

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# MTA Engineering information

## MTA7 Horsepower and torque ratings

### MTA7315

Ratio	Mtr speed	NEMA 210TC		NEMA 250TC		NEMA 280TC / 280TSC	
		1750	3450	1750	3450	1750	3450
76.46	Output RPM	23	45	23	45	23	45
	Class I catalog Hp	36.7	69.6	36.7	69.6	36.7	69.6
	Class I torque in-lbs	92264	87200	92264	87200	92264	87200
	Part number	M7H76T21C	M7H76T21C	M7H76T25C	M7H76T25C	M7H76T28C	M7H76T28TSC
66.57	Output RPM	26	52	26	52	26	52
	Class I catalog Hp	41.7	78.1	41.7	78.1	41.7	78.1
	Class I torque in-lbs	91073	86100	91073	86100	91073	86100
	Part number	M7H67T21C	M7H67T21C	M7H67T25C	M7H67T25C	M7H67T28C	M7H67T28TSC
57.58	Output RPM	30	60	30	60	30	60
	Class I catalog Hp	47.3	88.7	47.3	88.7	47.3	88.7
	Class I torque in-lbs	90199	85010	90199	85010	90199	85010
	Part number	M7H58T21C	M7H58T21C	M7H58T25C	M7H58T25C	M7H58T28C	M7H58T28TSC
50.97	Output RPM	34	68	34	68	34	68
	Class I catalog Hp	53.8	98.7	53.8	98.7	53.8	98.7
	Class I torque in-lbs	89216	84004	89216	84004	89216	84004
	Part number	M7H51T21C	M7H51T21C	M7H51T25C	M7H51T25C	M7H51T28C	M7H51T28TSC
44.38	Output RPM	39	78	39	78	39	78
	Class I catalog Hp	60.9	111.6	60.9	111.6	60.9	111.6
	Class I torque in-lbs	88110	82999	88110	82999	88110	82999
	Part number	M7H44T21C	M7H44T21C	M7H44T25C	M7H44T25C	M7H44T28C	M7H44T28TSC
38.39	Output RPM	46	90	46	90	46	90
	Class I catalog Hp	69.0	127.6	69.0	127.6	69.0	127.6
	Class I torque in-lbs	87012	81445	87012	81445	87012	81445
	Part number	M7H38T21C	M7H38T21C	M7H38T25C	M7H38T25C	M7H38T28C	M7H38T28TSC
33.48	Output RPM	52	103	52	103	52	103
	Class I catalog Hp	77.9	142.1	77.9	142.1	77.9	142.1
	Class I torque in-lbs	85900	78264	85900	78264	85900	78264
	Part number	M7H33T21C	M7H33T21C	M7H33T25C	M7H33T25C	M7H33T28C	M7H33T28TSC
28.65	Output RPM	61	120	61	120	61	120
	Class I catalog Hp	90.1	162.1	90.1	162.1	90.1	162.1
	Class I torque in-lbs	84900	75233	84900	75233	84900	75233
	Part number	M7H29T21C	M7H29T21C	M7H29T25C	M7H29T25C	M7H26T29C	M7H26T29TSC
25.66	Output RPM	68	134	68	134	68	134
	Class I catalog Hp	98.9	177.0	98.9	177.0	98.9	177.0
	Class I torque in-lbs	83900	72653	83900	72653	83900	72653
	Part number	M7H26T21C	M7H26T21C	M7H26T25C	M7H26T25C	M7H26T28C	M7H26T28TSC
21.74	Output RPM	80	-	80	-	80	-
	Class I catalog Hp	114.7	-	114.7	-	114.7	-
	Class I torque in-lbs	82705	-	82705	-	82705	-
	Part number	M7H22T21C	-	M7H22T25C	-	M7H22T28C	-
18.77	Output RPM	93	-	93	-	93	-
	Class I catalog Hp	129.4	-	129.4	-	129.4	-
	Class I torque in-lbs	80425	-	80425	-	80425	-
	Part number	M7H19T21C	-	M7H19T25C	-	M7H19T28C	-
14.11	Output RPM	124	-	124	-	124	-
	Class I catalog Hp	129.4	-	129.4	-	129.4	-
	Class I torque in-lbs	60154	-	60154	-	60154	-
	Part number	M7H14T21C	-	M7H14T25C	-	M7H14T28C	-

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## MTA Engineering information

### MTA7 Horsepower and torque ratings

#### MTA7315

Ratio	Mtr speed	NEMA 320TC / 320TSC		NEMA 360TC / 360TSC		NEMA 405TC / 405TSC	
		1750	3450	1750	3450	1750	3450
76.46	Output RPM	-	45	-	45	-	-
	Class I catalog Hp	-	69.6	-	69.6	-	-
	Class I torque in-lbs	-	87200	-	87200	-	-
	Part number	-	M7H76T32TSC	-	M7H76T36TSC	-	-
66.57	Output RPM	26	52	-	52	-	-
	Class I catalog Hp	41.7	78.1	-	78.1	-	-
	Class I torque in-lbs	91073	86100	-	86100	-	-
	Part number	M7H67T32C	M7H67T32TSC	-	M7H67T36TSC	-	-
57.58	Output RPM	30	60	-	60	-	-
	Class I catalog Hp	47.3	88.7	-	88.7	-	-
	Class I torque in-lbs	90199	85010	-	85010	-	-
	Part number	M7H58T32C	M7H58T32TSC	-	M7H58T36TSC	-	-
50.97	Output RPM	34	68	-	68	-	-
	Class I catalog Hp	53.8	98.7	-	98.7	-	-
	Class I torque in-lbs	89216	84004	-	84004	-	-
	Part number	M7H51T32C	M7H51T32TSC	-	M7H51T36TSC	-	-
44.38	Output RPM	39	78	39	78	-	78
	Class I catalog Hp	60.9	111.6	60.9	111.6	-	111.6
	Class I torque in-lbs	88110	82999	88110	82999	-	82999
	Part number	M7H44T32C	M7H44T32TSC	M7H44T36C	M7H44T36TSC	-	M7H44T405TSC
38.39	Output RPM	46	90	46	90	-	90
	Class I catalog Hp	69.0	127.6	69.0	127.6	-	127.6
	Class I torque in-lbs	87012	81445	87012	81445	-	81445
	Part number	M7H38T32C	M7H38T32TSC	M7H38T36C	M7H38T36TSC	-	M7H38T405TSC
33.48	Output RPM	52	103	52	103	-	103
	Class I catalog Hp	77.9	142.1	77.9	142.1	-	142.1
	Class I torque in-lbs	85900	78264	85900	78264	-	78264
	Part number	M7H33T32C	M7H33T32TSC	M7H33T36C	M7H33T36TSC	-	M7H33T405TSC
28.65	Output RPM	61	120	61	120	-	120
	Class I catalog Hp	90.1	162.1	90.1	162.1	-	162.1
	Class I torque in-lbs	84900	75233	84900	75233	-	75233
	Part number	M7H29T32C	M7H29T32TSC	M7H29T36C	M7H29T36TSC	-	M7H29T405TSC
25.66	Output RPM	68	134	68	134	-	134
	Class I catalog Hp	98.9	177.0	98.9	177.0	-	177.0
	Class I torque in-lbs	83900	72653	83900	72653	-	72653
	Part number	M7H26T32C	M7H26T32TSC	M7H26T36C	M7H26T36TSC	-	M7H26T405TSC
21.74	Output RPM	80	-	80	-	80	-
	Class I catalog Hp	114.7	-	114.7	-	114.7	-
	Class I torque in-lbs	82705	-	82705	-	82705	-
	Part number	M7H22T32C	-	M7H22T36C	-	M7H22T405C	-
18.77	Output RPM	93	-	93	-	93	-
	Class I catalog Hp	129.4	-	129.4	-	129.4	-
	Class I torque in-lbs	80425	-	80425	-	80425	-
	Part number	M7H19T32C	-	M7H19T36C	-	M7H19T405C	-
14.11	Output RPM	124	-	124	-	124	-
	Class I catalog Hp	129.4	-	129.4	-	129.4	-
	Class I torque in-lbs	60154	-	60154	-	60154	-
	Part number	M7H14T32C	-	M7H14T36C	-	M7H14T405C	-

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# MTA Engineering information

## MTA8 Horsepower and torque ratings

**MTA8407**

Ratio	Mtr speed	NEMA 250TC		NEMA 280TC / 280TSC		NEMA 320TC / 320TSC	
		1750	3450	1750	3450	1750	3450
78.80	Output RPM	22	44	22	44	22	44
	Class I catalog Hp	50.8	94.3	50.8	94.3	50.8	94.3
	Class I torque in-lbs	131708	124715	131708	124715	131708	124715
	Part number	M8H79T25C	M8H79T25C	M8H79T28C	M8H79T28TSC	M8H79T32C	M8H79T32TSC
68.53	Output RPM	26	50	26	50	26	50
	Class I catalog Hp	58.2	108.4	58.2	108.4	58.2	108.4
	Class I torque in-lbs	130018	123407	130018	123407	130018	123407
	Part number	M8H69T25C	M8H69T25C	M8H69T28C	M8H69T28TSC	M8H69T32C	M8H69T32TSC
60.13	Output RPM	29	57	29	57	29	57
	Class I catalog Hp	64.8	121.0	64.8	121.0	64.8	121.0
	Class I torque in-lbs	128779	121749	128779	121749	128779	121749
	Part number	M8H60T25C	M8H60T25C	M8H60T28C	M8H60T28TSC	M8H60T32C	M8H60T32TSC
52.53	Output RPM	33	66	33	66	33	66
	Class I catalog Hp	74.6	136.0	74.6	136.0	74.6	136.0
	Class I torque in-lbs	127379	120296	127379	120296	127379	120296
	Part number	M8H53T25C	M8H53T25C	M8H53T28C	M8H53T28TSC	M8H53T32C	M8H53T32TSC
50.58	Output RPM	35	68	35	68	35	68
	Class I catalog Hp	76.0	140.9	76.0	140.9	76.0	140.9
	Class I torque in-lbs	127250	119990	127250	119990	127250	119990
	Part number	M8H51T25C	M8H51T25C	M8H51T28C	M8H51T28TSC	M8H51T32C	M8H51T32TSC
45.69	Output RPM	38	76	38	76	38	76
	Class I catalog Hp	84.1	154.8	84.1	154.8	84.1	154.8
	Class I torque in-lbs	126275	118900	126275	118900	126275	118900
	Part number	M8H46T25C	M8H46T25C	M8H46T28C	M8H46T28TSC	M8H46T32C	M8H46T32TSC
40.09	Output RPM	44	86	44	86	44	86
	Class I catalog Hp	96.1	174.5	96.1	174.5	96.1	174.5
	Class I torque in-lbs	124850	117057	124850	117057	124850	117057
	Part number	M8H40T25C	M8H40T25C	M8H40T28C	M8H40T28TSC	M8H40T32C	M8H40T32TSC
33.90	Output RPM	52	102	52	102	52	102
	Class I catalog Hp	109.9	203.6	109.9	203.6	109.9	203.6
	Class I torque in-lbs	122950	114665	122950	114665	122950	114665
	Part number	M8H34T25C	M8H34T25C	M8H34T28C	M8H34T28TSC	M8H34T32C	M8H34T32TSC
30.76	Output RPM	57	112	57	112	57	112
	Class I catalog Hp	120.2	220.5	120.2	220.5	120.2	220.5
	Class I torque in-lbs	122121	113281	122121	113281	122121	113281
	Part number	M8H31T25C	M8H31T25C	M8H31T28C	M8H31T28TSC	M8H31T32C	M8H31T32TSC
26.82	Output RPM	65	-	65	-	65	-
	Class I catalog Hp	135.9	-	135.9	-	135.9	-
	Class I torque in-lbs	120500	-	120500	-	120500	-
	Part number	M8H27T25C	-	M8H27T28C	-	M8H27T32C	-
22.77	Output RPM	77	-	77	-	77	-
	Class I catalog Hp	156.3	-	156.3	-	156.3	-
	Class I torque in-lbs	118690	-	118690	-	118690	-
	Part number	M8H23T25C	-	M8H23T28C	-	M8H23T32C	-
17.43	Output RPM	100	-	100	-	100	-
	Class I catalog Hp	201.5	-	201.5	-	201.5	-
	Class I torque in-lbs	114960	-	114960	-	114960	-
	Part number	M8H17T25C	-	M8H17T28C	-	M8H17T32C	-
13.93	Output RPM	126	-	126	-	126	-
	Class I catalog Hp	201.5	-	201.5	-	201.5	-
	Class I torque in-lbs	91460	-	91460	-	91460	-
	Part number	M8H14T25C	-	M8H14T28C	-	M8H14T32C	-

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## MTA Engineering information

### MTA8 Horsepower and torque ratings

#### MTA8407

Ratio	Mtr speed	NEMA 360TC / 360TSC		NEMA 405TC / 405TSC	
		1750	3450	1750	3450
78.80	Output RPM	–	44	–	–
	Class I catalog Hp	–	94.3	–	–
	Class I torque in-lbs	–	124715	–	–
	Part number	–	M8H79T36TSC	–	–
68.53	Output RPM	–	50	–	50
	Class I catalog Hp	–	108.4	–	108.4
	Class I torque in-lbs	–	123407	–	123407
	Part number	–	M8H69T36TSC	–	M8H69T405TSC
60.13	Output RPM	29	57	–	57
	Class I catalog Hp	64.8	121.0	–	121.0
	Class I torque in-lbs	128779	121749	–	121749
	Part number	M8H60T36C	M8H60T36TSC	–	M8H60T405TSC
52.53	Output RPM	33	66	–	66
	Class I catalog Hp	74.6	136.0	–	136.0
	Class I torque in-lbs	127379	120296	–	120296
	Part number	M8H53T36C	M8H53T36TSC	–	M8H53T405TSC
50.58	Output RPM	35	68	–	68
	Class I catalog Hp	76.0	140.9	–	140.9
	Class I torque in-lbs	127250	119990	–	119990
	Part number	M8H51T36C	M8H51T36TSC	–	M8H51T405TSC
45.69	Output RPM	38	76	–	76
	Class I catalog Hp	84.1	154.8	–	154.8
	Class I torque in-lbs	126275	118900	–	118900
	Part number	M8H46T36C	M8H46T36TSC	–	M8H46T405TSC
40.09	Output RPM	44	86	–	86
	Class I catalog Hp	96.1	174.5	–	174.5
	Class I torque in-lbs	124850	117057	–	117057
	Part number	M8H40T36C	M8H40T36TSC	–	M8H40T405TSC
33.90	Output RPM	52	102	52	102
	Class I catalog Hp	109.9	203.6	109.9	203.6
	Class I torque in-lbs	122950	114665	122950	114665
	Part number	M8H34T36C	M8H34T36TSC	M8H34T405C	M8H34T405TSC
30.76	Output RPM	57	112	57	112
	Class I catalog Hp	120.2	220.5	120.2	220.5
	Class I torque in-lbs	122121	113281	122121	113281
	Part number	M8H31T36C	M8H31T36TSC	M8H31T405C	M8H31T405TSC
26.82	Output RPM	65	–	65	–
	Class I catalog Hp	135.9	–	135.9	–
	Class I torque in-lbs	120500	–	120500	–
	Part number	M8H27T36C	–	M8H27T405C	–
22.77	Output RPM	77	–	77	–
	Class I catalog Hp	156.3	–	156.3	–
	Class I torque in-lbs	118690	–	118690	–
	Part number	M8H23T36C	–	M8H23T405C	–
17.43	Output RPM	100	–	100	–
	Class I catalog Hp	201.5	–	201.5	–
	Class I torque in-lbs	114960	–	114960	–
	Part number	M8H17T36C	–	M8H17T405C	–
13.93	Output RPM	126	–	126	–
	Class I catalog Hp	201.5	–	201.5	–
	Class I torque in-lbs	91460	–	91460	–
	Part number	M8H14T36C	–	M8H14T405C	–

This page lists all 'possible' part numbers. Part numbers with service factor higher than 2.0 may not be loaded in the system. Call Dodge for price availability. For reducer dimensions and accessories, see pages G1-42 through G1-67.

## EZ Selection

### Hp and speed

EZ Selection Table use for gearbox and gearmotor selection:

- Select the gearbox based on horsepower and speed
- Most Torque-Arm applications will require a Class 2 service factor.
- Those table start on page G1-31
- When you have selected the gearbox, note which motor speed is required to be used for that output speed. There are 1750 and 3450rpm motors used.
- If the customer wants to order as a "gearmotor" package (gearbox and C-Face motor), refer to pages G1-35 to G1-41.
- The motors used in the listed Class I and Class 2 standard gearmotor part numbers, ex: M4H26T25C2018, are premium efficient VEM/CEM motors. They are three phase, totally enclosed, C-Face motors, IP44. Good for 10:1 VFD use.

Basic CEM/VEM features are listed as:

- Locked DE bearing to allow mounting in any configuration
- 60 Hz designs with 50 Hz information on 2,4,6 pole 1-125 Hp ratings
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2
- Simple F1 to F2 conversion on cast iron frames

The severe duty motors listed in the Class 2 sections ex: M4H26T25C2018CP, are Premium Efficient CECP severe duty motors. They are three phase, totally enclosed, C-Face motors, IP55. Good for 10:1 VFD use.

Basic CECP features are listed as:

- Robust cast iron construction
- Regreasable bearings all frames
- Embossed raised letter, 304 stainless steel nameplates
- Inverter ready nameplate
- Division 2, Class I, Groups A,B,C,D markings on nameplate
- Locked bearing to allow mounting in any configuration

For extreme applications requiring higher starting torque, we have some class 3 selections with Nema C motors. Please contact Dodge Gearing Product Management Team or your local Dodge sales engineer

## Class I EZ Selection Hp and speed

Hp	Output RPM	Reducer	Motor RPM	Hp	Output RPM	Reducer	Motor RPM
3	23	M2H77T18C	1750	5	23	M3H76T18C	1750
	25	M2H71T18C	1750		25	M3H70T18C	1750
	26	M2H66T18C	1750		26	M2H66T18C	1750
	30	M2H58T18C	1750		30	M2H58T18C	1750
	34	M2H54T18C	1750		34	M2H54T18C	1750
	37	M2H47T18C	1750		37	M2H47T18C	1750
	40	M2H44T18C	1750		40	M2H44T18C	1750
	45	M2H39T18C	1750		45	M2H39T18C	1750
	49	M2H36T18C	1750		49	M2H36T18C	1750
	52	M2H66T18C	3450		52	M2H66T18C	3450
	54	M2H32T18C	1750		54	M2H32T18C	1750
	59	M2H30T18C	1750		59	M2H30T18C	1750
	67	M2H51T18C	3450		67	M2H51T18C	3450
	70	M2H25T18C	1750		70	M2H25T18C	1750
	73	M2H47T18C	3450		73	M2H47T18C	3450
	78	M2H44T18C	3450		78	M2H44T18C	3450
	82	M2H21T18C	1750		82	M2H21T18C	1750
	89	M2H39T18C	3450		89	M2H39T18C	3450
	96	M2H36T18C	3450		96	M2H36T18C	3450
	99	M2H18T18C	1750		99	M2H18T18C	1750
107	M2H32T18C	3450	107	M2H32T18C	3450		
116	M2H30T18C	3450	116	M2H30T18C	3450		
119	M2H15T18C	1750	119	M2H15T18C	1750		
139	M2H25T18C	3450	139	M2H25T18C	3450		
163	M2H21T18C	3450	163	M2H21T18C	3450		
195	M2H18T18C	3450	195	M2H18T18C	3450		
235	M2H15T18C	3450	235	M2H15T18C	3450		

Hp	Output RPM	Reducer	Motor RPM	Hp	Output RPM	Reducer	Motor RPM
7.5	24	M4H74T21C	1750	10	24	M4H74T21C	1750
	26	M4H66T21C	1750		26	M4H66T21C	1750
	27	M3H65T21C	1750		29	M4H61T21C	1750
	30	M3H58T21C	1750		34	M4H52T21C	1750
	35	M3H51T21C	1750		35	M3H51T21C	1750
	37	M3H47T21C	1750		37	M3H47T21C	1750
	40	M2H44T21C	1750		40	M3H44T21C	1750
	45	M2H39T21C	1750		46	M3H38T21C	1750
	49	M2H36T21C	1750		49	M3H35T21C	1750
	52	M2H66T21C	3450		53	M3H65T21C	3450
	54	M2H32T21C	1750		55	M3H32T25C	1750
	59	M2H30T21C	1750		59	M2H30T21C	1750
	67	M2H51T21C	3450		67	M2H51T21C	3450
	70	M2H25T21C	1750		70	M2H25T21C	1750
	73	M2H47T21C	3450		73	M2H47T21C	3450
	78	M2H44T21C	3450		78	M2H44T21C	3450
	82	M2H21T21C	1750		82	M2H21T21C	1750
	89	M2H39T21C	3450		89	M2H39T21C	3450
	96	M2H36T21C	3450		96	M2H36T21C	3450
	99	M2H18T21C	1750		99	M2H18T21C	1750
107	M2H32T21C	3450	107	M2H32T21C	3450		
116	M2H30T21C	3450	116	M2H30T21C	3450		
119	M2H15T21C	1750	119	M2H15T21C	1750		
139	M2H25T21C	3450	139	M2H25T21C	3450		
163	M2H21T21C	3450	163	M2H21T21C	3450		
195	M2H18T21C	3450	195	M2H18T21C	3450		
235	M2H15T21C	3450	235	M2H15T21C	3450		

\* Consult Dodge Engineering for thermal considerations of application.  
For reducer dimensions and accessories, see pages G1-42 through G1-67.

For reducer part numbers with motors, see pages G1-35 through G1-41 Class I and Class II selection tables.



### Class I EZ Selection Hp and speed

Hp	Output RPM	Reducer	Motor RPM
15	24	M5H72T25C	1750
	27	M5H65T25C	1750
	29	M5H60T25C	1750
	34	M4H52T25C	1750
	36	M4H49T25C	1750
	40	M4H44T25C	1750
	43	M4H41T25C	1750
	47	M4H74T25C	3450
	51	M4H34T25C	1750
	52	M4H66T25C	3450
	55	M3H32T25C	1750
	60	M3H29T25C	1750
	68	M3H51T25C	3450
	71	M3H25T25C	1750
	74	M3H47T25C	3450
	79	M3H44T25C	3450
	83	M3H21T25C	1750
	90	M3H38T25C	3450
	96	M2H36T25C	3450
	99	M2H18T25C	1750
107	M2H32T25C	3450	
116	M2H30T25C	3450	
119	M2H15T25C	1750	
139	M2H25T25C	3450	
163	M2H21T25C	3450	
195	M2H18T25C	3450	
235	M2H15T25C	3450	

Hp	Output RPM	Reducer	Motor RPM
25	23	M7H76T28C	1750
	26	M6H67T28C	1750
	30	M6H59T28C	1750
	33	M6H52T28C	1750
	35	M5H51T28C	1750
	36	M5H48T28C	1750
	41	M5H43T28C	1750
	44	M5H40T28C	1750
	48	M5H72T28TSC	3450
	52	M5H34T28C	1750
	53	M5H65T28TSC	3450
	58	M5H60T28TSC	3450
	60	M5H29T28C	1750
	67	M4H52T28TSC	3450
	68	M4H26T28C	1750
	70	M4H49T28TSC	3450
	78	M4H44T28TSC	3450
	80	M4H22T28C	1750
	85	M4H41T28TSC	3450
	98	M4H18T28C	1750
100	M4H34T28TSC	3450	
115	M4H30T28TSC	3450	
122	M4H14T28C	1750	
140	M3H25T28TSC	3450	
165	M3H21T28TSC	3450	
198	M3H17T28TSC	3450	
238	M3H14T28TSC	3450	

Hp	Output RPM	Reducer	Motor RPM
20	22	M6H79T25C	1750
	26	M6H67T25C	1750
	27	M5H65T25C	1750
	29	M5H60T25C	1750
	35	M5H51T25C	1750
	36	M5H48T25C	1750
	41	M5H43T25C	1750
	44	M5H40T25C	1750
	47	M4H74T25C	3450
	51	M4H34T25C	1750
	52	M4H66T25C	3450
	57	M4H61T25C	3450
	58	M4H30T25C	1750
	67	M4H52T25C	3450
	68	M4H26T25C	1750
	70	M4H49T25C	3450
	78	M4H44T25C	3450
	79	M3H44T25C	3450
	83	M3H21T25C	1750
	90	M3H38T25C	3450
97	M3H35T25C	3450	
100	M3H17T25C	1750	
109	M3H32T25C	3450	
118	M3H29T25C	3450	
121	M3H14T25C	1750	
140	M3H25T25C	3450	
163	M2H21T25C	3450	
195	M2H18T25C	3450	
235	M2H15T25C	3450	

Hp	Output RPM	Reducer	Motor RPM
30	23	M7H76T28C	1750
	26	M7H67T28C	1750
	30	M6H59T28C	1750
	33	M6H52T28C	1750
	35	M6H50T28C	1750
	39	M6H45T28C	1750
	41	M5H43T28C	1750
	44	M5H40T28C	1750
	48	M5H72T28TSC	3450
	52	M5H34T28C	1750
	53	M5H65T28TSC	3450
	58	M5H60T28TSC	3450
	60	M5H29T28C	1750
	68	M5H51T28TSC	3450
	70	M5H25T28C	1750
	72	M5H48T28TSC	3450
	78	M4H44T28TSC	3450
	80	M4H22T28C	1750
	85	M4H41T28TSC	3450
	98	M4H18T28C	1750
100	M4H34T28TSC	3450	
115	M4H30T28TSC	3450	
122	M4H14T28C	1750	
140	M3H25T28TSC	3450	
165	M3H21T28TSC	3450	
198	M3H17T28TSC	3450	
238	M3H14T28TSC	3450	

\* Consult Dodge Engineering for thermal considerations of application  
For reducer dimensions and accessories, see pages G1-42 through G1-67.

For reducer part numbers with motors, see pages G1-35 through G1-41 Class I and Class II selection tables.

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Part Number Index

### Class I EZ Selection Hp and speed

Hp	Output RPM	Reducer	Motor RPM
40	-	-	-
	22	M8H79T32C	1750
	26	M7H67T32C	1750
	30	M7H58T32C	1750
	34	M7H51T32C	1750
	39	M7H44T32C	1750
	44	M6H79T32TSC	3450
	44	M6H39T32C	1750
	52	M6H67T32TSC	3450
	52	M6H34T32C	1750
	58	M5H60T32TSC	3450
	60	M5H29T32C	1750
	68	M5H51T32TSC	3450
	70	M5H25T32C	1750
	72	M5H48T32TSC	3450
	80	M5H43T32TSC	3450
	82	M5H21T32C	1750
	87	M5H40T32TSC	3450
	100	M5H18T32C	1750
	102	M5H34T32TSC	3450
115	M4H30T32TSC*	3450	
135	M4H26T32TSC*	3450	
158	M4H22T32TSC*	3450	
193	M4H18T32TSC*	3450	
135	M4H26T32TSC*	3450	
158	M4H22T32TSC*	3450	
193	M4H14T32TSC*	3450	

Hp	Output RPM	Reducer	Motor RPM
50	-	-	-
	22	M8H79T32C	1750
	26	M8H69T32C	1750
	29	M8H60T32C	1750
	34	M7H51T32C	1750
	39	M7H44T32C	1750
	45	M7H76T32TSC	3450
	46	M7H38T32C	1750
	52	M6H67T32TSC	3450
	52	M6H34T32C	1750
	58	M6H59T32TSC	3450
	60	M6H29T32C	1750
	66	M6H52T32TSC	3450
	69	M6H50T32TSC	3450
	72	M5H48T32TSC	3450
	80	M5H43T32TSC	3450
	82	M5H21T32C	1750
	87	M5H40T32TSC	3450
	100	M5H18T32C	1750
	102	M5H34T32TSC	3450
117	M5H29T32TSC	3450	
125	M5H14T32C	1750	
138	M5H25T32TSC	3450	
158	M4H22T32TSC	3450	
193	M4H18T32TSC	3450	
193	M4H14T32TSC*	3450	

Hp	Output RPM	Reducer	Motor RPM
60	29	M8H60T36C	1750
	33	M8H53T36C	1750
	34	M8H51T36C	1750
	38	M8H46T36C	1750
	39	M7H44T36C	1750
	45	M7H76T36TSC	3450
	46	M7H38T36C	1750
	52	M7H67T36TSC	3450
	52	M7H33T36C	1750
	60	M7H58T36TSC	3450
	61	M7H29T36C	1750
	66	M6H52T36TSC	3450
	69	M6H50T36TSC	3450
	72	M6H24T36C	1750
	77	M6H45T36TSC	3450
	79	M6H22T36C	1750
	88	M6H39T36TSC	3450
	92	M6H19T36C	1750
	100	M5H18T36C	1750
	102	M5H34T36TSC	3450
117	M5H29T36TSC	3450	
125	M5H14T36C	1750	
138	M5H25T36TSC	3450	
162	M5H21T36TSC	3450	
197	M5H18T36TSC	3450	

Hp	Output RPM	Reducer	Motor RPM
75	-	-	-
	34	M8H51T36C	1750
	38	M8H46T36C	1750
	44	M8H40T36C	1750
	44	M8H79T36TSC	3450
	50	M8H69T36TSC	3450
	52	M7H67T36TSC	3450
	52	M7H33T36C	1750
	60	M7H58T36TSC	3450
	61	M7H29T36C	1750
	68	M7H51T36TSC	3450
	68	M7H26T36C	1750
	78	M7H44T36TSC	3450
	80	M7H22T36C	1750
	88	M6H39T36TSC*	3450
	92	M6H19T36C*	1750
	103	M6H34T36TSC*	3450
	119	M6H29T36TSC*	3450
	123	M6H14T36C*	1750
	141	M6H24T36TSC*	3450
157	M6H22T36TSC*	3450	
162	M5H21T36TSC*	3450	
197	M5H18T36TSC*	3450	

\* Consult Dodge Engineering for thermal considerations of application  
For reducer dimensions and accessories, see pages G1-42 through G1-67.

For reducer part numbers with motors, see pages G1-35 through G1-41 Class I and Class II selection tables.

## Class I EZ Selection Hp and speed

Hp	Output RPM	Reducer	Motor RPM
100	50	M8H69T405TSC*	3450
	52	M8H34T405C*	1750
	57	M8H31T405C*	1750
	57	M8H60T405TSC*	3450
	65	M8H27T405C*	1750
	66	M8H53T405TSC*	3450
	68	M8H51T405TSC*	3450
	76	M8H46T405TSC*	3450
	77	M8H23T405C*	1750
	78	M7H44T405TSC*	3450
	80	M7H22T405C*	1750
	90	M7H38T405TSC*	3450
	93	M7H19T405C*	1750
	103	M7H33T405TSC*	3450
	120	M7H29T405TSC*	3450
	124	M7H14T405C*	1750
	134	M7H26T405TSC*	3450
	134	M7H26T405TSC*	3450

\* Consult Dodge Engineering for thermal considerations of application. This reducer motor combination requires the largest optional fan available for the 100hp motor. This is included in the gearmotor packages, but customers using other motors need to add this for extended thermal capacity.

## Class II EZ Selection Hp and speed

Hp	Output RPM	Reducer	Motor RPM
3	23	M2H77T18C	1750
	25	M2H71T18C	1750
	26	M2H66T18C	1750
	30	M2H58T18C	1750
	34	M2H54T18C	1750
	37	M2H47T18C	1750
	40	M2H44T18C	1750
	45	M2H39T18C	1750
	49	M2H36T18C	1750
	52	M2H66T18C	3450
	54	M2H32T18C	1750
	59	M2H30T18C	1750
	67	M2H51T18C	3450
	70	M2H25T18C	1750
	73	M2H47T18C	3450
	78	M2H44T18C	3450
	82	M2H21T18C	1750
	89	M2H39T18C	3450
	96	M2H36T18C	3450
	99	M2H18T18C	1750
107	M2H32T18C	3450	
116	M2H30T18C	3450	
119	M2H14T18C	1750	
139	M2H25T18C	3450	
163	M2H21T18C	3450	
195	M2H18T18C	3450	
235	M2H14T18C	3450	

Hp	Output RPM	Reducer	Motor RPM
7.5	24	M4H74T21C	1750
	26	M4H66T21C	1750
	29	M4H61T21C	1750
	34	M4H52T21C	1750
	36	M4H49T21C	1750
	37	M3H47T21C	1750
	40	M3H44T21C	1750
	46	M3H38T21C	1750
	49	M3H35T21C	1750
	53	M3H65T21C	3450
	55	M3H32T21C	1750
	60	M3H29T21C	1750
	67	M2H51T21C	3450
	70	M2H25T21C	1750
	73	M2H47T21C	3450
	78	M2H44T21C	3450
	82	M2H21T21C	1750
	89	M2H39T21C	3450
	96	M2H36T21C	3450
	99	M2H18T21C	1750
107	M2H32T21C	3450	
116	M2H30T21C	3450	
119	M2H14T21C	1750	
139	M2H25T21C	3450	
163	M2H21T21C	3450	
195	M2H18T21C	3450	
235	M2H14T21C	3450	

Hp	Output RPM	Reducer	Motor RPM
5	23	M3H76T18C	1750
	25	M3H70T18C	1750
	27	M3H65T18C	1750
	30	M3H58T18C	1750
	35	M3H51T18C	1750
	37	M3H47T18C	1750
	40	M2H44T18C	1750
	45	M2H39T18C	1750
	49	M2H36T18C	1750
	52	M2H66T18C	3450
	54	M2H32T18C	1750
	59	M2H30T18C	1750
	67	M2H51T18C	3450
	70	M2H25T18C	1750
	73	M2H47T18C	3450
	78	M2H44T18C	3450
	82	M2H21T18C	1750
	89	M2H39T18C	3450
	96	M2H36T18C	3450
	99	M2H18T18C	1750
107	M2H32T18C	3450	
116	M2H30T18C	3450	
119	M2H14T18C	1750	
139	M2H25T18C	3450	
163	M2H21T18C	3450	
195	M2H18T18C	3450	
235	M2H14T18C	3450	

Hp	Output RPM	Reducer	Motor RPM
10	24	M5H72T21C	1750
	27	M5H65T21C	1750
	29	M5H60T21C	1750
	34	M4H52T21C	1750
	36	M4H49T21C	1750
	40	M4H44T21C	1750
	43	M4H41T21C	1750
	47	M4H74T21C	3450
	49	M3H35T21C	1750
	53	M3H65T21C	3450
	55	M3H32T21C	1750
	60	M3H29T21C	1750
	68	M3H51T21C	3450
	71	M3H25T21C	1750
	74	M3H47T21C	3450
	79	M3H44T21C	3450
	83	M3H21T21C	1750
	89	M2H39T21C	3450
	96	M2H36T21C	3450
	99	M2H18T21C	1750
107	M2H32T21C	3450	
116	M2H30T21C	3450	
119	M2H14T21C	1750	
139	M2H25T21C	3450	
163	M2H21T21C	3450	
195	M2H18T21C	3450	
235	M2H14T21C	3450	

\* Consult Dodge Engineering for thermal considerations of application  
For reducer dimensions and accessories, see pages G1-42 through G1-67.

For reducer part numbers with motors, see pages G1-35 through G1-41 Class I and Class II selection tables.

### Class II EZ Selection Hp and speed

Hp	Output RPM	Reducer	Motor RPM
15	22	M6H79T25C	1750
	26	M6H67T25C	1750
	29	M5H60T25C	1750
	35	M5H51T25C	1750
	36	M5H48T25C	1750
	41	M5H43T25C	1750
	44	M5H40T25C	1750
	48	M5H72T25C	3450
	51	M4H34T25C	1750
	52	M4H66T25C	3450
	57	M4H61T25C	3450
	58	M4H30T25C	1750
	67	M4H52T25C	3450
	68	M4H26T25C	1750
	70	M4H49T25C	3450
	79	M3H44T25C	3450
	83	M3H21T25C	1750
	90	M3H38T25C	3450
	97	M3H35T25C	3450
	100	M3H17T25C	1750
109	M3H32T25C	3450	
118	M3H29T25C	3450	
121	M3H14T25C	1750	
140	M3H25T25C	3450	
163	M2H21T25C	3450	
195	M2H18T25C	3450	
235	M2H14T25C	3450	

Hp	Output RPM	Reducer	Motor RPM
25	23	M7H76T28C	1750
	26	M7H67T28C	1750
	30	M7H58T28C	1750
	34	M7H51T28C	1750
	35	M6H504T28C	1750
	39	M6H45T28C	1750
	44	M6H79T28TSC	3450
	44	M6H39T28C	1750
	48	M5H72T28TSC	3450
	52	M5H34T28C	1750
	53	M5H65T28TSC	3450
	58	M5H60T28TSC	3450
	60	M5H29T28C	1750
	68	M5H51T28TSC	3450
	70	M5H25T28C	1750
	72	M5H48T28TSC	3450
	80	M5H43T28TSC	3450
	82	M5H21T28C	1750
	87	M5H40T28TSC	3450
	98	M4H18T28C	1750
100	M4H34T28TSC	3450	
115	M4H30T28TSC	3450	
122	M4H14T28C	1750	
135	M4H26T28TSC	3450	
158	M4H22T28TSC	3450	
165	M3H21T28TSC	3450	
198	M3H17T28TSC	3450	
238	M3H14T28TSC	3450	

Hp	Output RPM	Reducer	Motor RPM
20	23	M7H76T25C	1750
	27	M7H67T25C	1750
	30	M6H59T25C	1750
	33	M6H52T25C	1750
	35	M6H50T25C	1750
	39	M6H45T25C	1750
	41	M5H43T25C	1750
	44	M5H40T25C	1750
	48	M5H72T25C	3450
	52	M5H34T25C	1750
	53	M5H65T25C	3450
	58	M5H60T25C	3450
	60	M5H29T25C	1750
	68	M4H26T25C	1750
	70	M4H49T25C	3450
	78	M4H44T25C	3450
	80	M4H22T25C	1750
	85	M4H41T25C	3450
	98	M4H18T25C	1750
	100	M4H34T25C	3450
115	M4H30T25C	3450	
121	M4H14T25C	1750	
140	M3H25T25C	3450	
165	M3H21T25C	3450	
198	M3H17T25C	3450	
238	M3H14T25C	3450	

Hp	Output RPM	Reducer	Motor RPM
30	22	M8H79T28C	1750
	26	M8H69T32C	1750
	30	M7H58T28C	1750
	34	M7H51T28C	1750
	39	M7H44T28C	1750
	44	M6H79T28TSC	3450
	44	M6H39T28C	1750
	52	M6H67T28TSC	3450
	52	M6H34T28C	1750
	58	M5H60T28TSC	3450
	60	M5H29T28C	1750
	68	M5H51T28TSC	3450
	70	M5H25T28C	1750
	72	M5H48T28TSC	3450
	80	M5H43T28TSC	3450
	82	M5H21T28C	1750
	87	M5H40T28TSC	3450
	100	M5H18T28C	1750
	102	M5H34T28TSC	3450
	117	M5H29T28TSC	3450
125	M5H14T28C	1750	
135	M4H26T28TSC	3450	
158	M4H22T28TSC	3450	
193	M4H18T28TSC	3450	

\* Consult Dodge Engineering for thermal considerations of application  
For reducer dimensions and accessories, see pages G1-42 through G1-67.

For reducer part numbers with motors, see pages G1-35 through G1-41 Class I and Class II selection tables.

## Class II EZ Selection Hp and speed

Hp	Output RPM	Reducer	Motor RPM
40	26	M8H69T32C	1750
	29	M8H60T32C	1750
	33	M8H53T32C	1750
	34	M8H51T32C	1750
	38	M8H46T32C	1750
	39	M7H44T32C	1750
	45	M7H76T32TSC	3450
	46	M7H38T32C	1750
	52	M7H67T32TSC	3450
	52	M7H33T32C	1750
	58	M6H59T32TSC	3450
	60	M6H29T32C	1750
	66	M6H52T32TSC	3450
	69	M6H50T32TSC	3450
	72	M6H24T32C	1750
	77	M6H45T32TSC	3450
	79	M6H22T32C	1750
	82	M5H21T32C	1750
	87	M5H40T32TSC	3450
100	M5H18T32C	1750	
102	M5H34T32TSC	3450	
117	M5H29T32TSC	3450	
125	M5H14T32C	1750	
138	M5H25T32TSC	3450	
162	M5H21T32TSC	3450	
193	M4H18T32TSC	3450	

Hp	Output RPM	Reducer	Motor RPM
60	38	M8H46T36C	1750
	44	M8H40T36C	1750
	44	M8H79T36TSC	3450
	50	M8H69T36TSC	3450
	52	M8H34T36C	1750
	57	M8H31T36C	1750
	57	M8H60T36TSC	3450
	60	M7H58T36TSC	3450
	61	M7H29T36C	1750
	68	M7H51T36TSC	3450
	68	M7H26T36C	1750
	78	M7H44T36TSC	3450
	80	M7H22T36C	1750
	90	M7H38T36TSC	3450
	92	M6H19T36C	1750
	103	M6H34T36TSC	3450
	119	M6H29T36TSC	3450
	123	M6H14T36C	1750
	141	M6H24T36TSC	3450
157	M6H22T36TSC	3450	

Hp	Output RPM	Reducer	Motor RPM
50	33	M8H53T32C	1750
	34	M8H51T32C	1750
	38	M8H46T32C	1750
	44	M8H40T32C	1750
	44	M8H79T32TSC	3450
	50	M8H69T32TSC	3450
	52	M7H67T32TSC	3450
	52	M7H33T32C	1750
	60	M7H58T32TSC	3450
	61	M7H29T32C	1750
	68	M7H51T32TSC	3450
	68	M7H26T32C	1750
	72	M6H24T32C	1750
	77	M6H45T32TSC	3450
	79	M6H22T32C	1750
	88	M6H39T32TSC	3450
	92	M6H19T32C	1750
	103	M6H34T32TSC	3450
	119	M6H29T32TSC	3450
	123	M6H14T32C	1750
	138	M5H25T32TSC	3450
	162	M5H21T32TSC	3450
	197	M5H18T32TSC	3450

Hp	Output RPM	Reducer	Motor RPM
75	50	M8H69T36TSC	3450
	52	M8H34T36C	1750
	57	M8H31T36C	1750
	57	M8H60T36TSC	3450
	65	M8H27T36C	1750
	66	M8H53T36TSC	3450
	68	M8H51T36TSC	3450
	76	M8H46T36TSC	3450
	77	M8H23T36C	1750
	78	M7H44T36TSC	3450
	80	M7H22T36C	1750
	90	M7H38T36TSC	3450
	93	M7H19T36C	1750
	103	M7H33T36TSC	3450
	119	M7H29T36TSC	3450
	124	M7H14T36C	1750
	141	M6H24T36TSC*	3450
	157	M6H22T36TSC*	3450

\* Consult Dodge Engineering for thermal considerations of application  
For reducer dimensions and accessories, see pages G1-42 through G1-67.

For reducer part numbers with motors, see pages G1-35 through G1-41 Class I and Class II selection tables.

## Class II EZ Selection Hp and speed

Hp	Output RPM	Reducer	Motor RPM
100	68	M8H51T405TSC*	3450
	76	M8H46T405TSC*	3450
	77	M8H23T405C*	1750
	86	M8H40T405TSC*	3450
	100	M8H17T405C*	1750
	102	M8H34T405TSC*	3450
	112	M8H31T405TSC*	3450
	124	M8H14T405C*	1750
	134	M7H26T405TSC*	3450
	120	M7H29T405TSC*	3450
	134	M7H26T405TSC*	3450

\* Consult Dodge Engineering for thermal considerations of application. This reducer motor combination requires the largest optional fan available for the 100hp motor. This is included in the gearmotor packages, but customers using other motors need to add this for extended thermal capacity.

## MTA EZ Selection tables

### Class 1, 1.0 service factor

#### MTA2115H Class 1

Output RPM	Ratio	Class 1 motor Hp	Motor speed	Part number	C-Face Gearmotor Part number	Service factor
23	76.96	3	1750	M2H77T18C	M2H77T18C318	1.47
25	71.18	3	1750	M2H71T18C	M2H71T18C318	1.60
26	66.07	5	1750	M2H66T18C	M2H66T18C518	1.01
30	58.29	5	1750	M2H58T18C	M2H58T18C518	1.16
34	51.31	5	1750	M2H51T18C	M2H51T18C518	1.29
37	47.45	5	1750	M2H47T18C	M2H47T18C518	1.40
40	44.05	7.5	1750	M2H44T21C	M2H44T21C718	1.01
45	38.86	7.5	1750	M2H39T21C	M2H39T21C718	1.12
49	35.88	7.5	1750	M2H36T21C	M2H36T21C718	1.20
52	66.07	7.5	3450	M2H66T21C	M2H66T21C736	1.27
54	32.15	7.5	1750	M2H32T21C	M2H32T21C718	1.31
59	29.64	10	1750	M2H30T21C	M2H30T21C1018	1.05
67	51.31	10	3450	M2H51T21C	M2H51T21C1036	1.17
70	24.87	10	1750	M2H25T21C	M2H25T21C1018	1.21
73	47.45	10	3450	M2H47T21C	M2H47T21C1036	1.25
78	44.05	10	3450	M2H44T21C	M2H44T21C1036	1.31
82	21.22	10	1750	M2H21T21C	M2H21T21C1018	1.37
89	38.86	10	3450	M2H39T21C	M2H39T21C1036	1.46
96	35.88	15	3450	M2H36T25C	M2H36T25C1536	1.03
99	17.68	15	1750	M2H18T25C	M2H18T25C1518	1.05
107	32.15	15	3450	M2H32T25C	M2H32T25C1536	1.11
116	29.64	15	3450	M2H30T25C	M2H30T25C1536	1.17
119	14.65	15	1750	M2H15T25C	M2H15T25C1518	1.05
139	24.87	15	3450	M2H25T25C	M2H25T25C1536	1.32
163	21.22	20	3450	M2H21T25C	M2H21T25C2036	1.12
195	17.68	20	3450	M2H18T25C	M2H18T25C2036	1.28
235	14.65	20	3450	M2H15T25C	M2H15T25C2036	1.28

\* Consult Dodge Engineering for thermal considerations of application

### Class 2, 1.4 service factor

#### MTA2115H Class 2

Output RPM	Ratio	Class 2 motor Hp	Motor speed	Part number	Std C-Face Gearmotor Part number	Severe duty C-Face Gearmotor Part number	Service factor
23	76.96	3	1750	M2H77T18C	M2H77T18C318	M2H77T18C318CP	1.47
25	71.18	3	1750	M2H71T18C	M2H71T18C318	M2H71T18C318CP	1.60
26	66.07	3	1750	M2H66T18C	M2H66T18C318	M2H66T18C318CP	1.68
30	58.29	3	1750	M2H58T18C	M2H58T18C318	M2H58T18C318CP	1.94
34	51.31	3	1750	M2H51T18C	M2H51T18C318	M2H51T18C318CP	2.16
37	47.45	3	1750	M2H47T18C	M2H47T18C318	M2H47T18C318CP	2.33
40	44.05	5	1750	M2H44T18C	M2H44T18C518	M2H44T18C518CP	1.51
45	38.86	5	1750	M2H39T18C	M2H39T18C518	M2H39T18C518CP	1.68
49	35.88	5	1750	M2H36T18C	M2H36T18C518	M2H36T18C518CP	1.80
52	66.07	5	3450	M2H66T18C	M2H66T18C536	M2H66T18C536CP	1.90
54	32.15	5	1750	M2H32T18C	M2H32T18C518	M2H32T18C518CP	1.96
59	29.64	5	1750	M2H30T18C	M2H30T18C518	M2H30T18C518CP	2.11
67	51.31	7.5	3450	M2H51T21C	M2H51T21C736	M2H51T21C736CP	1.56
70	24.87	7.5	1750	M2H25T21C	M2H25T21C718	M2H25T21C718CP	1.62
73	47.45	7.5	3450	M2H47T21C	M2H47T21C736	M2H47T21C736CP	1.66
78	44.05	7.5	3450	M2H44T21C	M2H44T21C736	M2H44T21C736CP	1.74
82	21.22	7.5	1750	M2H21T21C	M2H21T21C718	M2H21T21C718CP	1.82
89	38.86	10	3450	M2H39T21C	M2H39T21C1036	M2H39T21C1036CP	1.46
96	35.88	10	3450	M2H36T21C	M2H36T21C1036	M2H36T21C1036CP	1.54
99	17.68	10	1750	M2H18T21C	M2H18T21C1018	M2H18T21C1018CP	1.57
107	32.15	10	3450	M2H32T21C	M2H32T21C1036	M2H32T21C1036CP	1.66
116	29.64	10	3450	M2H30T21C	M2H30T21C1036	M2H30T21C1036CP	1.76
119	14.65	10	1750	M2H15T21C	M2H15T21C1018	M2H15T21C1018CP	1.57
139	24.87	10	3450	M2H25T21C	M2H25T21C1036	M2H25T21C1036CP	1.98
163	21.22	15	3450	M2H21T25C	M2H21T25C1536	M2H21T25C1536CP	1.49
195	17.68	15	3450	M2H18T25C	M2H18T25C1536	M2H18T25C1536CP	1.71
235	14.65	15	3450	M2H15T25C	M2H15T25C1536	M2H15T25C1536CP	1.71

†+ Severe duty gearmotor packages are designed for class 2 service and come with a CECP severe duty motor attached

For reducer dimensions and accessories, see pages G1-42 through G1-67.



# MTA EZ Selection tables

## Class 1, 1.0 service factor

### MTA3203H Class 1

Output RPM	Ratio	Class 1 motor Hp	Motor speed	Part number	C-Face Gearmotor Part number	Service factor
23	76.02	5	1750	M3H76T18C	M3H76T18C518	1.42
25	70.30	5	1750	M3H70T18C	M3H70T18C518	1.48
27	65.26	7.5	1750	M3H65T21C	M3H65T21C718	1.04
30	57.58	7.5	1750	M3H58T21C	M3H58T21C718	1.20
35	50.68	10	1750	M3H51T21C	M3H51T21C1018	1.01
37	46.87	10	1750	M3H47T21C	M3H47T21C1018	1.09
40	43.51	10	1750	M3H44T21C	M3H44T21C1018	1.19
46	38.39	10	1750	M3H38T21C	M3H38T21C1018	1.31
49	35.44	10	1750	M3H35T21C	M3H35T21C1018	1.42
53	65.26	10	3450	M3H65T21C	M3H65T21C1036	1.48
55	31.75	15	1750	M3H32T25C	M3H32T25C1518	1.02
60	29.28	15	1750	M3H29T25C	M3H29T25C1518	1.09
68	50.68	15	3450	M3H51T25C	M3H51T25C1536	1.18
71	24.57	15	1750	M3H25T25C	M3H25T25C1518	1.26
74	46.87	15	3450	M3H47T25C	M3H47T25C1536	1.30
79	43.51	20	3450	M3H44T25C	M3H44T25C2036	1.04
83	20.96	20	1750	M3H21T25C	M3H21T25C2018	1.08
90	38.39	20	3450	M3H38T25C	M3H38T25C2036	1.15
97	35.44	20	3450	M3H35T25C	M3H35T25C2036	1.23
100	17.46	20	1750	M3H17T25C	M3H17T25C2018	1.26
109	31.75	20	3450	M3H32T25C	M3H32T25C2036	1.34
118	29.28	20	3450	M3H29T25C	M3H29T25C2036	1.40
121	14.47	20	1750	M3H14T25C	M3H14T25C2018	1.26
140	24.57	30	3450	M3H25T28TSC	M3H25T28TSC3036	1.09
165	20.96	30	3450	M3H21T28TSC	M3H21T28TSC3036	1.22
198	17.46	30	3450	M3H17T28TSC	M3H17T28TSC3036	1.37
238	14.47	30	3450	M3H14T28TSC	M3H14T28TSC3036	1.37

\* Consult Dodge Engineering for thermal considerations of application

## Class 2, 1.4 service factor

### MTA3203H Class 2

Output RPM	Ratio	Class 2 motor Hp	Motor speed	Part number	Std C-Face Gearmotor Part number	Severe duty C-Face GearMotor Part number	Service factor
23	76.02	5	1750	M3H76T18C	M3H76T18C518	M3H76T18C518CP	1.42
25	70.30	5	1750	M3H70T18C	M3H70T18C518	M3H70T18C518CP	1.48
27	65.26	5	1750	M3H65T18C	M3H65T18C518	M3H65T18C518CP	1.56
30	57.58	5	1750	M3H58T18C	M3H58T18C518	M3H58T18C518CP	1.80
35	50.68	5	1750	M3H51T18C	M3H51T18C518	M3H51T18C518CP	2.03
37	46.87	7.5	1750	M3H47T21C	M3H47T21C718	M3H47T21C718CP	1.46
40	43.51	7.5	1750	M3H44T21C	M3H44T21C718	M3H44T21C718CP	1.58
46	38.39	7.5	1750	M3H38T21C	M3H38T21C718	M3H38T21C718CP	1.74
49	35.44	10	1750	M3H35T21C	M3H35T21C1018	M3H35T21C1018CP	1.42
53	65.26	10	3450	M3H65T21C	M3H65T21C1036	M3H65T21C1036CP	1.48
55	31.75	10	1750	M3H32T21C	M3H32T21C1018	M3H32T21C1018CP	1.53
60	29.28	10	1750	M3H29T21C	M3H29T21C1018	M3H29T21C1018CP	1.64
68	50.68	10	3450	M3H51T21C	M3H51T21C1036	M3H51T21C1036CP	1.77
71	24.57	10	1750	M3H25T21C	M3H25T21C1018	M3H25T21C1018CP	1.89
74	46.87	10	3450	M3H47T21C	M3H47T21C1036	M3H47T21C1036CP	1.95
79	43.51	15	3450	M3H44T25C	M3H44T25C1536	M3H44T25C1536CP	1.38
83	20.96	15	1750	M3H21T25C	M3H21T25C1518	M3H21T25C1518CP	1.44
90	38.39	15	3450	M3H38T25C	M3H38T25C1536	M3H38T25C1536CP	1.54
97	35.44	15	3450	M3H35T25C	M3H35T25C1536	M3H35T25C1536CP	1.64
100	17.46	15	1750	M3H17T25C	M3H17T25C1518	M3H17T25C1518CP	1.68
109	31.75	15	3450	M3H32T25C	M3H32T25C1536	M3H32T25C1536CP	1.79
118	29.28	15	3450	M3H29T25C	M3H29T25C1536	M3H29T25C1536CP	1.86
121	14.47	15	1750	M3H14T25C	M3H14T25C1518	M3H14T25C1518CP	1.68
140	24.57	20	3450	M3H25T25C	M3H25T25C2036	M3H25T25C2036CP	1.64
165	20.96	25	3450	M3H21T28TSC	M3H21T28TSC2536	M3H21T28TSC2536CP	1.47
198	17.46	25	3450	M3H17T28TSC	M3H17T28TSC2536	M3H17T28TSC2536CP	1.64
235	14.47	25	3450	M3H14T28TSC	M3H14T28TSC2536	M3H14T28TSC2536CP	1.64

+ Severe duty gearmotor packages are designed for class 2 service and come with a CECP severe duty motor attached  
 For reducer dimensions and accessories, see pages G1-42 through G1-67.

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## MTA EZ Selection tables

### Class 1, 1.0 service factor

#### MTA4207H Class 1

Output RPM	Ratio	Class 1 motor Hp	Motor speed	Part number	C-Face Gearmotor Part number	Service factor
24	73.57	10	1750	M4H74T21C	M4H74T21C1018	1.15
26	66.17	10	1750	M4H66T21C	M4H66T21C1018	1.24
29	61.04	10	1750	M4H61T21C	M4H61T21C1018	1.32
34	51.72	15	1750	M4H52T25C	M4H52T25C1518	1.04
36	49.04	15	1750	M4H49T25C	M4H49T25C1518	1.09
40	44.11	15	1750	M4H44T25C	M4H44T25C1518	1.20
43	40.70	15	1750	M4H41T25C	M4H41T25C1518	1.27
47	73.57	20	3450	M4H74T25C	M4H74T25C2036	1.01
51	34.48	20	1750	M4H34T25C	M4H34T25C2018	1.09
52	66.17	20	3450	M4H66T25C	M4H66T25C2036	1.13
57	61.04	20	3450	M4H61T25C	M4H61T25C2036	1.20
58	30.05	20	1750	M4H30T25C	M4H30T25C2018	1.24
67	51.72	25	3450	M4H52T28TSC	M4H52T28TSC2536	1.10
68	25.57	25	1750	M4H26T28C	M4H26T28C2518	1.13
70	49.04	25	3450	M4H49T28TSC	M4H49T28TSC2536	1.16
78	44.11	30	3450	M4H44T28TSC	M4H44T28TSC3036	1.06
80	21.82	30	1750	M4H22T28C	M4H22T28C3018	1.08
85	40.70	30	3450	M4H41T28TSC	M4H41T28TSC3036	1.13
98	17.89	30	1750	M4H18T28C	M4H18T28C3018	1.29
100	34.48	30	3450	M4H34T28TSC	M4H34T28TSC3036	1.31
115	30.05	30	3450	M4H30T28TSC	M4H30T28TSC3036	1.39
122	14.35	30	1750	M4H14T28C	M4H14T28C3018	1.29
135	25.57	40	3450	M4H26T32TSC	M4H26T32TSC4036	1.18
158	21.82	50	3450	M4H22T32TSC	M4H22T32TSC5036	1.06
193	17.89	50	3450	M4H18T32TSC	M4H18T32TSC5036	1.19

\* Consult Dodge Engineering for thermal considerations of application

### Class 2, 1.4 service factor

#### MTA4207H Class 2

Output RPM	Ratio	Class 2 motor Hp	Motor speed	Part number	Std C-Face Gearmotor Part number	Severe duty C-Face Gearmotor Part number	Service factor
24	73.57	7.5	1750	M4H74T21C	M4H74T21C718	M4H74T21C718CP	1.53
26	66.17	7.5	1750	M4H66T21C	M4H66T21C718	M4H66T21C718CP	1.65
29	61.04	7.5	1750	M4H61T21C	M4H61T21C718	M4H61T21C718CP	1.76
34	51.72	10	1750	M4H52T21C	M4H52T21C1018	M4H52T21C1018CP	1.56
36	49.04	10	1750	M4H49T21C	M4H49T21C1018	M4H49T21C1018CP	1.64
40	44.11	10	1750	M4H44T21C	M4H44T21C1018	M4H44T21C1018CP	1.80
43	40.70	10	1750	M4H41T21C	M4H41T21C1018	M4H41T21C1018CP	1.90
47	73.57	10	3450	M4H74T21C	M4H74T21C1036	M4H74T21C1036CP	2.03
51	34.48	15	1750	M4H34T25C	M4H34T25C1518	M4H34T25C1518CP	1.45
52	66.17	15	3450	M4H66T25C	M4H66T25C1536	M4H66T25C1536CP	1.50
57	61.04	15	3450	M4H61T25C	M4H61T25C1536	M4H61T25C1536CP	1.60
58	30.05	15	1750	M4H30T25C	M4H30T25C1518	M4H30T25C1518CP	1.65
67	51.72	15	3450	M4H52T25C	M4H52T25C1536	M4H52T25C1536CP	1.84
68	25.57	20	1750	M4H26T25C	M4H26T25C2018	M4H26T25C2018CP	1.42
70	49.04	20	3450	M4H49T25C	M4H49T25C2036	M4H49T25C2036CP	1.45
78	44.11	20	3450	M4H44T25C	M4H44T25C2036	M4H44T25C2036CP	1.59
80	21.82	20	1750	M4H22T25C	M4H22T25C2018	M4H22T25C2018CP	1.63
85	40.70	20	3450	M4H41T25C	M4H41T25C2036	M4H41T25C2036CP	1.69
98	17.89	25	1750	M4H18T28C	M4H18T28C2518	M4H18T28C2518CP	1.54
100	34.48	25	3450	M4H34T28TSC	M4H34T28TSC2536	M4H34T28TSC2536CP	1.57
115	30.05	25	3450	M4H30T28TSC	M4H30T28TSC2536	M4H30T28TSC2536CP	1.72
122	14.35	25	1750	M4H14T28C	M4H14T28C2518	M4H14T28C2518CP	1.54
135	25.57	30	3450	M4H26T28TSC	M4H26T28TSC3036	M4H26T28TSC3036CP	1.58
158	21.82	30	3450	M4H22T28TSC	M4H22T28TSC3036	M4H22T28TSC3036CP	1.76
193	17.89	40	3450	M4H18T32TSC	M4H18T32TSC4036	M4H18T32TSC4036CP	1.48

\*+ Severe duty gearmotor packages are designed for class 2 service and come with a CECP severe duty motor attached  
For reducer dimensions and accessories, see pages G1-42 through G1-67.

## MTA EZ Selection tables

### Class 1, 1.0 service factor

#### MTA5215H Class 1

Output RPM	Ratio	Class 1 motor Hp	Motor speed	Part number	C-Face Gearmotor Part number	Service factor
24	71.98	15	1750	M5H72T25C	M5H72T25C1518	1.28
27	64.74	20	1750	M5H65T25C	M5H65T25C2018	1.04
29	59.73	20	1750	M5H60T25C	M5H60T25C2018	1.15
35	50.61	25	1750	M5H51T28C	M5H51T28C2518	1.07
36	47.99	25	1750	M5H48T28C	M5H48T28C2518	1.13
41	43.16	30	1750	M5H43T28C	M5H43T28C3018	1.04
44	39.82	30	1750	M5H40T28C	M5H40T28C3018	1.10
48	71.98	30	3450	M5H72T28TSC	M5H72T28TSC3036	1.19
52	33.74	30	1750	M5H34T28C	M5H34T28C3018	1.29
53	64.74	30	3450	M5H65T28TSC	M5H65T28TSC3036	1.32
58	59.73	40	3450	M5H60T32TSC	M5H60T32TSC4036	1.07
60	29.41	40	1750	M5H29T32C	M5H29T32C4018	1.09
68	50.61	40	3450	M5H51T32TSC	M5H51T32TSC4036	1.24
70	25.05	50	1750	M5H25T32C	M5H25T32C5018	1.01
72	47.99	50	3450	M5H48T32TSC	M5H48T32TSC5036	1.04
80	43.16	50	3450	M5H43T32TSC	M5H43T32TSC5036	1.14
82	21.35	50	1750	M5H21T32C	M5H21T32C5018	1.17
87	39.82	50	3450	M5H40T32TSC	M5H40T32TSC5036	1.20
100	17.50	60	1750	M5H18T36C	M5H18T36C6018	1.08
102	33.74	60	3450	M5H34T36TSC	M5H34T36TSC6036	1.10
117	29.41	60	3450	M5H29T36TSC	M5H29T36TSC6036	1.18
125	14.05	60	1750	M5H14T36C	M5H14T36C6018	1.08
138	25.05	60	3450	M5H25T36TSC	M5H25T36TSC6036	1.29
162	21.35	60	3450	M5H21T36TSC	M5H21T36TSC6036	1.35
197	17.50	60	3450	M5H18T36TSC	M5H18T36TSC6036	1.42

\* Consult Dodge Engineering for thermal considerations of application

### Class 2, 1.4 service factor

#### MTA5215H Class 2

Output RPM	Ratio	Class 2 motor Hp	Motor speed	Part number	Std C-Face Gearmotor Part number	Severe duty C-Face Gearmotor Part number	Service factor
24	71.98	10	1750	M5H72T21C	M5H72T21C1018	M5H72T21C1018CP	1.92
27	64.74	10	1750	M5H65T21C	M5H65T21C1018	M5H65T21C1018CP	2.08
29	59.73	15	1750	M5H60T25C	M5H60T25C1518	M5H60T25C1518CP	1.53
35	50.61	15	1750	M5H51T25C	M5H51T25C1518	M5H51T25C1518CP	1.78
36	47.99	15	1750	M5H48T25C	M5H48T25C1518	M5H48T25C1518CP	1.88
41	43.16	20	1750	M5H43T25C	M5H43T25C2018	M5H43T25C2018CP	1.55
44	39.82	20	1750	M5H40T25C	M5H40T25C2018	M5H40T25C2018CP	1.65
48	71.98	25	3450	M5H72T28TSC	M5H72T28TSC2536	M5H72T28TSC2536CP	1.43
52	33.74	25	1750	M5H34T28C	M5H34T28C2518	M5H34T28C2518CP	1.55
53	64.74	25	3450	M5H65T28TSC	M5H65T28TSC2536	M5H65T28TSC2536CP	1.58
58	59.73	30	3450	M5H60T28TSC	M5H60T28TSC3036	M5H60T28TSC3036CP	1.43
60	29.41	30	1750	M5H29T28C	M5H29T28C3018	M5H29T28C3018CP	1.45
68	50.61	30	3450	M5H51T28TSC	M5H51T28TSC3036	M5H51T28TSC3036CP	1.66
70	25.05	30	1750	M5H25T28C	M5H25T28C3018	M5H25T28C3018CP	1.68
72	47.99	30	3450	M5H48T28TSC	M5H48T28TSC3036	M5H48T28TSC3036CP	1.73
80	43.16	30	3450	M5H43T28TSC	M5H43T28TSC3036	M5H43T28TSC3036CP	1.90
82	21.35	40	1750	M5H21T32C	M5H21T32C4018	M5H21T32C4018CP	1.46
87	39.82	40	3450	M5H40T32TSC	M5H40T32TSC4036	M5H40T32TSC4036CP	1.50
100	17.50	40	1750	M5H18T32C	M5H18T32C4018	M5H18T32C4018CP	1.62
102	33.74	40	3450	M5H34T32TSC	M5H34T32TSC4036	M5H34T32TSC4036CP	1.64
117	29.41	40	3450	M5H29T32TSC	M5H29T32TSC4036	M5H29T32TSC4036CP	1.77
125	14.05	40	1750	M5H14T32C	M5H14T32C4018	M5H14T32C4018CP	1.62
138	25.05	50	3450	M5H25T32TSC	M5H25T32TSC5036	M5H25T32TSC5036CP	1.55
162	21.35	50	3450	M5H21T32TSC	M5H21T32TSC5036	M5H21T32TSC5036CP	1.62
197	17.50	50	3450	M5H18T32TSC	M5H18T32TSC5036	M5H18T32TSC5036CP	1.71

+ Severe duty gearmotor packages are designed for class 2 service and come with a CECP severe duty motor attached  
 For reducer dimensions and accessories, see pages G1-42 through G1-67.

## MTA EZ Selection tables

### Class 1, 1.0 service factor

#### MTA6307H Class 1

Output RPM	Ratio	Class 1 motor Hp	Motor speed	Part number	C-Face Gearmotor Part number	Service factor
22	78.53	20	1750	M6H79T25C	M6H79T25C2018	1.18
26	66.92	25	1750	M6H67T28C	M6H67T28C2518	1.10
30	59.05	30	1750	M6H59T28C	M6H59T28C3018	1.05
33	52.35	30	1750	M6H52T28C	M6H52T28C3018	1.14
35	50.26	30	1750	M6H50T28C	M6H50T28C3018	1.21
39	44.61	30	1750	M6H45T28C	M6H45T28C3018	1.33
44	78.53	40	3450	M6H79T32TSC	M6H79T32TSC4036	1.12
44	39.37	40	1750	M6H39T32C	M6H39T32C4018	1.12
52	66.92	50	3450	M6H67T32TSC	M6H67T32TSC5036	1.04
52	33.51	50	1750	M6H34T32C	M6H34T32C5018	1.04
58	59.05	50	3450	M6H59T32TSC	M6H59T32TSC5036	1.15
60	29.03	50	1750	M6H29T32C	M6H29T32C5018	1.19
66	52.35	60	3450	M6H52T36TSC	M6H52T36TSC6036	1.08
69	50.26	60	3450	M6H50T36TSC	M6H50T36TSC6036	1.12
72	24.43	60	1750	M6H24T36C	M6H24T36C6018	1.16
77	44.61	60	3450	M6H45T36TSC	M6H45T36TSC6036	1.24
79	22.04	60	1750	M6H22T36C	M6H22T36C6018	1.27
88	39.37	75*	3450	M6H39T36TSC	M6H39T36TSC7536	1.11
92	18.95	75*	1750	M6H19T36C	M6H19T36C7518	1.15
103	33.51	75*	3450	M6H34T36TSC	M6H34T36TSC7536	1.26
119	29.03	75*	3450	M6H29T36TSC	M6H29T36TSC7536	1.41
123	14.24	75*	1750	M6H14T36C	M6H14T36C7518	1.15
141	24.43	75*	3450	M6H24T36TSC	M6H24T36TSC7536	1.60
157	22.04	75*	3450	M6H22T36TSC	M6H22T36TSC7536	1.72

\* Consult Dodge Engineering for thermal considerations of application

### Class 2, 1.4 service factor

#### MTA6307H Class 2

Output RPM	Ratio	Class 2 motor Hp	Motor speed	Part number	Std C-Face Gearmotor Part number	Severe duty C-Face Gearmotor Part number	Service factor
22	78.53	15	1750	M6H79T25C	M6H79T25C1518	M6H79T25C1518CP	1.57
26	66.92	15	1750	M6H67T25C	M6H67T25C1518	M6H67T25C1518CP	1.84
30	59.05	20	1750	M6H59T25C	M6H59T25C2018	M6H59T25C2018CP	1.57
33	52.35	20	1750	M6H52T25C	M6H52T25C2018	M6H52T25C2018CP	1.72
35	50.26	25	1750	M6H50T28C	M6H50T28C2518	M6H50T28C2518CP	1.45
39	44.61	25	1750	M6H45T28C	M6H45T28C2518	M6H45T28C2518CP	1.59
44	78.53	30	3450	M6H79T28TSC	M6H79T28TSC3036	M6H79T28TSC3036CP	1.49
44	39.37	30	1750	M6H39T28C	M6H39T28C3018	M6H39T28C3018CP	1.49
52	66.92	30	3450	M6H67T28TSC	M6H67T28TSC3036	M6H67T28TSC3036CP	1.74
52	33.51	30	1750	M6H34T28C	M6H34T28C3018	M6H34T28C3018CP	1.74
58	59.05	40	3450	M6H59T32TSC	M6H59T32TSC4036	M6H59T32TSC4036CP	1.44
60	29.03	40	1750	M6H29T32C	M6H29T32C4018	M6H29T32C4018CP	1.48
66	52.35	40	3450	M6H52T32TSC	M6H52T32TSC4036	M6H52T32TSC4036CP	1.62
69	50.26	40	3450	M6H50T32TSC	M6H50T32TSC4036	M6H50T32TSC4036CP	1.68
72	24.43	50	1750	M6H24T32C	M6H24T32C5018	M6H24T32C5018CP	1.40
77	44.61	50	3450	M6H45T32TSC	M6H45T32TSC5036	M6H45T32TSC5036CP	1.49
79	22.04	50	1750	M6H22T32C	M6H22T32C5018	M6H22T32C5018CP	1.52
88	39.37	50	3450	M6H39T32TSC	M6H39T32TSC5036	M6H39T32TSC5036CP	1.66
92	18.95	60	1750	M6H19T36C	M6H19T36C6018	M6H19T36C6018CP	1.43
103	33.51	60	3450	M6H34T36TSC	M6H34T36TSC6036	M6H34T36TSC6036CP	1.57
119	29.03	60	3450	M6H29T36TSC	M6H29T36TSC6036	M6H29T36TSC6036CP	1.75
123	14.24	60	1750	M6H14T36C	M6H14T36C6018	M6H14T36C6018CP	1.43
141	24.43	75*	3450	M6H24T36TSC	M6H24T36TSC7536	M6H24T36TSC7536CP	1.60
157	22.04	75*	3450	M6H22T36TSC	M6H22T36TSC7536	M6H22T36TSC7536CP	1.72

\*+ Severe duty gearmotor packages are designed for class 2 service and come with a CECP severe duty motor attached  
For reducer dimensions and accessories, see pages G1-42 through G1-67.

## MTA EZ Selection tables

### Class 1, 1.0 service factor

#### MTA7315H Class 1

Output RPM	Ratio	Class 1 motor Hp	Motor speed	Part number	C-Face Gearmotor Part number	Service factor
23	76.46	30	1750	M7H76T28C	M7H76T28C3018	1.22
26	66.57	40	1750	M7H67T32C	M7H67T32C4018	1.04
30	57.58	40	1750	M7H58T32C	M7H58T32C4018	1.18
34	50.97	50	1750	M7H51T32C	M7H51T32C5018	1.08
39	44.38	60	1750	M7H44T36C	M7H44T36C6018	1.02
45	76.46	60	3450	M7H76T36TSC	M7H76T36TSC6036	1.16
46	38.39	60	1750	M7H38T36C	M7H38T36C6018	1.15
52	66.57	75	3450	M7H67T36TSC	M7H67T36TSC7536	1.04
52	33.48	75	1750	M7H33T36C	M7H33T36C7518	1.04
60	57.58	75	3450	M7H58T36TSC	M7H58T36TSC7536	1.18
61	28.65	75	1750	M7H29T36C	M7H29T36C7518	1.20
68	50.97	75	3450	M7H51T36TSC	M7H51T36TSC7536	1.32
68	25.66	75	1750	M7H26T36C	M7H26T36C7518	1.32
78	44.38	100*	3450	M7H44T405TSC	-	1.12
80	21.74	100*	1750	M7H22T405C	M7H22T405C10018	1.15
90	38.39	100*	3450	M7H38T405TSC	-	1.28
93	18.77	100*	1750	M7H19T405C	M7H19T405C10018	1.29
103	33.48	100*	3450	M7H33T405TSC	-	1.42
120	28.65	100*	3450	M7H29T405TSC	-	1.62
124	14.11	100*	1750	M7H14T405C	M7H14T405C10018	1.29
134	25.66	100*	3450	M7H26T405TSC	-	1.77

\* Consult Dodge Engineering for thermal considerations of application

This reducer motor combination requires the largest optional fan available for the 100hp motor.

This is included in the gearmotor packages, but customers using other motors need to add this for extended thermal capacity

+ Severe duty gearmotor packages are designed for class 2 service and come with a CECP severe duty motor attached.

### Class 2, 1.4 service factor

#### MTA7315H Class 2

Output RPM	Ratio	Class 2 motor Hp	Motor speed	Part number	Std C-Face Gearmotor Part number	Severe duty C-Face Gearmotor Part number	Service factor
23	76.46	25	1750	M7H76T28C	M7H76T28C2518	M7H76T28C2518CP	1.47
26	66.57	25	1750	M7H67T28C	M7H67T28C2518	M7H67T28C2518CP	1.67
30	57.58	30	1750	M7H58T28C	M7H58T28C3018	M7H58T28C3018CP	1.58
34	50.97	30	1750	M7H51T28C	M7H51T28C3018	M7H51T28C3018CP	1.79
39	44.38	40	1750	M7H44T32C	M7H44T32C4018	M7H44T32C4018CP	1.52
45	76.46	40	3450	M7H76T32TSC	M7H76T32TSC4036	M7H76T32TSC4036CP	1.74
46	38.39	40	1750	M7H38T32C	M7H38T32C4018	M7H38T32C4018CP	1.73
52	66.57	50	3450	M7H67T32TSC	M7H67T32TSC5036	M7H67T32TSC5036CP	1.56
52	33.48	50	1750	M7H33T32C	M7H33T32C5018	M7H33T32C5018CP	1.56
60	57.58	60	3450	M7H58T36TSC	M7H58T36TSC6036	M7H58T36TSC6036CP	1.48
61	28.65	60	1750	M7H29T36C	M7H29T36C6018	M7H29T36C6018CP	1.50
68	50.97	60	3450	M7H51T36TSC	M7H51T36TSC6036	M7H51T36TSC6036CP	1.64
68	25.66	60	1750	M7H26T36C	M7H26T36C6018	M7H26T36C6018CP	1.65
78	44.38	75	3450	M7H44T36TSC	M7H44T36TSC7536	M7H44T36TSC7536CP	1.49
80	21.74	75	1750	M7H22T36C	M7H22T36C7518	M7H22T36C7518CP	1.53
90	38.39	75	3450	M7H38T36TSC	M7H38T36TSC7536	M7H38T36TSC7536CP	1.70
93	18.77	75	1750	M7H19T36C	M7H19T36C7518	M7H19T36C7518CP	1.73
103	33.48	75	3450	M7H33T36TSC	M7H33T36TSC7536	M7H33T36TSC7536CP	1.87
120	28.65	75	3450	M7H29T36TSC	M7H29T36TSC7536	M7H29T36TSC7536CP	2.16
124	14.11	75	1750	M7H14T36C	M7H14T36C7518	M7H14T36C7518CP	1.73
134	25.66	100*	3450	M7H26T405TSC	-	-	1.77

\* Consult Dodge Engineering for thermal considerations of application

This reducer motor combination requires the largest optional fan available for the 100hp motor.

This is included in the gearmotor packages, but customers using other motors need to add this for extended thermal capacity.

+ Severe duty gearmotor packages are designed for class 2 service and come with a CECP severe duty motor attached

## MTA EZ Selection tables

### Class 1, 1.0 service factor

#### MTA8407H Class 1

Output RPM	Ratio	Class 1 motor Hp	Motor speed	Part number	C-Face Gearmotor Part number	Service factor
22	78.80	50	1750	M8H79T32C	M8H79T32C5018	1.02
26	68.53	50	1750	M8H69T32C	M8H69T32C5018	1.16
29	60.13	60	1750	M8H60T36C	M8H60T36C6018	1.08
33	52.53	60	1750	M8H53T36C	M8H53T36C6018	1.24
34	50.85	75	1750	M8H51T36C	M8H51T36C7518	1.01
38	45.69	75	1750	M8H46T36C	M8H46T36C7518	1.12
44	40.09	75	1750	M8H40T36C	M8H40T36C7518	1.28
44	78.80	75	3450	M8H79T36TSC	M8H79T36TSC7536	1.26
50	68.53	100*	3450	M8H69T405TSC	–	1.08
52	33.90	100*	1750	M8H34T405C	M8H34T405C10018	1.10
57	30.76	100*	1750	M8H31T405C	M8H31T405C10018	1.20
57	60.13	100*	3450	M8H60T405TSC	–	1.21
65	26.82	100*	1750	M8H27T405C	M8H27T405C10018	1.36
66	52.53	100*	3450	M8H53T405TSC	–	1.36
68	50.85	100*	3450	M8H51T405TSC	–	1.41
76	45.69	100*	3450	M8H46T405TSC	–	1.55
77	22.77	100*	1750	M8H23T405C	M8H23T405C10018	1.56
86	40.09	100*	3450	M8H40T405TSC	–	1.74
100	17.43	100*	1750	M8H17T405C	M8H17T405C10018	2.02
102	33.90	100*	3450	M8H34T405TSC	–	2.04
112	30.76	100*	3450	M8H31T405TSC	–	2.21
126	13.93	100*	1750	M8H14T405C	M8H14T405C10018	2.02

\* Consult Dodge Engineering for thermal considerations of application

### Class 2, 1.4 Service Factor

#### MTA8407H Class 2

Output RPM	Ratio	Class 2 motor Hp	Motor speed	Part number	Std C-Face Gearmotor Part number	Severe duty C-Face Gearmotor Part number	Service factor
22	78.80	30	1750	M8H79T28C	M8H79T28C3018	M8H79T28C3018CP	1.69
26	68.53	40	1750	M8H69T32C	M8H69T32C4018	M8H69T32C4018CP	1.45
29	60.13	40	1750	M8H60T32C	M8H60T32C4018	M8H60T32C4018CP	1.62
33	52.53	50	1750	M8H53T32C	M8H53T32C5018	M8H53T32C5018CP	1.49
34	50.85	50	1750	M8H51T32C	M8H51T32C5018	M8H51T32C5018CP	1.52
38	45.69	60	1750	M8H46T36C	M8H46T36C6018	M8H46T36C6018CP	1.40
44	40.09	60	1750	M8H40T36C	M8H40T36C6018	M8H40T36C6018CP	1.60
44	78.80	60	3450	M8H79T36TSC	M8H79T36TSC6036	M8H79T36TSC6036CP	1.57
50	68.53	75	3450	M8H69T36TSC	M8H69T36TSC7536	M8H69T36TSC7536CP	1.45
52	33.90	75	1750	M8H34T36C	M8H34T36C7518	M8H34T36C7518CP	1.47
57	30.76	75	1750	M8H31T36C	M8H31T36C7518	M8H31T36C7518CP	1.60
57	60.13	75	3450	M8H60T36TSC	M8H60T36TSC7536	M8H60T36TSC7536CP	1.61
65	26.82	75	1750	M8H27T36C	M8H27T36C7518	M8H27T36C7518CP	1.81
66	52.53	75	3450	M8H53T36TSC	M8H53T36TSC7536	M8H53T36TSC7536CP	1.81
68	50.85	100*	3450	M8H51T405TSC	–	M8H51T405TSC10036P	1.41
76	45.69	100*	3450	M8H46T405TSC	–	M8H46T405TSC10036P	1.55
77	22.77	100	1750	M8H23T405C	M8H23T405C10018	M8H23T405C10018CP	1.56
86	40.09	100*	3450	M8H40T405TSC	–	M8H40T405TSC10036P	1.74
100	17.43	100*	1750	M8H17T405C	M8H17T405C10018	M8H17T405C10018CP	2.02
102	33.90	100*	3450	M8H34T405TSC	–	M8H34T405TSC10036P	2.04
112	30.76	100*	3450	M8H31T405TSC	–	M8H31T405TSC10036P	2.21
126	13.93	100*	1750	M8H14T405C	M8H14T405C10018	M8H14T405C10018CP	2.02

\* Consult Dodge Engineering for thermal considerations of application

This reducer motor combination requires the largest optional fan available for the 100hp motor.

This is included in the gearmotor packages, but customers using other motors need to add this for extended thermal capacity.

+ Severe duty gearmotor packages are designed for class 2 service and come with a CECP severe duty motor attached

# I Notes

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Torque-Arm II

Torque-Arm

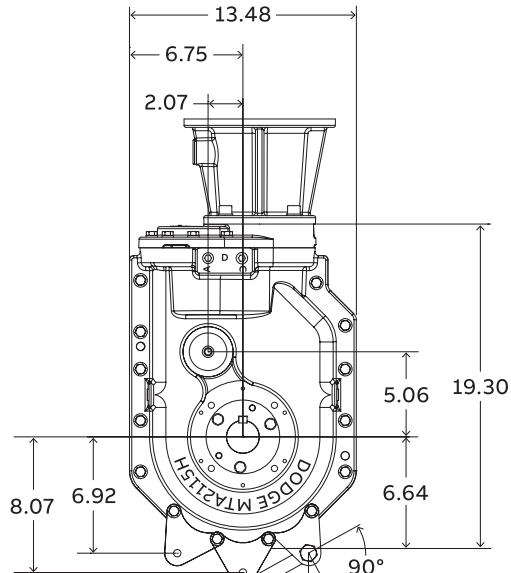
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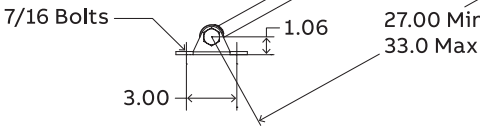
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# MTA2115 Shaft mounted reducer

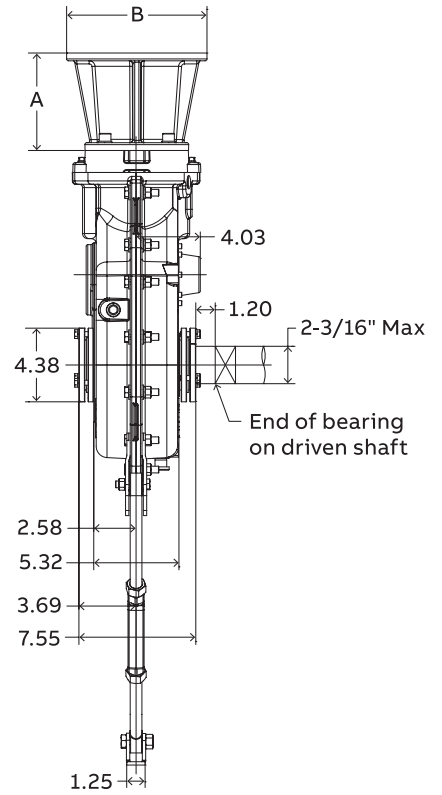
## Reducer



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

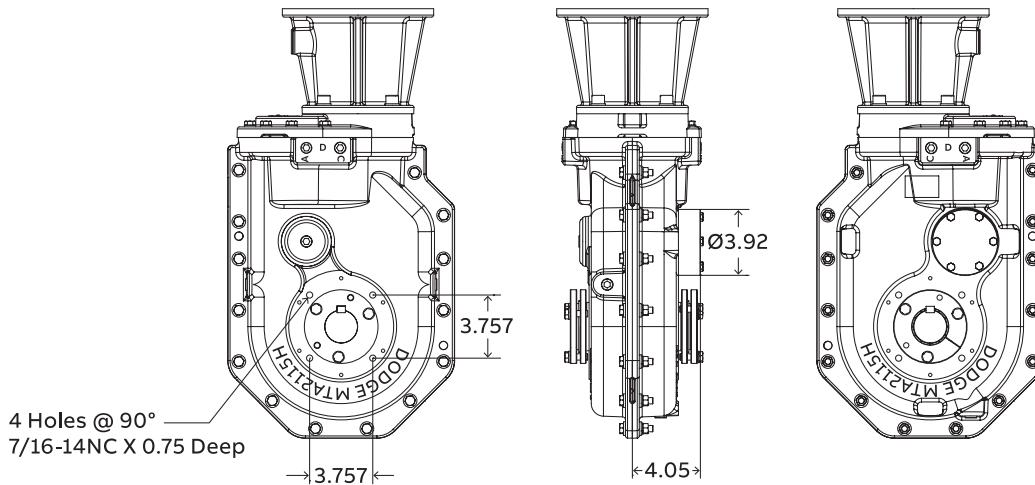


- A = 5.070" – 140 NEMA motor frame
- 6.030" – 180 NEMA motor frame
- 6.690" – 210 NEMA motor frame
- 7.310" – 250 NEMA motor frame
- B = 6.500" – 140 NEMA motor frame
- 9.000" – 180/210/250 NEMA motor frame



End of bearing on driven shaft

## Reducer with backstop





# MTA2115 Shaft mounted accessories

## MTA2115 C-Face reducer weights with adapter (lbs)

	Adapter size							
Reducer	180	210	250	280	280TSC	320	360	320TSC & 360TSC
Weight (lbs)	155	160	165	-	-	-	-	-

## MTA2115H Accessories

Description	Part number	Weight lbs.
TA2115RA Rod assembly	902109	6.9
TA3203BS Backstop assembly use for MTA2115	903102	4.7
V-ring seal kit	902249	0.1
TA0-TA3 Hydra-Lock dessicant breather kit	964372	0.2
MTA2-8 Vertical Position D breather kit	472300	3.0
Dodge ability sensor	750000	0.5

## Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers			
	Closed	Weight lbs.	Split	Weight lbs.
MTA2115H	902142	0.6	902143	0.5

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

### TA2115H Tapered bushing kits (5) (6)

Bushing size – Standard shaft (7) bushing kit	Part number	Weight lbs.	Shaft keyseat required (9) (10)
TA2115TB x 2-3/16	902020	4.7	1/2 x 1/4 x 7.80
TA2115TB x 2	902022	5.2	1/2 x 1/4 x 7.80
TA2115TB x 1-15/16 ▲	902023	5.4	1/2 x 1/4 x 7.80
TA2115TB x 1-7/8	902024	5.6	1/2 x 1/4 x 7.80
TA2115TB x 1-3/4	902025	5.8	3/8 x 3/16 x 7.80
TA2115TB x 1-11/16	902026	6.1	3/8 x 3/16 x 7.80
TA2115TB x 1-5/8 φ	902027	6.0	3/8 x 3/16 x 7.80
TA2115TB x 1-1/2 φ	902028	6.4	3/8 x 3/16 x 7.80
TA2115TB x 1-7/16 φ	902029	6.4	3/8 x 3/16 x 7.80
TA2115TB x 1-3/8 φ	902060	6.5	5/16 x 5/32 x 7.80
TA2115TB x 1-5/16 φ	902061	6.7	5/16 x 5/32 x 7.80

### TA2115H Short shaft tapered bushing kits

Bushing Size – Short shaft bushing kit	Part number (8)	Weight lbs.	Shaft keyseat required (9)(10)
-	-	-	-
-	-	-	-
TA2115TBS x 1-15/16	902030	5.6	1/2 x 1/4 x 4.80
TA2115TBS x 1-7/8	902031	5.9	1/2 x 1/4 x 4.80
TA2115TBS x 1-3/4	902032	6	3/8 x 3/16 x 4.80
TA2115TBS x 1-11/16	902033	6.6	3/8 x 3/16 x 4.80
TA2115TBS x 1-5/8	902034	6.8	3/8 x 3/16 x 4.80
TA2115TBS x 1-1/2	902035	7.3	3/8 x 3/16 x 4.80
TA2115TBS x 1-7/16	902036	7.4	3/8 x 3/16 x 4.80
TA2115TBS x 1-3/8	902037	7.6	5/16 x 5/32 x 4.80
TA2115TBS x 1-5/16	902038	7.8	5/16 x 5/32 x 4.80

- ▲ AGMA maximum bore size
- φ Check driven shaft strength against torque requirements and assembly weight
- (5) Bushing kit required to mount TA II reducer to driven shaft
- (6) Bushing kit is not required to mount TA II reducer on screw conveyor drive shaft in a screw conveyor application
- (7) Standard shaft bushing kit includes two standard bushings with back-up plates and snap rings; hardware, and key
- (8) 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.
- (9) Minimum keyseat and shaft length required to mount reducer with bushing kit
- (10) Always check the driven shaft and key for strength

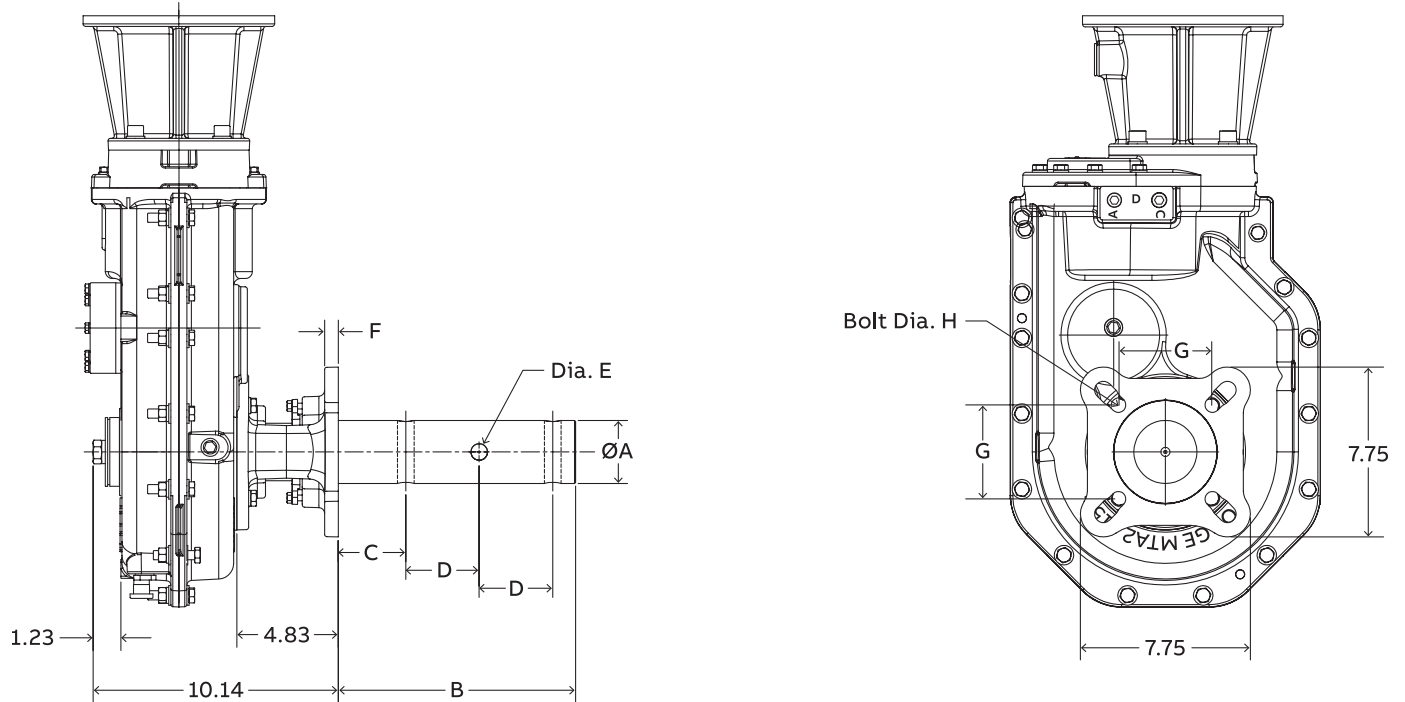
## MTA2115 Screw conveyor reducer

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Torque-Arm



### MTA2115H Screw conveyor drive dimensions

Screw Dia	Drive shaft Dia A							Dimensions	
		B	C	D	Hole dia E	F	G	Bolt dia H	
6, 9	1-1/2	9.00	2.13	3.00	17/32	0.75	4.00	1/2-13	
9, 12	2	9.00	2.13	3.00	21/32	0.75	5.13	5/8	
12, 14	2-7/16	9.69	2.75	3.00	21/32	0.75	5.63	5/8	
12, 14, 16,	3	9.88	2.88	3.00	25/32	0.75	6.00	3/4	
18, 20	-	-	-	-	-	-	-	-	

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## MTA2115 Screw conveyor accessories

### Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers	
	Closed	Weight lbs.
MTA2115H	902142	0.6

MTA is drilled and tapped to accept the ABS bushing cover bolts.  
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 lbs.
TA2115SCA Adapter and hardware kit (2)	902070	19.2
TA2115SCP Adjustable packing kit (3)	902071	1.2
TA2115SCS x 1-1/2 Drive shaft	902072	15.4
TA2115SCS x 2 Drive shaft	902073	18.6
TA2115SCS x 2-7/16 Drive shaft	902074	23.3
TA2115SCS x 3 Drive shaft	902075	29.5
TA2115SCS x 1-1/2 Stainless steel drive shaft	902080	15.4
TA2115SCS x 2 Stainless steel drive shaft	902081	18.6
TA2115SCS x 2-7/16 Stainless steel drive shaft	902082	23.3
TA2115SCS x 3 Stainless steel drive shaft	902083	29.5
Dodge ability sensor	750000	0.5

- (2) SCA adapter and 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 and hardware kit  
 (5) A complete TA II Screw conveyor drive includes a TA II reducer, SCA Adapter and hardware kit and screw conveyor drive shaft.  
 The SCP adjustable packing kit is an optional accessory.

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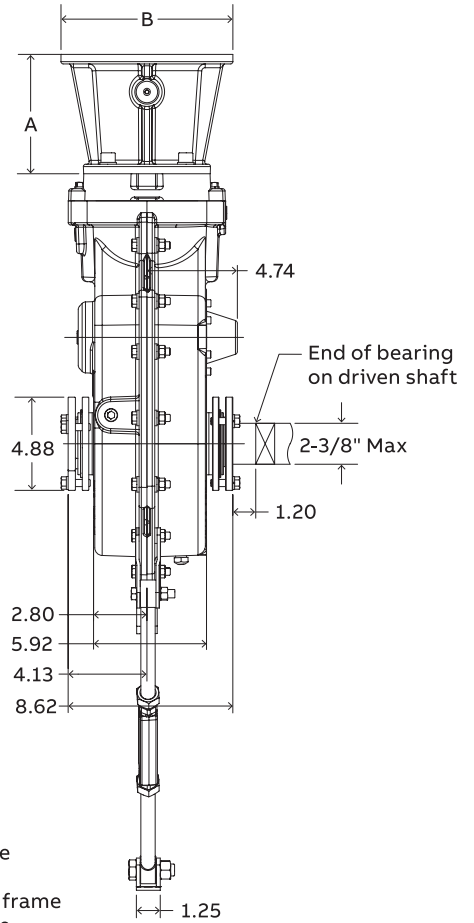
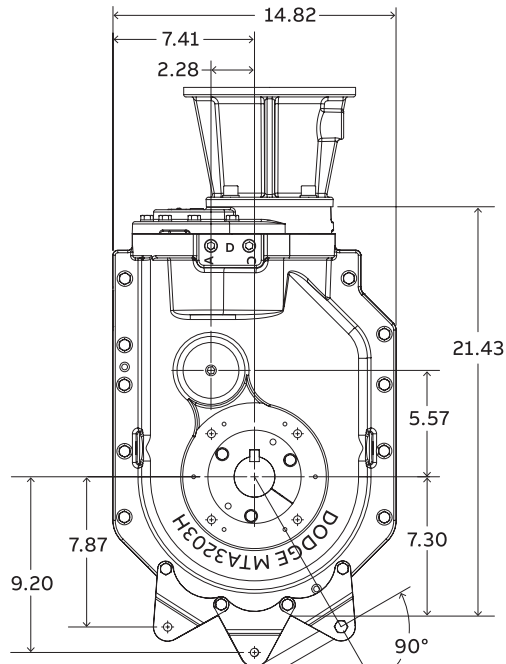
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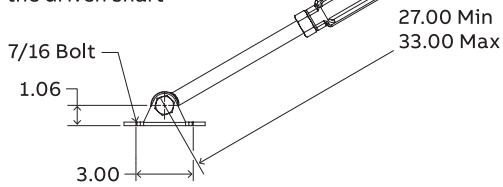
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# MTA3203 Shaft mounted reducer

## Reducer



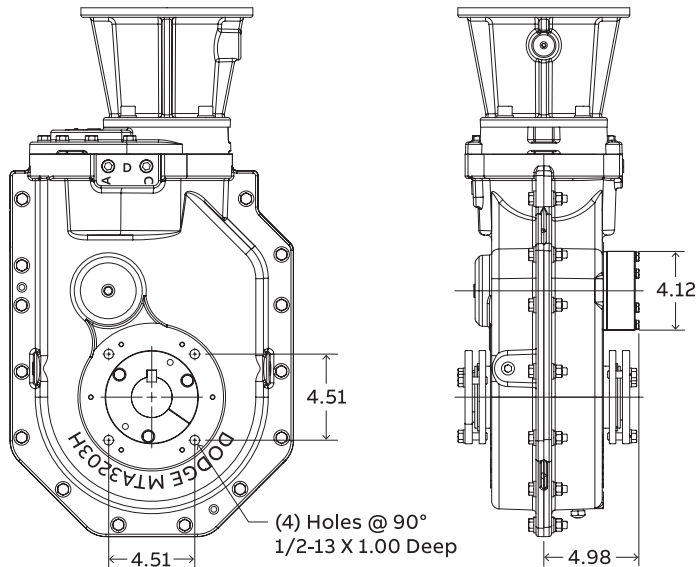
Tie rod should be mounted at a 90° angle in relation to the center of the driven shaft



- A = 6.030" - 180 NEMA motor frame
- 6.690" - 210 NEMA motor frame
- 7.310" - 250 NEMA motor frame
- 6.425" - 280TSC NEMA motor frame

- B = 9.000" - 180/210/250 NEMA motor frame
- 11.00" - 280TSC NEMA motor frame

## Reducer with backstop



# MTA3203 Shaft mounted accessories

## MTA3203 C-Face reducer weights with adapter (lbs)

	Adapter size									
	180	210	250	280	280TSC	320	360	32/36TSC	405	405TSC
Reducer	180	210	250	280	280TSC	320	360	32/36TSC	405	405TSC
Weight (lbs)	210	215	220	-	245	-	-	-	-	-

## MTA3203H Accessories

Description	Part number	Weight lbs.
TA3203RA Rod assembly	903109	6.9
TA4207BS Backstop assembly use for MTA3203	904102	5.2
V-ring seal kit	903249	0.2
TA0-TA3 Hydra-Lock dessicant breather kit	964372	0.2
MTA2-8 Vertical Position D breather kit	472300	3.0
Dodge ability sensor	750000	0.5

## Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers			
	Closed	Weight lbs.	Split	Weight lbs.
MTA3203H	903142	.6	903143	.5

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

## MTA3203H Tapered bushing kits (5) (6)

Bushing size standard shaft bushing kit	Part number (7)	Weight lbs.	Shaft keyseat required (9) (10)
TA3203TB x 2-3/8	903020	6.1	5/8 x 5/16 x 8.55
TA3203TB x 2-1/4	903021	6.2	1/2 x 1/4 x 8.55
TA3203TB x 2-3/16 ▲	903022	6.8	1/2 x 1/4 x 8.55
TA3203TB x 2-1/8	903023	7.0	1/2 x 1/4 x 8.55
TA3203TB x 2	903024	7.5	1/2 x 1/4 x 8.55
TA3203TB x 1-15/16	903025	7.8	1/2 x 1/4 x 8.55
TA3203TB x 1-7/8 φ	903026	8.0	1/2 x 1/4 x 8.55
TA3203TB x 1-3/4 φ	903027	8.0	3/8 x 3/16 x 8.55
TA3203TB x 1-11/16 φ	903028	8.2	3/8 x 3/16 x 8.55
TA3203TB x 1-5/8 φ	903029	8.4	3/8 x 3/16 x 8.55
TA3203TB x 1-1/2 φ	903060	8.8	3/8 x 3/16 x 8.55
TA3203TB x 1-7/16 φ	903061	8.8	3/8 x 3/16 x 8.55

## MTA3203H Short shaft tapered bushing kits

Bushing size short shaft bushing kit	Part number (8)	Weight lbs.	Shaft keyseat required (9)(10)
-	-	-	-
-	-	-	-
TA3203TBS x 2-3/16	903030	7.0	1/2 x 1/4 x 5.46
TA3203TBS x 2-1/8	903031	7.4	1/2 x 1/4 x 5.46
TA3203TBS x 2	903032	8.0	1/2 x 1/4 x 5.46
TA3203TBS x 1-15/16	903033	8.4	1/2 x 1/4 x 5.46
TA3203TBS x 1-7/8	903034	8.7	1/2 x 1/4 x 5.46
TA3203TBS x 1-3/4	903035	9.0	3/8 x 3/16 x 5.46
TA3203TBS x 1-11/16	903036	9.3	3/8 x 3/16 x 5.46
TA3023TBS x 1-5/8	903037	9.6	3/8 x 3/16 x 5.46
TA3203TBS x 1-1/2	903038	9.9	3/8 x 3/16 x 5.46
TA3203TBS x 1-7/16	903039	10.0	3/8 x 3/16 x 5.46

▲ AGMA maximum bore size

φ Check driven shaft strength against torque requirements and assembly weight

(5) Bushing kit required to mount TA II reducer to driven shaft

(6) Bushing kit is not required to mount TA II reducer on screw conveyor drive shaft in a screw conveyor application

(7) Standard shaft bushing kit includes two standard bushings with back-up plates and snap rings; hardware, and key

(8) 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.

(9) Minimum keyseat and shaft length required to mount reducer with bushing kit

(10) Always check the driven shaft and key for strength

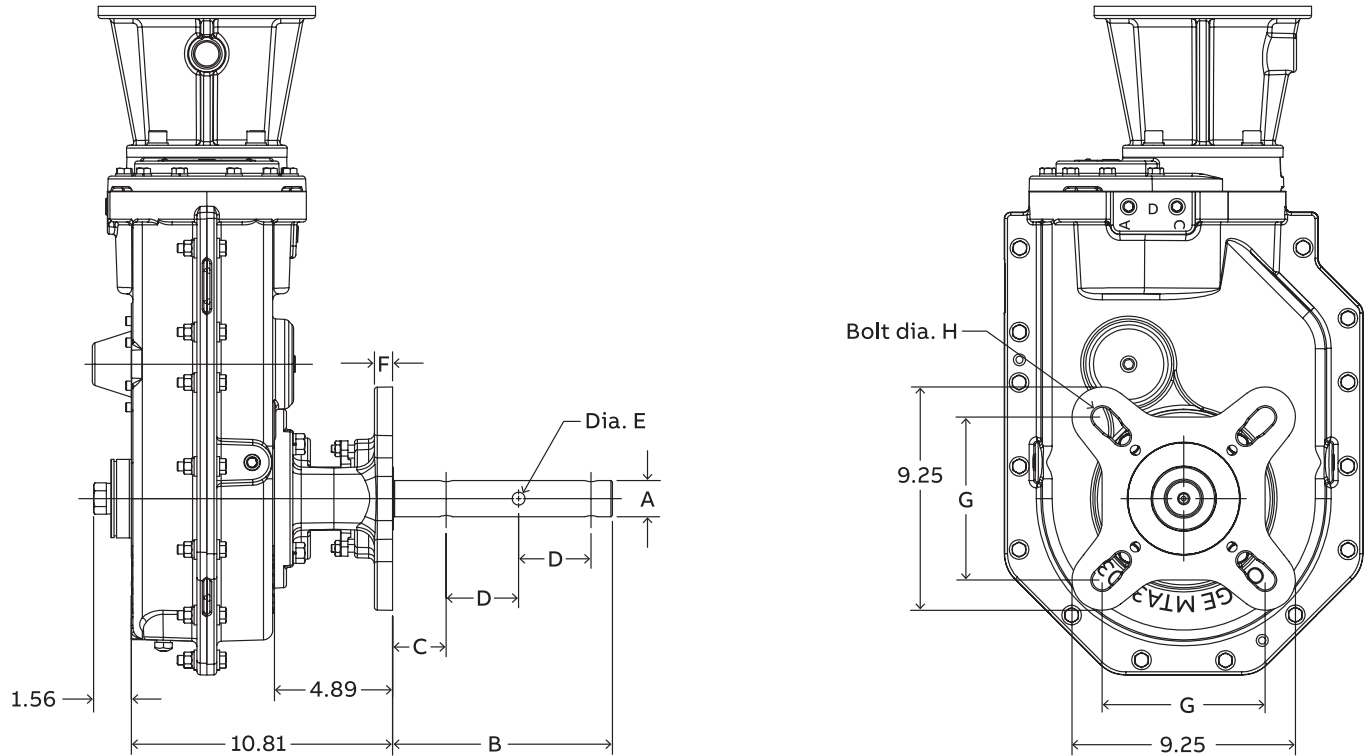
## MTA3203 Screw conveyor reducer

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## MTA3203H Screw conveyor drive dimensions

Screw Dia	Drive shaft Dia A	B	C	D	Hole dia E	F	Dimensions	
							G	Bolt dia H
6, 9	1-1/2	9.00	2.13	3.00	17/32	0.75	4.00	1/2-13
9, 12	2	9.00	2.13	3.00	21/32	0.75	5.13	5/8
12, 14	2-7/16	9.69	2.75	3.00	21/32	0.75	5.63	5/8
12, 14, 16, 18, 20	3	9.88	2.88	3.00	25/32	0.75	6.00	3/4
18, 20, 24	3-7/16	13.13	3.88	4.00	29/32	0.75	6.75	3/4

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## MTA3203 Screw conveyor accessories

### Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers	
	Closed	Weight lbs.
MTA3203H	903142	.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.

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

Description	Part number	Weight lbs.
TA3203SCA Adapter and hardware kit (2)	903070	22.0
TA3203SCP Adjustable packing kit (3)	903071	1.4
TA3203SCS x 1-1/2 Drive shaft	903072	19.3
TA3203SCS x 2 Drive shaft	903073	22.6
TA3203SCS x 2-7/16 Drive shaft	903074	27.2
TA3203SCS x 3 Drive shaft	903075	33.6
TA3203SCS x 3-7/16 Drive shaft	903076	44.8
TA3203SCS x 1-1/2 Stainless steel drive shaft	903080	19.3
TA3203SCS x 2 Stainless steel drive shaft	903081	22.6
TA3203SCS x 2-7/16 Stainless steel drive shaft	903082	27.2
TA3203SCS x 3 Stainless steel drive shaft	903083	33.6
TA3203SCS x 3-7/16 Stainless steel drive shaft	903084	44.8
Dodge ability sensor	750000	0.5

(2) SCA Adapter and 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 and hardware kit

(5) A complete TA II screw conveyor drive includes a TA II reducer, SCA adapter and hardware kit and screw conveyor drive shaft. The SCP adjustable packing kit is an optional accessory.

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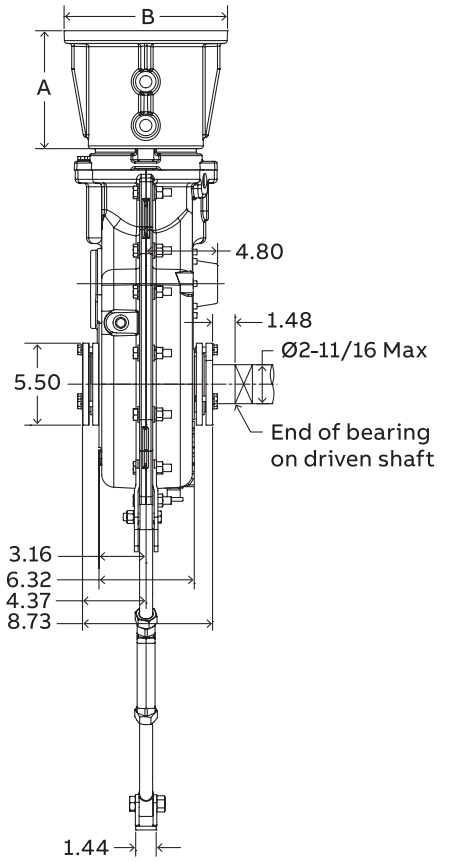
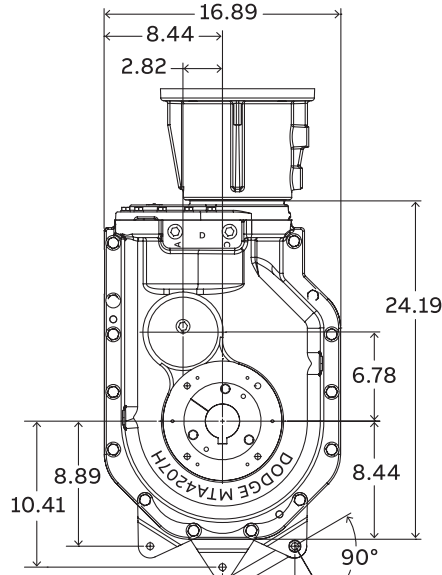
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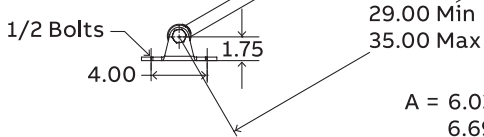
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# MTA4207 Shaft mounted reducer

## Reducer



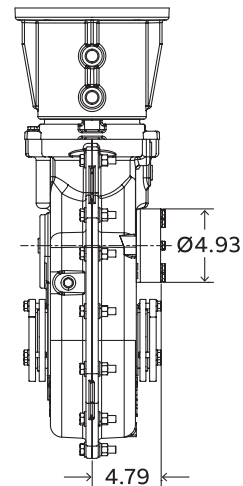
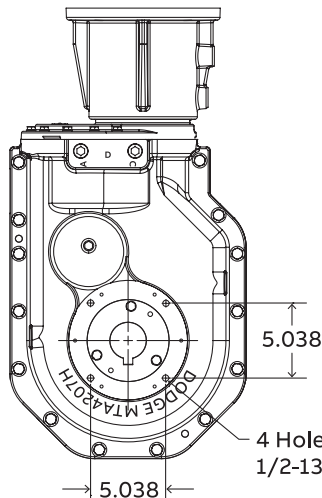
Tie rod should be mounted at a 90° angle in relation to the center of the driven shaft



- A = 6.030" - 180 NEMA motor frame
- 6.690" - 210 NEMA motor frame
- 7.310" - 250 NEMA motor frame
- 7.800" - 280 NEMA motor frame
- 6.425" - 280TSC NEMA motor frame
- 6.980" - 320TSC/360TSC NEMA motor frame

- B = 9.00" - 180/210/250 NEMA motor frame
- 11.00" - 280/280TSC NEMA motor frame
- 13.00" - 320TSC/360TSC NEMA motor frame

## Reducer with backstop





# MTA4207 Shaft mounted accessories

## MTA4207 C-Face reducer weights with adapter (lbs)

							Adapter size	
Reducer	180	210	250	280	280TSC	320	360	320TSC & 360TSC
Weight (lbs)	270	275	280	300	300	-	-	320

## MTA4207H Accessories

Description	Part number	Weight lbs.
TA4207RA Rod assembly	904109	10.6
TA5215BS Backstop assembly use for MTA4207	905102	8.3
V-ring seal kit	904249	0.2
TA4-TA9 Hydra-Lock dessicant breather kit	964364	0.8
MTA2-8 Vertical Position D breather kit	472300	3.0
Dodge ability sensor	750000	0.5

## Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers			
	Closed	Weight lbs.	Split	Weight lbs.
MTA4207H	904142	1.2	904143	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.

## TA4207H Tapered bushing kits (5) (6)

Bushing size standard shaft bushing kit	Part number (7)	Weight lbs.	Shaft keyseat required (9) (10)
TA4207TB x 2-11/16	904020	9.4	5/8 x 5/16 x 8.93
TA4207TB x 2-1/2	904021	10.6	5/8 x 5/16 x 8.93
TA4207TB x 2-7/16 ▲	904022	10.8	5/8 x 5/16 x 8.93
TA4207TB x 2-3/8	904023	11.3	5/8 x 5/16 x 8.93
TA4207TB x 2-1/4 φ	904024	11.5	1/2 x 1/4 x 8.93
TA4207TB x 2-3/16 φ	904025	11.8	1/2 x 1/4 x 8.93
TA4207TB x 2-1/8 φ	904026	12.2	1/2 x 1/4 x 8.93
TA4207TB x 2 φ	904027	12.6	1/2 x 1/4 x 8.93
TA4207TB x 1-15/16 φ	904028	13.0	1/2 x 1/4 x 8.93
TA4207TB x 1-7/8 φ	904029	13.2	1/2 x 1/4 x 8.93
TA4207TB x 1-3/4 φ	904030	13.3	3/8 x 3/16 x 8.93
TA4207TB x 1-11/16 φ	904031	13.5	3/8 x 3/16 x 8.93

## TA4207H Tapered short shaft bushing kits (5) (6)

Bushing size short shaft bushing kit (8)	Part number	Weight lbs.	Shaft keyseat required (9)(10)
-	-	-	-
-	-	-	-
TA4207TBS x 2-7/16	904032	11.3	5/8 x 5/16 x 5.65
TA4207TBS x 2-3/8	904033	11.8	5/8 x 5/16 x 5.65
TA4207TBS x 2-1/4	904034	12.4	1/2 x 1/4 x 5.65
TA4207TBS x 2-3/16	904035	10.8	1/2 x 1/4 x 5.65
TA4207TBS x 2-1/8	904036	13.3	1/2 x 1/4 x 5.65
TA4207TBS x 2	904037	13.9	1/2 x 1/4 x 5.65
TA4207TBS x 1-15/16	904038	14.3	1/2 x 1/4 x 5.65
TA4207TBS x 1-7/8	904039	14.6	1/2 x 1/4 x 5.65
TA4207TBS x 1-3/4	904040	15.0	3/8 x 3/16 x 5.65
TA4207TBS x 1-11/16	904041	15.3	3/8 x 3/16 x 5.65

- ▲ AGMA maximum bore size
- φ Check driven shaft strength against torque requirements and assembly weight
- (5) Bushing kit required to mount TA II reducer to driven shaft
- (6) Bushing kit is not required to mount TA II reducer on screw conveyor drive shaft in a screw conveyor application
- (7) Standard shaft bushing kit includes two standard bushings with back-up plates and snap rings; hardware, and key
- (8) 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.
- (9) Minimum keyseat and shaft length required to mount reducer with bushing kit.
- (10) Always check the driven shaft and key for strength.

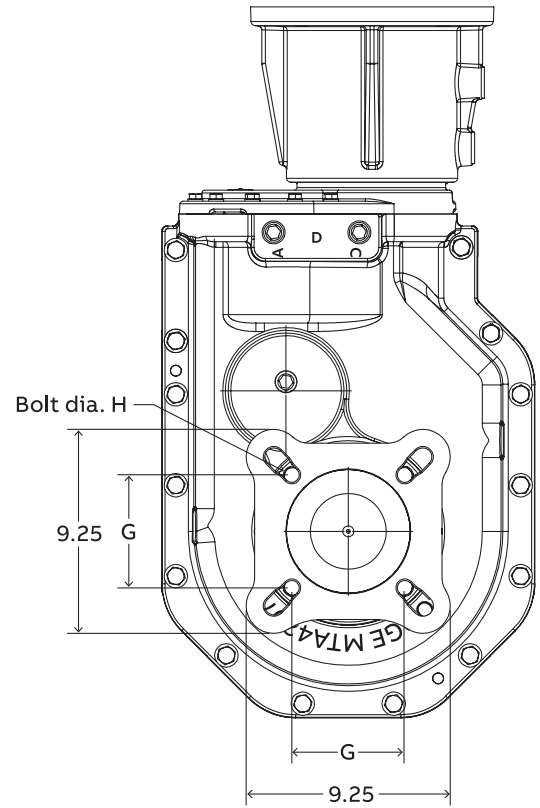
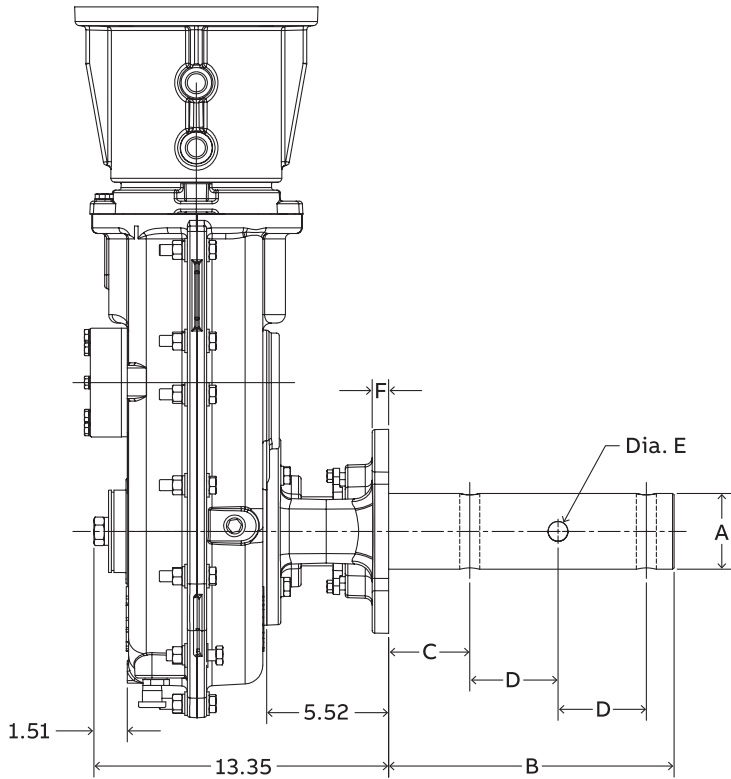
# MTA4207 Screw conveyor reducer

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## MTA4207H Screw conveyor drive dimensions

Screw Dia	Drive shaft Dia A	Dimensions						
		B	C	D	Hole dia E	F	G	Bolt dia H
9, 12	2	9.00	2.13	3.00	21/32	0.75	5.13	5/8
12, 14	2-7/16	9.69	2.75	3.00	21/32	0.75	5.63	5/8
12, 14, 16, 18, 20	3	9.88	2.88	3.00	25/32	0.75	6.00	3/4
18, 20, 24	3-7/16	13.13	3.88	4.00	29/32	0.75	6.75	3/4

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## MTA4207 Screw conveyor accessories

### Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers	
	Closed	Weight lbs.
MTA4207H	904142	1.2

MTA is drilled and tapped to accept the ABS bushing cover bolts.  
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 lbs.
TA4207SCA Adapter and hardware kit (2)	904070	33.6
TA4207SCP Adjustable packing kit (3)	904071	2.1
TA4207SCS x 2 Drive shaft	904073	29.8
TA4207SCS x 2-7/16 Drive shaft	904074	34.5
TA4207SCS x 3 Drive shaft	904075	40.9
TA4207SCS x 3-7/16 Drive shaft	904076	54.7
TA4207SCS x 2 Stainless steel drive shaft	904081	29.8
TA4207SCS x 2-7/16 Stainless steel drive shaft	904082	34.5
TA4207SCS x 3 Stainless steel drive shaft	904083	40.9
TA4207SCS x 3-7/16 Stainless steel drive shaft	904084	54.7
Dodge ability sensor	750000	0.5

(2) SCA Adapter and 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 and hardware kit

(5) A complete TA II screw conveyor drive includes a TA II reducer, SCA adapter and hardware kit and screw conveyor drive shaft.  
The SCP adjustable packing kit is an optional accessory.

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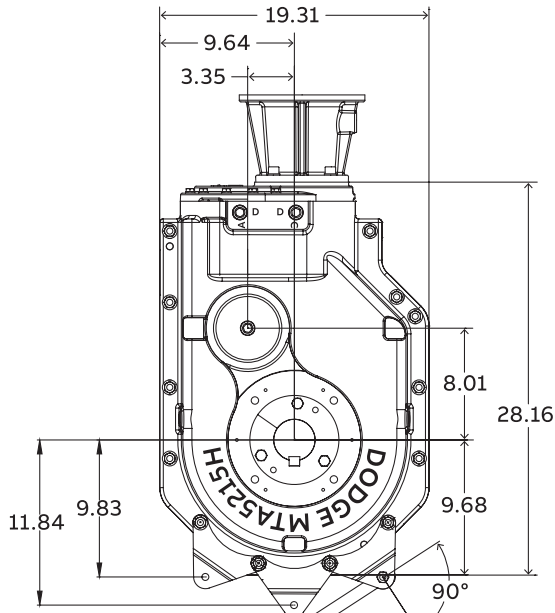
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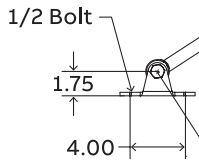
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# MTA5215 Shaft mounted reducer

## Reducer



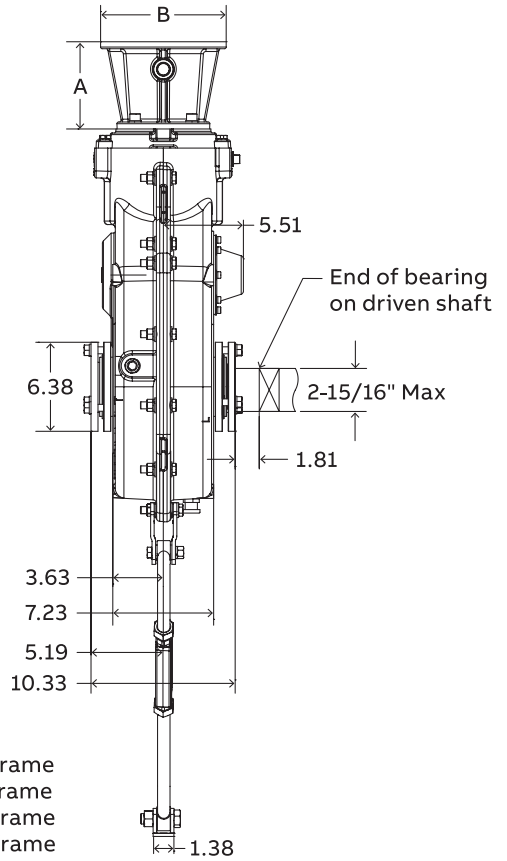
Tie rod should be mounted at a 90° angle in relation to the center of the driven shaft



29.00 Min  
35.00 Max

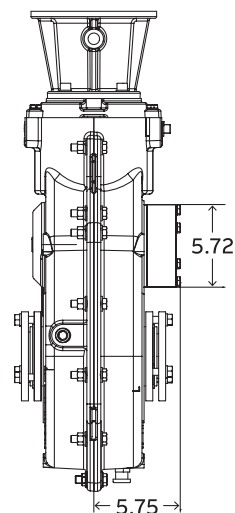
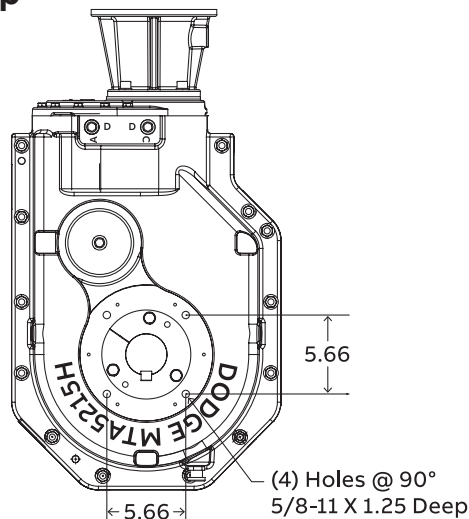
- A = 6.030" - 180 NEMA motor frame
- 6.690" - 210 NEMA motor frame
- 7.310" - 250 NEMA motor frame
- 7.800" - 280 NEMA motor frame
- 6.425" - 280TSC NEMA motor frame
- 8.480" - 320 NEMA motor frame
- 9.160" - 360 NEMA motor frame
- 6.980" - 320TSC/360TSC NEMA motor frame

- B = 9.00" - 180/210/250 NEMA motor frame
- 11.00" - 280/280TSC NEMA motor frame
- 13.00" - 320/360/320TSC/360TSC NEMA motor frame



End of bearing on driven shaft

## Reducer with backstop



# MTA5215 Shaft mounted accessories

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## MTA5215 C-Face reducer weights with adapter (lbs)

Reducer	Adapter size									
	180	210	250	280	280TSC	320	360	32/36TSC	405	405TSC
Weight (lbs)	370	375	380	405	405	425	-	425	-	-

## MTA5215H Accessories

Description	Part number	Weight lbs.
TA5215RA Rod assembly	905109	11.0
TA6307BS Backstop assembly use for MTA5215	906102	11.1
TA4-TA9 Hydra-Lock dessicant breather kit	964364	0.8
MTA2-8 Vertical Position D breather kit	472300	3.0
Dodge ability sensor	750000	0.5

## Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers			
	Closed	Weight lbs.	Split	Weight lbs.
MTA5215H & MTA6307H	905142	1.5	905143	1.0

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

## MTA5215H Tapered bushing kits (5) (6)

Bushing sSize standard shaft bushing kit	Part number (7)	Weight lbs.	Shaft keyseat required (9) (10)
TA5215TB x 3-3/16	905020	13.7	3/4 x 3/8 x 10.34
TA5215TB x 3	905021	15.1	3/4 x 3/8 x 10.34
TA5215TB x 2-15/16 ▲	905022	15.6	3/4 x 3/8 x 10.34
TA5215TB x 2-7/8	905023	16.1	3/4 x 3/8 x 10.34
TA5215TB x 2-11/16	905024	16.7	5/8 x 5/16 x 10.34
TA5215TB x 2-1/2	905025	17.9	5/8 x 5/16 x 10.34
TA5215TB x 2-7/16 φ	905026	18.1	5/8 x 5/16 x 10.34
TA5215TB x 2-3/8 φ	905027	18.3	5/8 x 5/16 x 10.34
TA5215TB x 2-1/4 φ	905028	18.9	1/2 x 1/4 x 10.34
TA5215TB x 2-3/16 φ	905029	19.1	1/2 x 1/4 x 10.34
TA5215TB x 2-1/8 φ	905030	19.3	1/2 x 1/4 x 10.34
TA5215TB x 2 φ	905031	19.9	1/2 x 1/4 x 10.34
TA5215TB x 1-15/16 φ	905032	20.1	1/2 x 1/4 x 10.34

## MTA5215H Short shaft tapered bushing kits

Bushing size short shaft bushing kit (8)	Part number	Weight lbs.	Shaft keyseat required (9)(10)
-	-	-	-
-	-	-	-
TA5215TBS x 2-15/16	905033	16.2	3/4 x 3/8 x 6.36
TA5215TBS x 2-7/8	905034	16.9	3/4 x 3/8 x 6.36
TA5215TBS x 2-11/16	905035	18.1	5/8 x 5/16 x 6.36
TA5215TBS x 2-1/2	905036	19.7	5/8 x 5/16 x 6.36
TA5215TBS x 2-7/16	905037	20.1	5/8 x 5/16 x 6.36
TA5215TBS x 2-3/8	905038	20.5	5/8 x 5/16 x 6.36
TA5215TBS x 2-1/4	905039	21.4	1/2 x 1/4 x 6.36
TA5215TBS x 2-3/16	905040	21.8	1/2 x 1/4 x 6.36
TA5215TBS x 2-1/8	905041	22.2	1/2 x 1/4 x 6.36
TA5215TBS x 2	905042	23.0	1/2 x 1/4 x 6.36
TA5215TBS x 1-15/16	905043	23.4	1/2 x 1/4 x 6.36

- ▲ AGMA maximum bore size
- φ Check driven shaft strength against torque requirements and assembly weight
- (5) Bushing kit required to mount TA II reducer to driven shaft
- (6) Bushing kit is not required to mount TA II reducer on screw conveyor drive shaft in a screw conveyor application
- (7) Standard shaft bushing kit includes two standard bushings with back-up plates and snap rings; hardware, and key
- (8) 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.
- (9) Minimum keyseat and shaft length required to mount reducer with bushing kit
- (10) Always check the driven shaft and key for strength

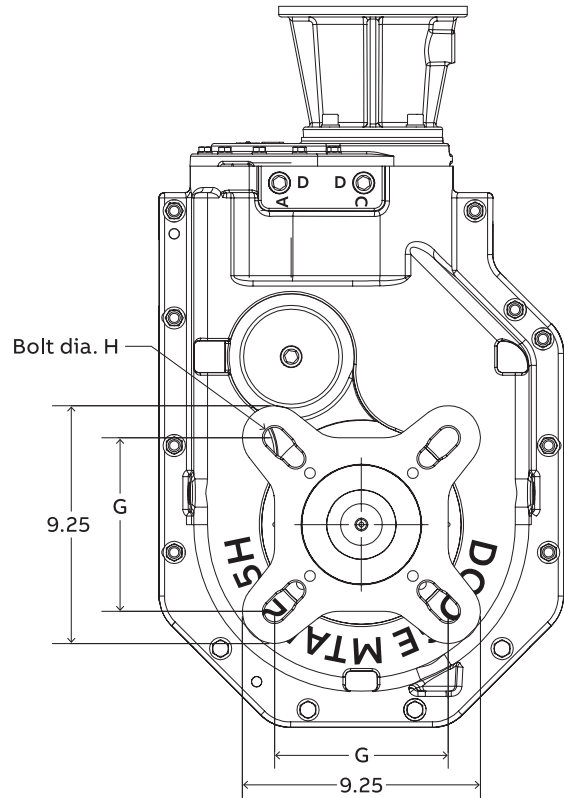
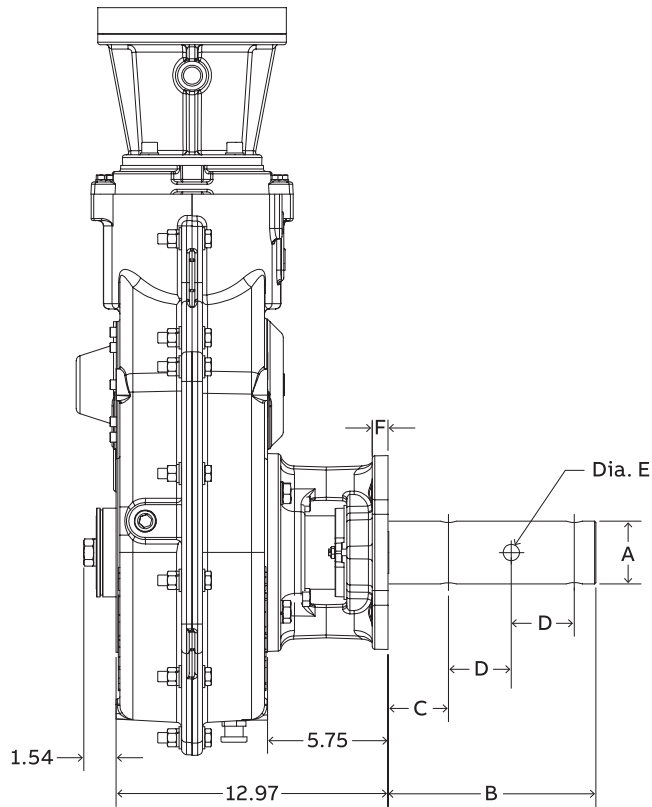
## MTA5215 Screw conveyor reducer

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## MTA5215H Screw conveyor drive dimensions

Screw dia	Drive shaft							Dimensions	
	Dia A	B	C	D	Hole dia E	F	G	Bolt dia H	
9, 12	2	9.00	2.13	3.00	21/32	0.75	5.13	5/8	
12, 14	2-7/16	9.69	2.75	3.00	21/32	0.75	5.63	5/8	
12, 14, 16, 18, 20	3	9.88	2.88	3.00	25/32	0.75	6.00	3/4	
18, 20, 24	3-7/16	13.13	3.88	4.00	29/32	0.75	6.75	3/4	

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## MTA5215 Screw conveyor accessories

### Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers	
	Closed	Weight
MTA5215H & MTA6307H	905142	1.5

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

### MTA5215H Accessories for screw conveyor drives (4) (5)

Description	Part number	Weight lbs.
TA5215SCA Adapter and hardware kit (2)	905070	38.4
TA5215SCP Adjustable packing kit (3)	905071	2.1
TA5215SCS x 2 Drive shaft	905073	39.0
TA5215SCS x 2-7/16 Drive shaft	905074	43.6
TA5215SCS x 3 Drive shaft	905075	50.0
TA5215SCS x 3-7/16 Drive shaft	905076	63.9
TA5215SCS x 2 Stainless steel drive shaft	905081	39.0
TA5215SCS x 2-7/16 Stainless steel drive shaft	905082	43.6
TA5215SCS x 3 Stainless steel drive shaft	905083	50.0
TA5215SCS x 3 -7/16 Stainless steel drive shaft	905084	63.9
Dodge ability sensor	750000	0.5

(2) SCA Adapter and 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 and hardware kit

(5) A complete TA II screw conveyor drive includes a TA II reducer, SCA adapter and hardware kit and screw conveyor drive shaft.  
The SCP adjustable packing kit is an optional accessory.

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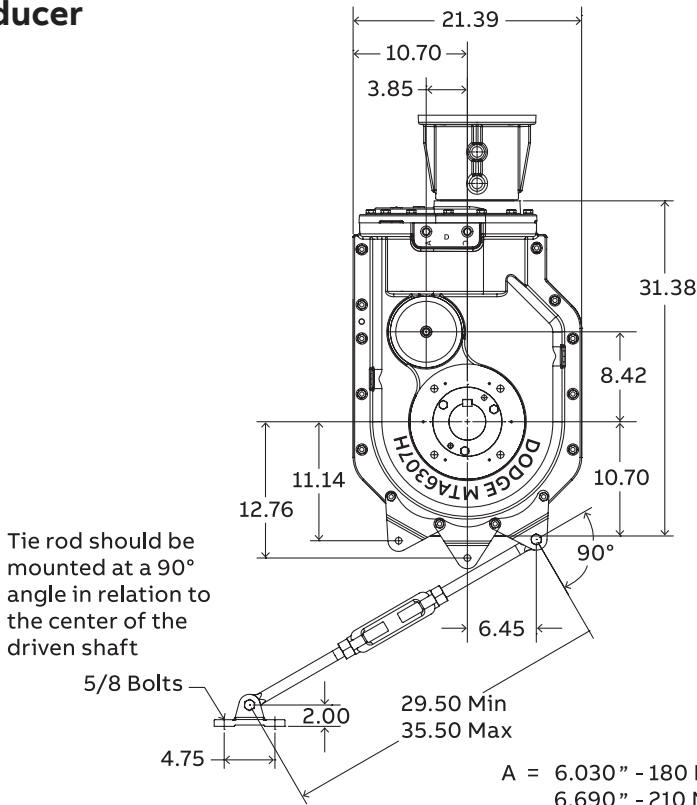
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# MTA6307 Shaft mounted reducer

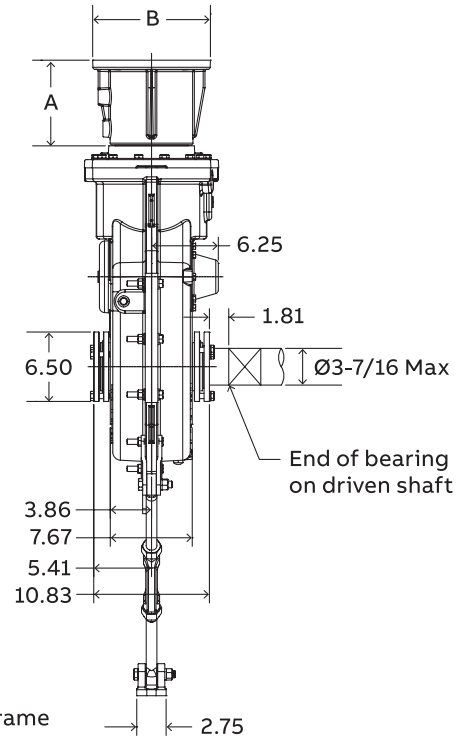
## Reducer



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

5/8 Bolts  
4.75  
2.00

29.50 Min  
35.50 Max

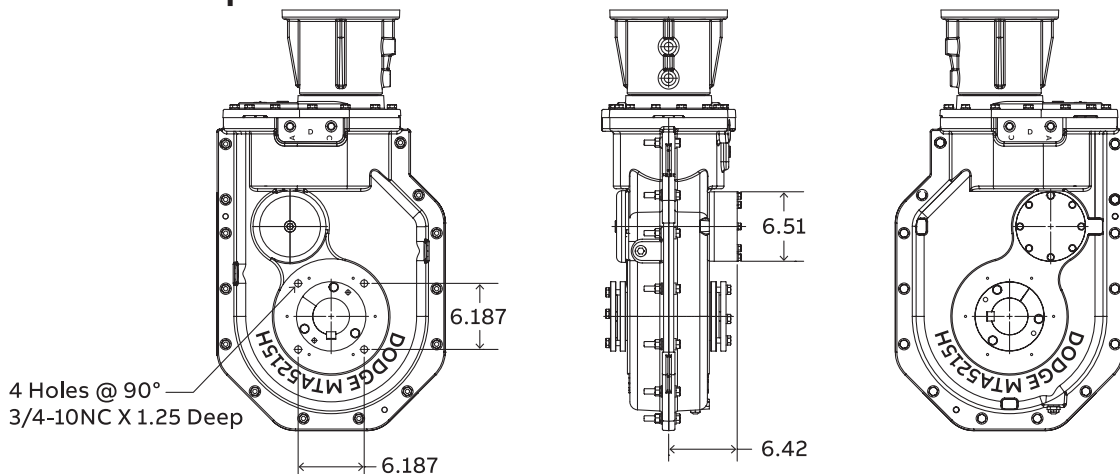


End of bearing on driven shaft

- A = 6.030" - 180 NEMA motor frame
- 6.690" - 210 NEMA motor frame
- 7.310" - 250 NEMA motor frame
- 7.800" - 280 NEMA motor frame
- 6.425" - 280TSC NEMA motor frame
- 8.480" - 320 NEMA motor frame
- 9.160" - 360 NEMA motor frame
- 6.980" - 320TSC/360TSC NEMA motor frame

- B = 9.00" - 180/210/250 NEMA motor frame
- 11.00" - 280/280TSC NEMA motor frame
- 13.00" - 320/360 & 320TSC/360TSC NEMA motor frame

## Reducer with backstop



4 Holes @ 90°  
3/4-10NC X 1.25 Deep



# MTA6307 Shaft mounted accessories

## MTA6307 C-Face reducer weights with adapter (lbs)

		Adapter size						
Reducer	180	210	250	280	280TSC	320	360	320TSC & 360TSC
Weight (lbs)	475	480	485	505	505	525	545	525

## MTA6307H Accessories

Description	Part number	Weight lbs.
TA6307RA Rod assembly	906109	19.9
TA7315BS Backstop assembly use for MTA6307	907102	20.0
V-ring seal kit	906249	0.3
TA4-TA9 Hydra-Lock dessicant breather kit	964364	0.8
MTA2-8 Vertical Position D breather kit	472300	3.0
Dodge ability sensor	750000	0.5

## Safety bushing covers

Reducer size	ABS polymer buhsing cover part numbers			
	Closed	Weight lbs.	Split	Weight lbs.
MTA5215H & MTA6307H	905142	1.0	905143	1.5

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

## TA6307H Tapered bushing kits (5) (6)

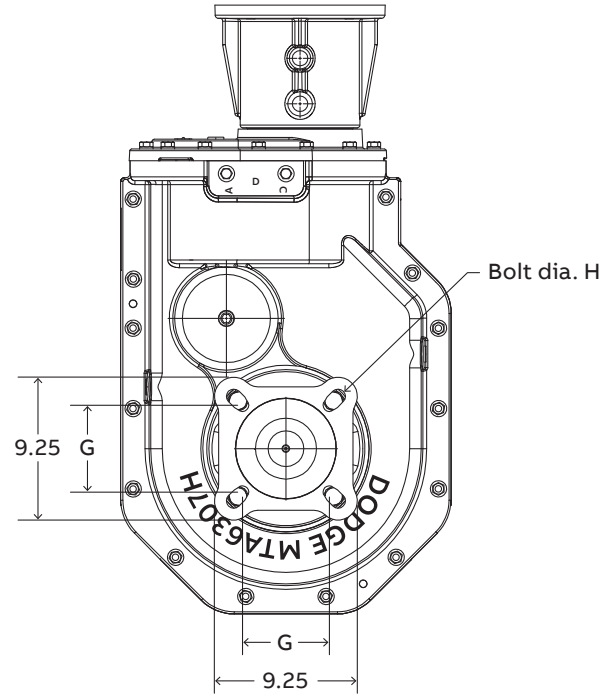
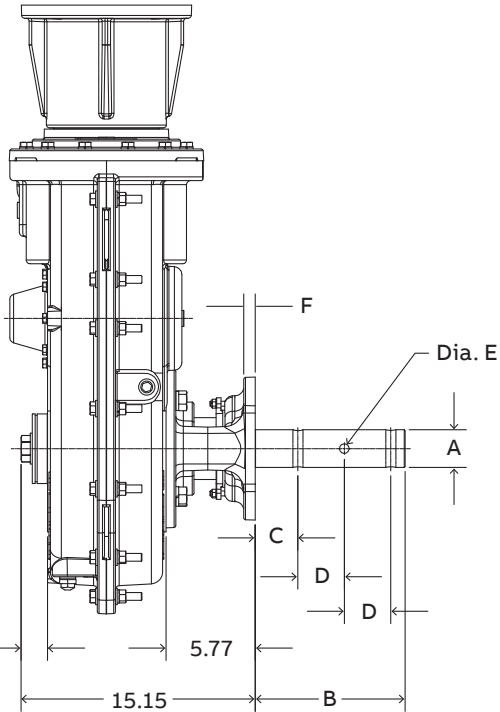
Bushing size standard shaft bushing kit	Part number (7)	Weight lbs.	Shaft keyseat required (9) (10)
TA6307TB x 3-7/16 ▲	906020	16.7	7/8 x 7/16 x 10.82
TA6307TB x 3-3/16	906021	17.7	3/4 x 3/8 x 10.82
TA6307TB x 3	906022	19.1	3/4 x 3/8 x 10.82
TA6307TB x 2-15/16 φ	906023	19.6	3/4 x 3/8 x 10.82
TA6307TB x 2-7/8 φ	906024	20.1	3/4 x 3/8 x 10.82
TA6307TB x 2-11/16 φ	906025	20.9	5/8 x 5/16 x 10.82
TA6307TB x 2-1/2 φ	906026	22.1	5/8 x 5/16 x 10.82
TA6307TB x 2-7/16 φ	906027	22.3	5/8 x 5/16 x 10.82
TA6307TB x 2-3/8 φ	906028	22.7	5/8 x 5/16 x 10.82
TA6307TB x 2-1/4 φ	906029	23.1	1/2 x 1/4 x 10.82
TA6307TB x 2-3/16 φ	906030	23.3	1/2 x 1/4 x 10.82

## TA6307H Tapered short shaft bushing kits (5) (6)

Bushing size short shaft bushing kit (8)	Part number	Weight lbs.	Shaft keyseat required (9)(10)
TA6307TBS x 3-7/16	906031	16.5	7/8 x 7/16 x 6.72
TA6307TBS x 3-3/16	906032	19.0	3/4 x 3/8 x 6.72
TA6307TBS x 3	906033	20.9	3/4 x 3/8 x 6.72
TA6307TBS x 2-15/16	906034	21.6	3/4 x 3/8 x 6.72
TA6307TBS x 2-7/8	906035	22.3	3/4 x 3/8 x 6.72
TA6307TBS x 2-11/16	906036	23.7	5/8 x 5/16 x 6.72
TA6307TBS x 2-1/2	906037	25.3	5/8 x 5/16 x 6.72
TA6307TBS x 2-7/16	906038	25.8	5/8 x 5/16 x 6.72
TA6307TBS x 2-3/8	906039	26.3	5/8 x 5/16 x 6.72
TA6307TBS x 2-1/4	906040	26.7	1/2 x 1/4 x 6.72
TA6307TBS x 2-3/16	906041	27.5	1/2 x 1/4 x 6.72

- ▲ AGMA maximum bore size
- φ Check driven shaft strength against torque requirements and assembly weight
- (5) Bushing kit required to mount TA II reducer to driven shaft
- (6) Bushing kit is not required to mount TA II reducer on screw conveyor drive shaft in a screw conveyor application
- (7) Standard shaft bushing kit includes two standard bushings with back-up plates and snap rings; hardware, and key
- (8) 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.
- (9) Minimum keyseat and shaft length required to mount reducer with bushing kit
- (10) Always check the driven shaft and key for strength

## MTA6307 Screw conveyor reducer



### MTA6307H Screw conveyor drive dimensions

Screw Dia	Drive Shaft Dia A	Dimensions						
		B	C	D	Hole Dia E	F	G	Bolt Dia H
12, 14	2-7/16	9.69	2.75	3.00	21/32	0.75	5.63	5/8
12, 14, 16, 18, 20	3	9.88	2.88	3.00	25/32	0.75	6.00	3/4
18, 20, 24	3-7/16	13.13	3.88	4.00	29/32	0.75	6.75	3/4

All dimensions are in inches.

## MTA6307 Screw conveyor accessories

### Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers	
	Closed	Weight
MTA5215H & MTA6307H	905142	1.0

MTA is drilled and tapped to accept the ABS bushing cover bolts.  
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 lbs.
TA6307SCA Adapter and hardware kit (2)	906070	40.0
TA6307SCP Adjustable packing kit (3)	906071	2.4
TA6307SCS x 2-7/16 Drive shaft	906074	54.6
TA6307SCS x 3 Drive shaft	906075	61.0
TA6307SCS x 3-7/16 Drive shaft	906076	74.9
TA6307SCS x 2-7/16 Stainless steel drive shaft	906082	54.6
TA6307SCS x 3 Stainless steel drive shaft	906083	61.0
TA6307SCS x 3-7/16 Stainless steel drive shaft	906084	74.9
Dodge ability sensor	750000	0.5

(2) SCA Adapter and hardware kit includes adapter, mounting wedge, keeper plate, key, seals and hardware

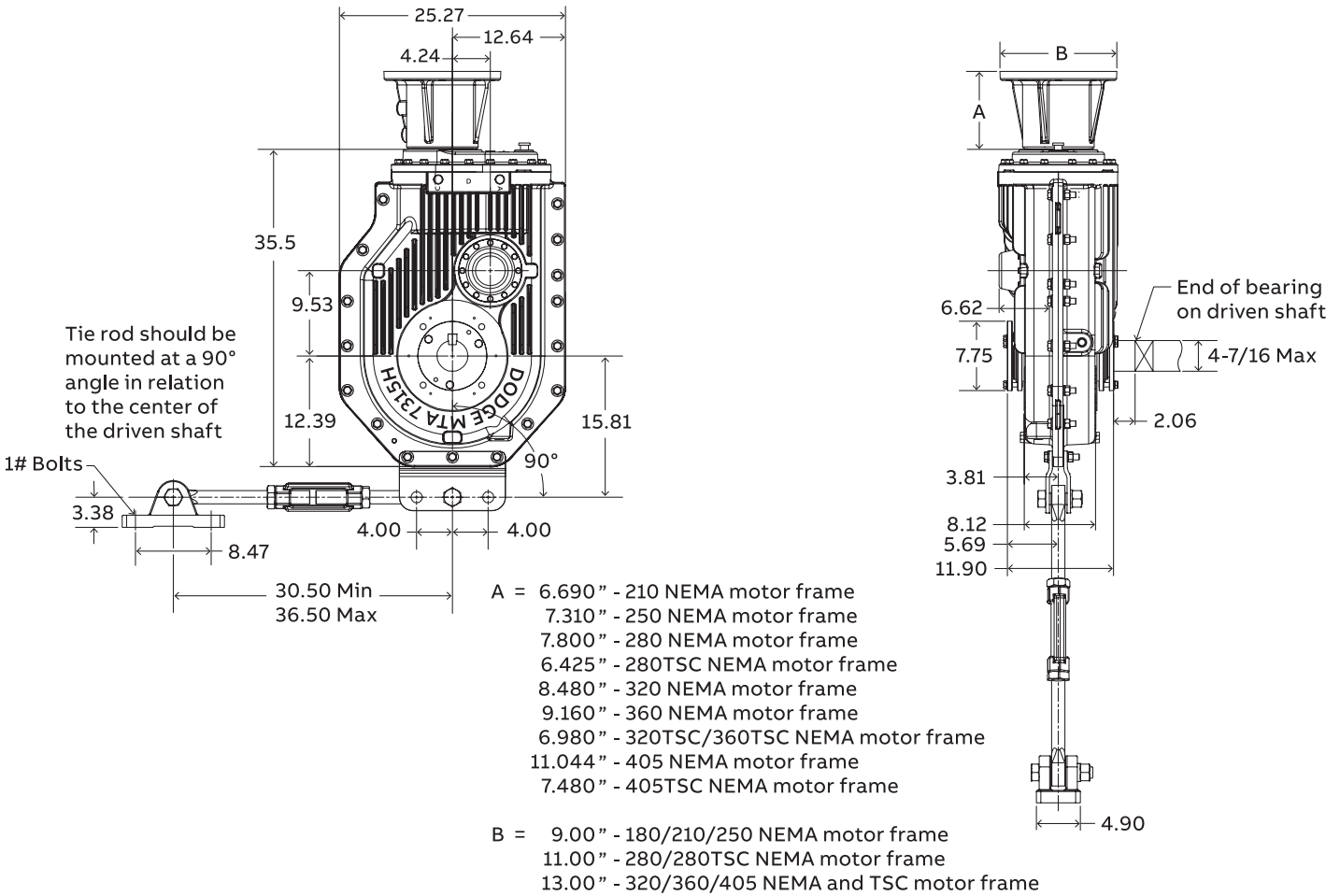
(3) SCP Adjustable packing kit consists of flange, mounting hardware and braided packing seals

(4) SCS Drive shaft is a shaft only. Hardware is stocked with the adapter and hardware kit

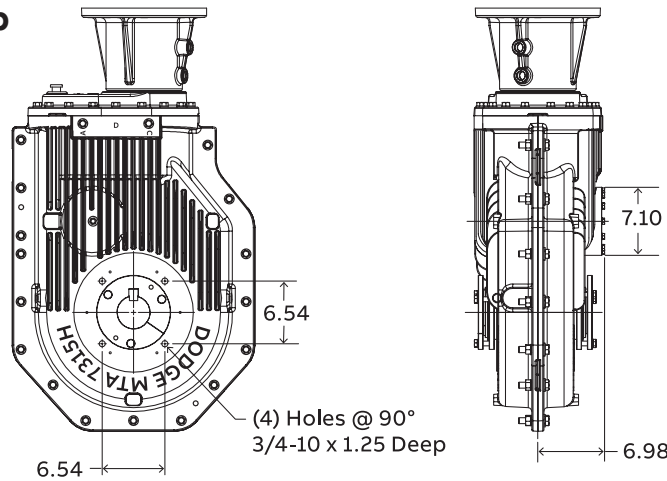
(5) A complete TA II screw conveyor drive includes a TA II reducer, SCA adapter and hardware kit and screw conveyor drive shaft.  
The SCP adjustable packing kit is an optional accessory.

# MTA7315 Shaft mounted reducer

## Reducer



## Reducer with backstop



# MTA7315 Shaft mounted accessories

## MTA7315 C-Face reducer weights with adapter (lbs)

Reducer	Adapter size									
	180	210	250	280	280TSC	320	360	32/36TSC	405	405TSC
Weight (lbs)	-	770	775	800	800	820	835	820	840	830

## MTA7315H Accessories

Description	Part number	Weight lbs.
TA9415RA Rod assembly use for MTA7315	909109	76.8
TA10507BS Backstop assembly use for MTA7315	910102	23.0
TA4-TA9 Hydra-Lock dessicant breather kit	964364	0.8
MTA2-8 Vertical Position D breather kit	472300	3.0
Dodge ability sensor	750000	0.5

## Safety bushing covers

Reducer size	ABS polymer bushing cover part numbers			
	Closed	Weight lbs.	Split	Weight lbs.
MTA7315H	907142	1.6	907143	1.1

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

## MTA7315H Tapered bushing kits (5) (6)

Bushing size standard shaft bushing kit	Part number (7)	Weight lbs.	Shaft keyseat required (9) (10)
TA7315TB x 4-7/16	907019	20.5	1 x 1/2 x 11.87
TA7315TB x 4-3/16	907021	23.5	1 x 1/2 x 11.87
TA7315TB x 3-15/16 ▲	907022	26.3	1 x 1/2 x 11.87
TA7315TB x 3-7/16	907023	30.9	7/8 x 7/16 x 11.87
TA7315TB x 3-3/16 φ	907024	32.6	3/4 x 3/8 x 11.87
TA7315TB x 3 φ	907025	34.0	3/4 x 3/8 x 11.87
TA7315TB x 2-15/16 φ	907026	34.6	3/4 x 3/8 x 11.87
TA7315TB x 2-7/8 φ	907027	35.0	3/4 x 3/8 x 11.87
TA7315TB x 2-11/16 φ	907028	35.8	5/8 x 5/16 x 11.87
TA7315TB x 2-1/2 φ	907029	37.2	5/8 x 5/16 x 11.87
TA7315TB x 2-7/16 φ	907030	37.4	5/8 x 5/16 x 11.87

## MTA7315H Short shaft tapered bushing kits

Bushing size short shaft bushing kit	Part number (8)	Weight lbs.	Shaft keyseat required (9)(10)
-	-	-	-
-	-	-	-
TA7315TBS x 3-15/16	907031	26.7	1 x 1/2 x 7.62
TA7315TBS x 3-7/16	907032	34.2	7/8 x 7/16 x 7.62
TA7315TBS x 3-3/16	907033	36.7	3/4 x 3/8 x 7.62
TA7315TBS x 3	907034	38.8	3/4 x 3/8 x 7.62
TA7315TBS x 2-15/16	907035	39.6	3/4 x 3/8 x 7.62
TA7315TBS x 2-7/8	907036	40.2	3/4 x 3/8 x 7.62
TA7315TBS x 2-11/16	907037	41.7	5/8 x 5/16 x 7.62
TA7315TBS x 2-1/2	907038	43.6	5/8 x 5/16 x 7.62
TA7315TBS x 2-7/16	907039	44.1	5/8 x 5/16 x 7.62

▲ AGMA maximum bore size

φ Check driven shaft strength against torque requirements and assembly weight

(5) Bushing kit required to mount TA II reducer to driven shaft

(6) Bushing kit is not required to mount TA II reducer on screw conveyor Drive Shaft in a screw conveyor application

(7) Standard shaft bushing kit includes two standard bushings with back-up plates and snap rings; hardware, and key

(8) 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.

(9) Minimum keyseat and shaft length required to mount reducer with bushing kit

(10) Always check the driven shaft and key for strength

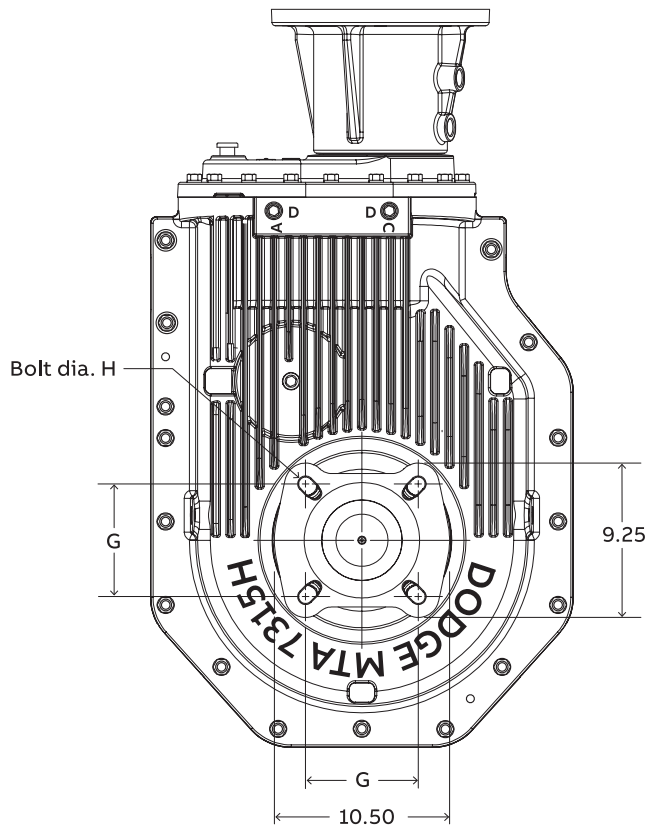
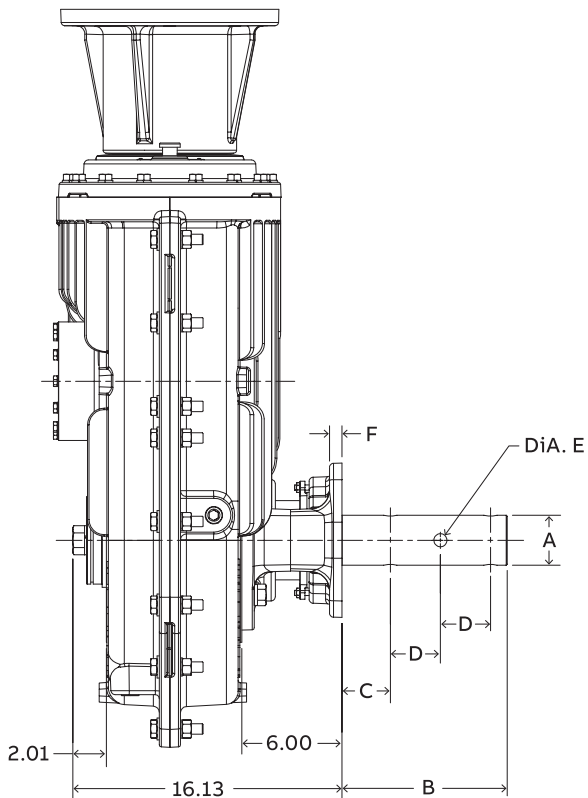
# MTA7315 Screw conveyor reducer

Table of Contents & Reference Guide

Motorized Torque-Arm II

Torque-Arm II

Torque-Arm



**MTA7315H Screw conveyor drive dimensions**

Screw Dia	Drive Shaft Dia A	Dimensions						
		B	C	D	Hole Dia E	F	G	Bolt Dia H
12, 14	2-7/16	9.69	2.75	3.00	21/32	0.75	5.63	5/8
12, 14, 16, 18, 20	3	9.88	2.88	3.00	25/32	0.75	6.00	3/4
18, 20, 24	3-7/16	13.13	3.88	4.00	29/32	0.75	6.75	3/4

Engineering

Bulk Material Handling

Part Number Index

All dimensions are in inches.

## MTA7315 Screw conveyor accessories

### Safety bushing covers

Reducer size	ABS Polymer end cover part numbers	
	Closed	Weight lbs.
MTA7315H	907142	1.6

MTA is drilled and tapped to accept the ABS bushing cover bolts.  
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 lbs.
TA7315SCA Adapter and hardware kit (2)	907070	50.1
TA7315SCP Adjustable packing kit (3)	907071	2.5
TA7315SCS x 2-7/16 Drive shaft	907074	77.0
TA7315SCS x 3 Drive shaft	907075	83.4
TA7315SCS x 3-7/16 Drive shaft	907076	97.3
TA7315SCS x 2-7/16 Stainless steel drive shaft	907082	77.0
TA7315SCS x 3 Stainless steel drive shaft	907083	83.4
TA7315SCS x 3-7/16 Stainless steel drive shaft	907084	97.3
Dodge ability sensor	750000	0.5

(2) SCA Adapter and 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 and hardware kit

(5) A complete TA II screw conveyor drive includes a TA II Reducer, SCA adapter and hardware kit and screw conveyor drive shaft.  
The SCP adjustable packing kit is an optional accessory.

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Motorized Torque-Arm II

Torque-Arm II

Torque-Arm

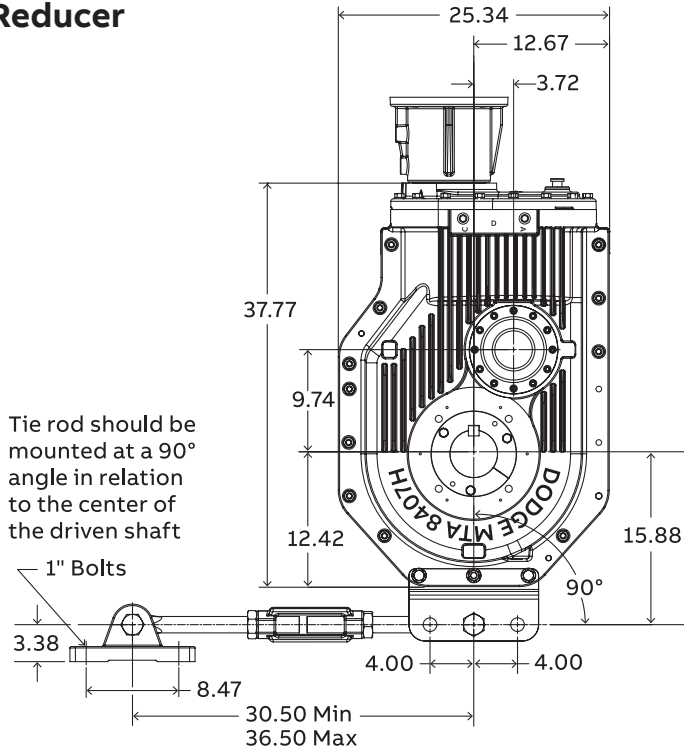
Engineering

Bulk Material Handling

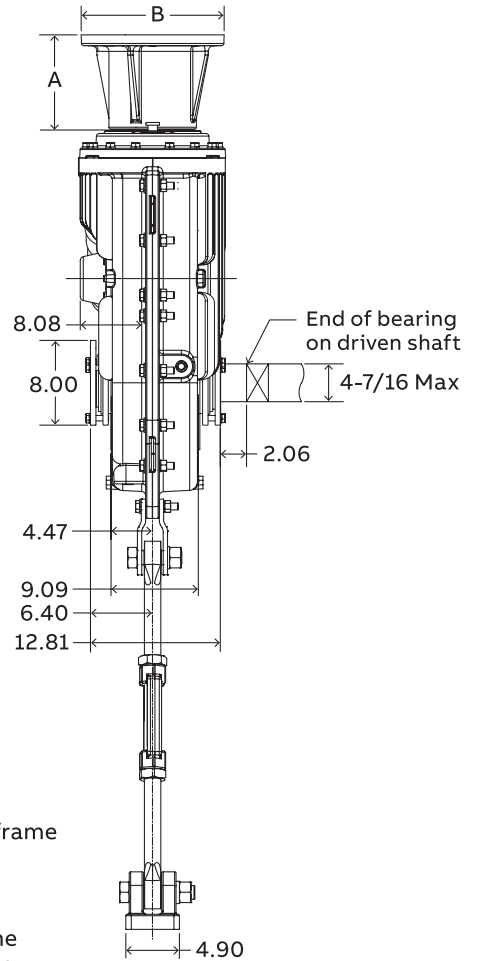
Part Number Index

# MTA8407 Shaft mounted reducer

## Reducer



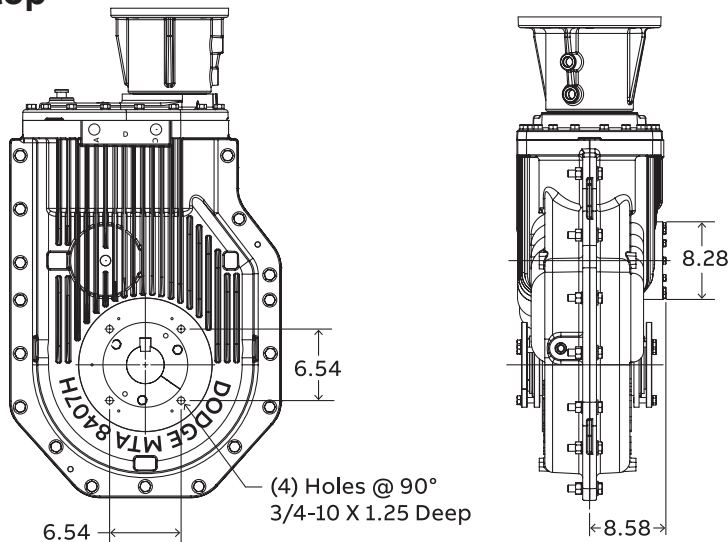
Tie rod should be mounted at a 90° angle in relation to the center of the driven shaft



- A = 7.310" - 250 NEMA motor frame
- 7.800" - 280 NEMA motor frame
- 6.425" - 280TSC NEMA motor frame
- 8.480" - 320 NEMA motor frame
- 9.160" - 360 NEMA motor frame
- 6.980" - 320TSC/360TSC NEMA motor frame
- 11.044" - 405 NEMA motor frame
- 7.480" - 405TSC NEMA motor frame

- B = 9.00" - 180/210/250 NEMA motor frame
- 11.00" - 280/280TSC NEMA motor frame
- 13.00" - 320/360/405 NEMA and TSC motor frame

## Reducer with backstop





## MTA8407 Shaft mounted accessories

### MTA8407 C-Face reducer weights with adapter (lbs)

Reducer	Adapter size									
	180	210	250	280	280TSC	320	360	32/36TSC	405	405TSC
Weight (lbs)	-	-	910	935	935	955	970	955	975	965

### MTA8407H Accessories

Description	Part number	Weight lbs.
TA9415RA Rod assembly use for MTA8407	909109	76.8
TA12608BS Backstop assembly use for MTA8407	912102	39.0
TA4-TA9 Hydra-Lock dessicant breather kit	964364	0.8
MTA2-8 Vertical Position D breather kit	472300	3.0
Dodge ability sensor	750000	0.5

### Safety bushing covers

Reducer Size	ABS polymer bushing cover part numbers			
	Closed	Weight lbs.	Split	Weight lbs.
MTA8407H	908142	1.7	908143	1.2

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

### MTA8407H Tapered bushing kits (5) (6)

Bushing size standard shaft bushing kit	Part number (7)	Weight lbs.	Shaft keyseat required (9) (10)
TA8407TB x 4-7/16 ▲	908020	26.0	1 x 1/2 x 12.82
TA8407TB x 4-3/16	908021	29.0	1 x 1/2 x 12.82
TA8407TB x 3-15/16	908022	32.1	1 x 1/2 x 12.82
TA8407TB x 3-7/16 φ	908023	36.7	7/8 x 7/16 x 12.82
TA8407TB x 3-3/16 φ	908024	38.4	3/4 x 3/8 x 12.82
TA8407TB x 3 φ	908025	39.8	3/4 x 3/8 x 12.82
TA8407TB x 2-15/16 φ	908026	40.4	3/4 x 3/8 x 12.82

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

Bushing size short shaft bushing kit	Part number (8)	Weight lbs.	Shaft keyseat required (9)(10)
TA8407TBS x 4-7/16	908027	26.9	1 x 1/2 x 8.10
TA8407TBS x 4-3/16	908028	31.3	1 x 1/2 x 8.10
TA8407TBS x 3-15/16	908029	35.6	1 x 1/2 x 8.10
TA8407TBS x 3-7/16	908030	42.4	7/8 x 7/16 x 8.10
TA8407TBS x 3-3/16	908031	45.3	3/4 x 3/8 x 8.10
TA8407TBS x 3	908032	47.5	3/4 x 3/8 x 8.10
TA8407TBS x 2-15/16	908033	48.3	3/4 x 3/8 x 8.10

- ▲ AGMA maximum bore size
- φ Check driven shaft strength against torque requirements and assembly weight
- (5) Bushing kit required to mount TA II reducer to driven shaft
- (6) Bushing kit is not required to mount TA II reducer on screw conveyor drive shaft in a screw conveyor application
- (7) Standard shaft bushing kit includes two standard bushings with back-up plates and snap rings; hardware, and key
- (8) 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.
- (9) Minimum keyseat and shaft length required to mount reducer with bushing kit
- (10) Always check the driven shaft and key for strength

## Harsh duty accessories

### Safety bushing covers

Reducer size	Reducer size	Closed	Weight lbs.	ABS polymer bushing cover part numbers	
				Split	Weight lbs.
TA2115H	TA2115H	902142	0.6	902143	0.5
TA3203H	TA3203H	903142	0.6	903143	0.5
TA4207H	TA4207H	904142	1.2	904143	1.0
TA5215H	TA5215H	905142	1.5	905143	1.0
TA6307H	TA6307H	905142	1.5	905143	1.0
TA7315H	TA7315H	907142	1.6	907143	1.1
TA8407H	TA8407H	908142	1.7	908143	1.2

End covers fit both the input side and backstop side of MTA reducer.

### V-ring seal kits

Reducer size	Part	Weight lbs.
MTA2115H	902249	0.1
MTA3203H	903249	0.1
MTA4207H	904249	0.2
MTA5215H	905249	0.2
MTA6307H	906249	0.3
MTA7315H	907249	0.4
MTA8407H	908249	0.4
Dodge ability sensor	750000	0.5

### Harsh duty breathers

Enclosed chamber	
Reducer size	Part number
MTA2-MTA8	240050

Hydra-Lock breathers	
Reducer size	Part number
MTA2-MTA3	964372
MTA4-MTA8	964364

Motor in Position D	
Part number	Weight lbs.
Position D breather kit	472300

## MTA Engineering information

### Thrust capacity for screw conveyor drives (pounds)

Case size	Output speed (RPM)								
	10	25	50	75	100	125	150	175	200
MTA2115H	6000	6000	6000	5323	4850	4550	4295	4086	3924
MTA3203H	6000	6000	6000	6000	5761	5328	5020	4813	4636
MTA4207H	6000	6000	6000	6000	6000	6000	6000	6000	6000
MTA5215H	6000	6000	6000	6000	6000	6000	6000	6000	6000
MTA6307H	6000	6000	6000	5885	5185	4706	4435	4303	4269
MTA7315H	†	†	†	†	†	†	†	†	†
MTA8407H	-	-	-	-	-	-	-	-	-

† - Consult Dodge

Horsepower	NEMA motor frame		Shaft diameter
	4 pole	2 pole	
3	182T	182T	1-1/8"
5	184T	184T	1-1/8"
7-1/2	213T	213T	1-3/8"
10	215T	215T	1-3/8"
15	254T	254T	1-5/8"
20	256T	256T	1-5/8"

Horsepower	NEMA motor frame		NEMA motor frame	
	4 pole	Shaft diameter	2 pole	Shaft diameter
25	284T	1-7/8"	284TS	1-5/8"
30	286T	1-7/8"	286TS	1-5/8"
40	324T	2-1/8"	324TS	1-7/8"
50	326T	2-1/8"	326TS	1-7/8"
60	364T	2-3/8"	364TS	1-7/8"
75	365T	2-3/8"	365TS	1-7/8"
100	405T	2-7/8"	405TS	2-1/8"

## Motorized Torque-Arm II

### Reliability packages for harsh duty environments

Dodge Motorized Torque-Arm II is designed for use in harsh duty environments. It is the go to gearbox for users demanding maximum bearing life and uptime from their equipment. When severe applications arise, Dodge answers with the new reliability kits for MTA II.

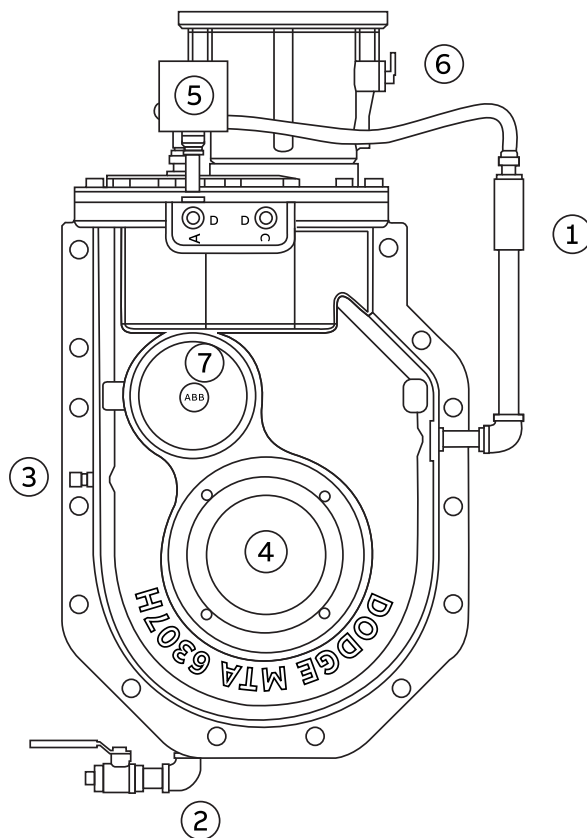
Reliability kit level 1 is used where users demand maximum uptime from critical equipment.

The level 1 kit includes:

1. Large vented oil sight tube with closed loop piping.
2. Quick drain valve.
3. Quick oil sampling port.
4. ABS bushing covers, closed cover and a split cover for the backside.
5. Position D breather kit with sight gauge and enclosed.
6. Severe duty adapter plug

Reliability kit level 2 is used when condition monitoring is critical to the uptime reliability of the plant and adds:

7. Dodge ability sensor.



## Motorized Torque-Arm II

Reliability packages for harsh duty environments

Part number	Description
M2RELIAKITLVL01	MTA2115 reliability kit level 1
M3RELIAKITLVL01	MTA3203 reliability kit level 1
M4RELIAKITLVL01	MTA4207 reliability kit level 1
M5RELIAKITLVL01	MTA5215 reliability kit level 1
M6RELIAKITLVL01	MTA6307 reliability kit level 1
M7RELIAKITLVL01	MTA7315 reliability kit level 1
M8RELIAKITLVL01	MTA8407 reliability kit level 1

Reliability kit level 1 is used where users demand maximum uptime from critical equipment. The level 1 kit includes creates a closed loop system that eliminates the introduction of any outside air or contaminants. It also allows the end user to check the oil level from a distance. Add to that, the complete protection from spinning bushing bolts, and you have a winner for longevity and safety.

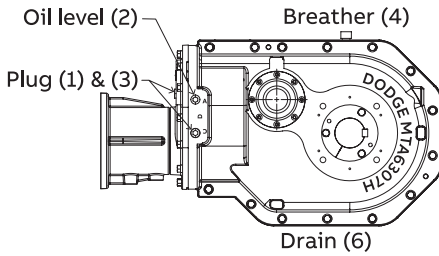
Part number	Description
M2RELIAKITLVL02	MTA2115 reliability kit level 2
M3RELIAKITLVL02	MTA3203 reliability kit level 2
M4RELIAKITLVL02	MTA4207 reliability kit level 2
M5RELIAKITLVL02	MTA5215 reliability kit level 2
M6RELIAKITLVL02	MTA6307 reliability kit level 2
M7RELIAKITLVL02	MTA7315 reliability kit level 2
M8RELIAKITLVL02	MTA8407 reliability kit level 2

Reliability kit level 2 is used when condition monitoring is critical to the uptime reliability of the plant and adds the Dodge ability sensor. This allows trend monitoring of critical data from the reducer. And can be read from cell phone or computer. Can be integrated into plant wide preventative maintenance programs.

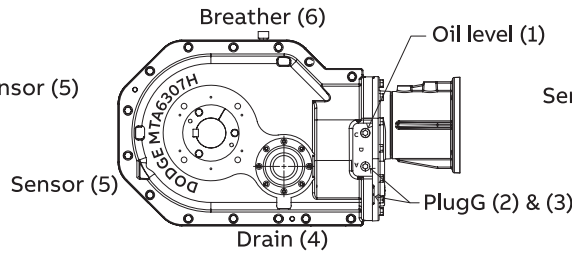


# Mounting positions

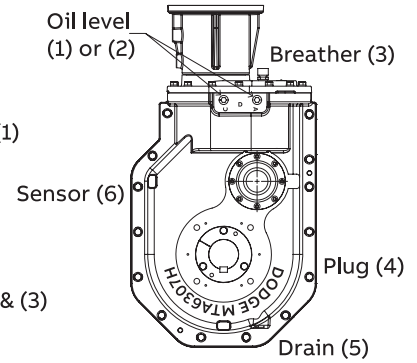
## Horizontal mounting



Position A

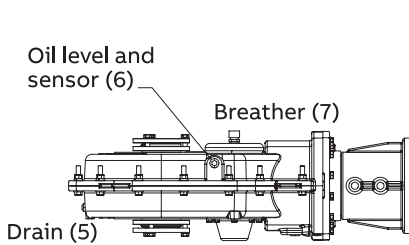


Position C

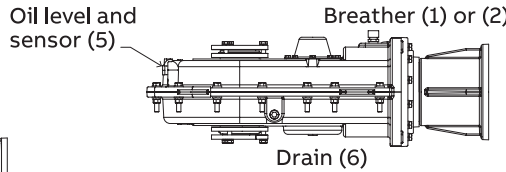


Position D

## Vertical mounting

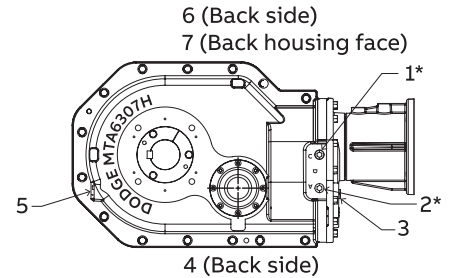


Position E



Position F

## Typical oil hole locations



\* Plugs (1) and (2) are located on both sides of the reducer. Fill oil to plug with cast lettering that matches the mounting position.

## Vent and plug locations

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

\*Either Plug (1) or plug (2) may be used

## Approximate oil volumes

Case size	Oil volume in quarts ■ ● □						Oil volume in liters ■ ● □					
	Horizontal			Vertical			Horizontal			Vertical		
	A	B	C	D <sup>⊗</sup>	E (up)	F (down)	A	B	C	D <sup>⊗</sup>	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

■ Oil quantity is approximate. Service with lubricant until oil runs out of oil level hole as indicated per drawings in figure 1.

● 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.

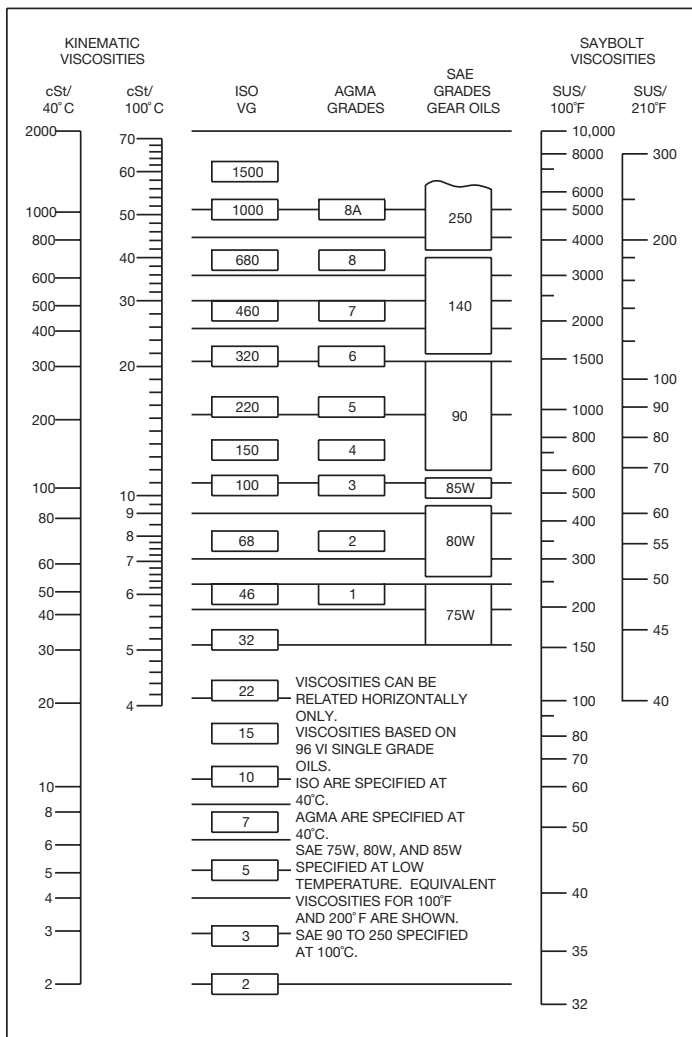
□ Position B not shown or recommended, check with factory

⊗ For Position D - It is recommended to use "Position D breather kit" part number - 472300. All

Dodge MTA II gearboxes are equipped with Dodge Ability sensor plugs from the factory

# MTA II Engineering information

## Oil viscosity equivalence chart



## Recommended lubricants for Motorized Torque Arm II and Torque Arm II reducers \*

Standard oils		EP oils	
<b>Exxon</b>			
150		150	150
220	Teresstic	220	Spartan EP
320		320	320
<b>Chevron</b>			
150		150	150
220	Machine	220	Gear Compound EP
320		320	320
<b>Unical</b>			
150		150	141
220	Turbine Oil	220	Extra Duty HL
320		320	Gear Lube
320			300
<b>Kluber Synthetic</b>			
150		150N	-
220	GEM4	220N	-
320		320N	-
<b>Kluber</b>			
150		150N	-
220	GEM1	220N	-
320		320N	-
<b>Mobil Synthetic</b>			
150		150	150
220	SHC	220	SHC XMP
320		320	320
<b>Mobil</b>			
150		Extra Heavy	150
220	Mobil DTE	BB	MobilGear 600 XP
320		AA	320
<b>Texaco</b>			
150		150	150
220	Regal Oil R&O	220	Meropa
320		320	320
<b>Shell Synthetic</b>			
150		150	-
220	Morlina S4 B	220	-
320		320	-
<b>Shell</b>			
150		150	150
220	Morlina S2 B	220	Omala S2 G
320	Morlina S3 B	320	320

\* Partial list. Consult Dodge or a lubricant manufacturer for further options, and check lubricant manufacturer's website for new revisions in oil nomenclature

**Table 1 – Oil recommendations**

Output RPM	Motorized Torque-Arm II reducer size							
	ISO Grades for ambient temperatures of 50°F to 125°F							MTA...
	2115H	3203H	4207H	5215H	6307H	7315H	8407H	
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	

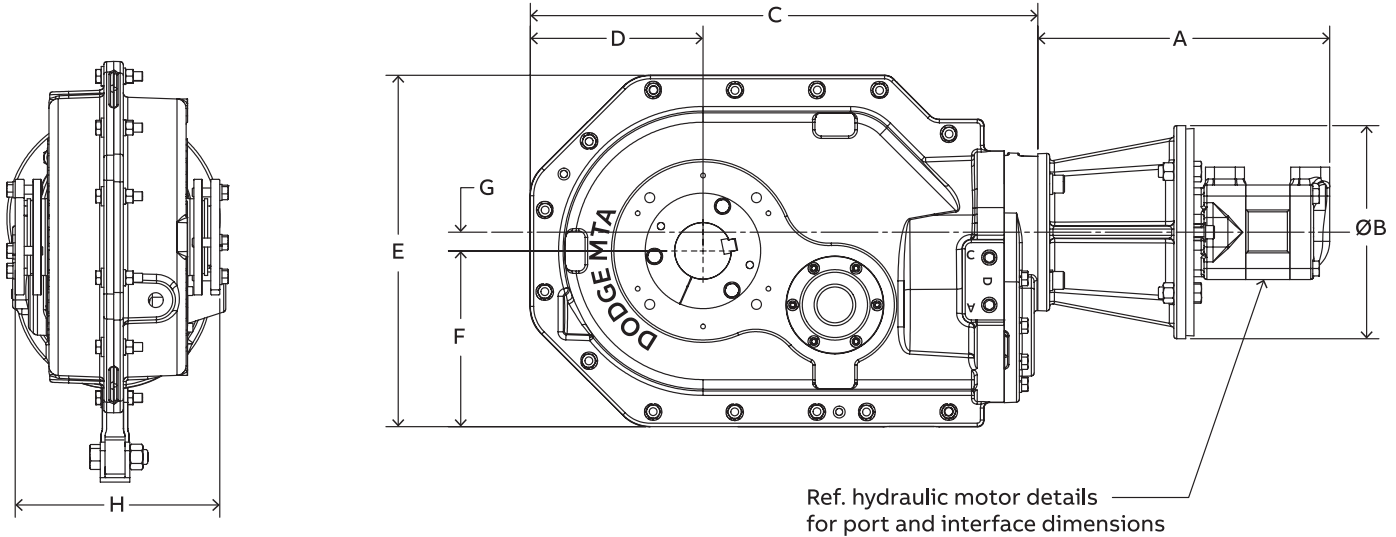
**Table 2 – Oil recommendations**

Output RPM	Motorized Torque-Arm II reducer size							
	ISO Grades for ambient temperatures of 15°F to 60°F							MTA...
	2115H	3203H	4207H	5215H	6307H	7315H	8407H	
151 – 200	220	150	150	150	150	150	150	
126 – 150w	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 10°F 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, Torque-Arm 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 -22°F (-30°C) and 20°F (-6.6°C) use a synthetic hydrocarbon lubricant, 100 ISO grade or AGMA 3 grade (for example, Mobil SHC627). Above 125°F (51°C), consult Dodge Gear Application Engineering (864) 297-4800
- (6) Mobil SHC630 Series oil is recommended for high ambient temperatures.

## Hydraulic Motorized Torque-Arm II speed reducers

### Dimensional information



Assembly Part number	Reducer ratio	Motor weight (lbs)	Assembly weight (without tierod) (lbs)	Dimensions (in)							
				A	B	C	D	E	F	G	H
M2H18THYD3B18	17.68	18	185	12.33	9.00	19.30	6.64	13.48	6.75	0.48	7.55
M3H17THYD3B27	17.46	18	240	12.33	9.00	21.43	7.30	14.82	7.41	0.79	8.62
M4H22THYD3B36	21.82	18	300	12.33	9.00	24.19	8.44	16.89	8.44	0.48	8.73
M5H29THYD4C55	29.41	34	427	14.40	9.00	28.16	9.68	19.31	9.64	0.55	10.33
M6H24THYD4D02	24.43	60	558	15.12	9.00	31.38	10.70	21.39	10.70	0.91	10.83

**Note:** Refer to MTA dimension sheet for further details.

### Accessories

Use the same accessories per size as the regular MTA II reducers.

M2 = G1-38/40; M3 = G1-42/44; M4 = G1-46/48; M5 = G1-50/52; M6 = G1-54/56

MTA II Hydraulic reducer components are not available for purchase as separate items.

These are only available to be ordered as a complete assembly.



# Hydraulic Motorized Torque-Arm II speed reducers

## Rating information

Reducer size	Continuous running torque (lb-in)	Peak running torque at max pressure (lb-in)	Requirements	Output speed									
				20	25	30	35	40	45	50	55	60	65
M2H18THYD3B18	6,500	8,063	Output hp (running)	1.8	2.3	2.7	3.2	3.6	4.1	4.5	5.0	5.5	5.9
M3H17THYD3B27	10,321	13,687	Output hp (running)	3.2	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.5
M4H22THYD3B36	16,696	22,688	Output hp (running)	5.0	6.2	7.5	8.7	10.0	11.2	12.4	13.7	14.9	16.2
M5H29THYD4C55	30,146	37,229	Output hp (running)	8.5	10.6	12.7	14.9	17.0	19.1	21.2	23.4	25.5	27.6
M6H24THYD4D02	40,000	54,793	Output hp (running)	11.1	13.9	16.7	19.5	22.2	25.0	27.8	30.6	33.4	36.1

Reducer size	Continuous running torque (lb-in)	Peak running torque at max pressure (lb-in)	Requirements	Output speed								
				70	75	80	85	90	100	110	120	130
M2H18THYD3B18	6,500	8,063	Output hp (running)	6.4	6.8	7.3	7.7	8.2	9.1	10.0	10.9	11.8
M3H17THYD3B27	10,321	13,687	Output hp (running)	11.3	12.1	12.9	13.7	14.5	16.1	17.7	-	-
M4H22THYD3B36	16,696	22,688	Output hp (running)	17.4	18.7	19.9	21.2	-	-	-	-	-
M5H29THYD4C55	30,146	37,229	Output hp (running)	29.7	29.7	29.7	-	-	-	-	-	-
M6H24THYD4D02	40,000	54,793	Output hp (running)	38.9	41.7	44.5	-	-	-	-	-	-

