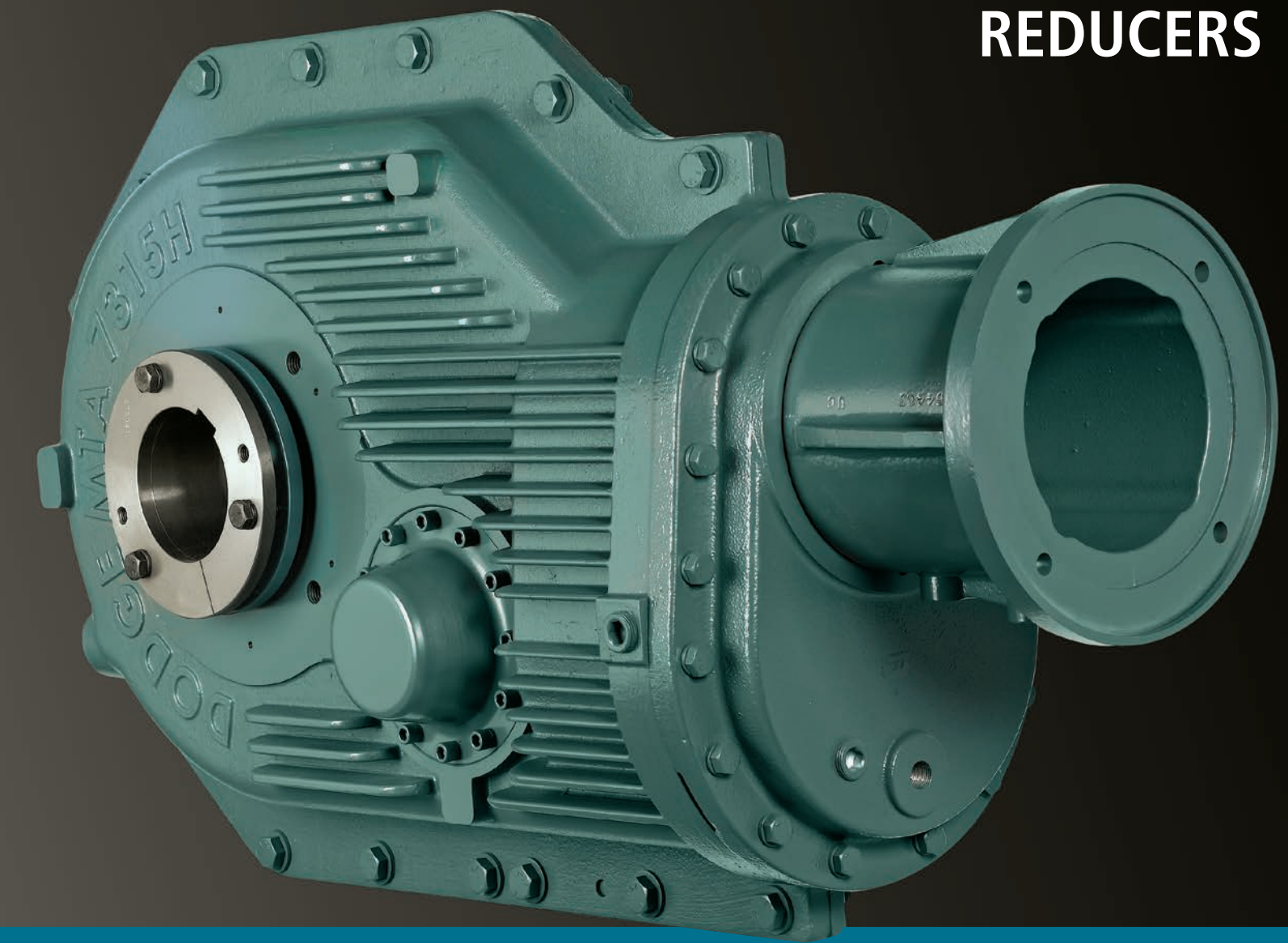
DODGE®

2014

BALDOR•DODGE® MOTORIZED TORQUE-ARM® II REDUCERS



BALDOR®

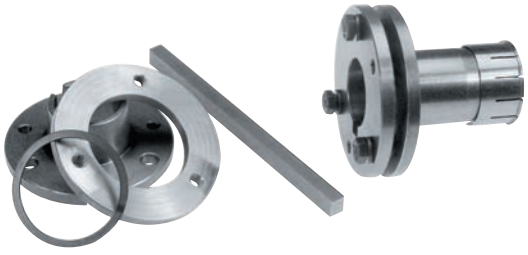
A MEMBER OF THE ABB GROUP

Accessories

MTA uses standard TA II accessories

Bushings – Standard Twin Taper

Short Shaft Twin Taper



Bushing Covers

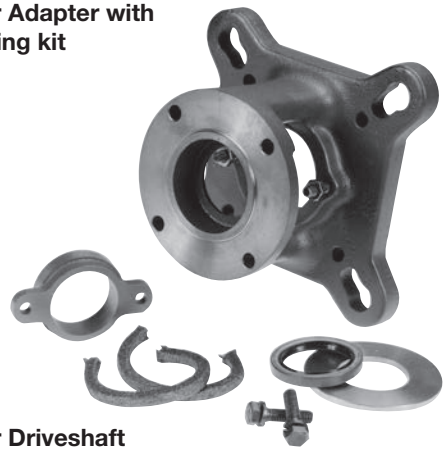
Metal

ABS Polymer

Backstop

MTA Reducers require a larger size TA II Backstop as noted in accessory pages

Screw Conveyor Adapter with adjustable packing kit



Screw Conveyor Driveshaft

Tie Rod

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

Application	Class Numbers	
	3 to 10 Hrs per Day	Over 10 Hrs per Day
Agitators (Mixers)	–	–
Pure Liquids	I	II
Liquids and Solids	II	II
Liquids-Variable Density	II	II
Blowers	–	–
Centrifugal	I	II
Lobe	II	II
Vane	II	II
Brewing and Distilling	–	–
Bottling Machinery	I	II
Brew Kettles-Continuous Duty	II	II
Cookers-Continuous Duty	II	II
Mash Tubs-Continuous Duty	II	II
Scale Hopper-Frequent Starts	II	II
Can Filling Machines	I	II
Car Dumpers	III	III
Car Pullers	II	II
Clarifers	I	II
Classifiers	II	II
Clay Working Machinery	–	–
Brick Press	III	III
Briquette Machine	III	III
Pug Mill	II	II
Compactors	★	★
Compressors	–	–
Centrifugal	I	II
Lobe	II	II
Reciprocating, Multi-Cylinder	II	III
Reciprocating, Single-Cylinder	III	III
Conveyors-General Purpose	(Includes Apron, Assembly, Belt, Bucket, Chain, Flight, Oven and Screw)	
Uniformly Loaded or Fed	I	II
Heavy Duty-Not Uniformly Fed	II	II
Severe Duty-Reciprocating or Shaker	III	III
Cranes	★	★
Crusher	–	–
Stone or Ore	III	III
Dredges	–	–
Cable Reels	II	II
Conveyors	II	II
Cutter Head Drives	III	III
Pumps	III	III
Screen Drives	III	III
Stackers	II	II
Winches	II	II

★Consult Dodge for mor information on class number

Application	Class Numbers	
	3 to 10 Hrs per Day	Over 10 Hrs per Day
Elevators	–	–
Bucket	II	II
Centrifugal Discharge	I	II
Escalators	I	II
Freight	II	II
Gravity Discharge	I	II
Extruders	–	–
General	II	II
Plastics	–	–
Variable Speed Drive	III	III
Fixed Speed Drive	III	III
Rubber	–	–
Continuous Screw Operation	III	III
Intermittent Screw Operation	III	III
Fans	–	–
Centrifugal	I	II
Forced Draft	II	II
Induced Draft	II	II
Industrial & Mine	II	II
Feeders	–	–
Apron, Belt	II	II
Disc	I	II
Reciprocating	III	III
Screw	II	II
Food Industry	–	–
Cereal Cooker	I	II
Dough Mixer	II	II
Meat Grinders	II	II
Slicers	II	II
Generators and Exciters	II	II
Hammer Mills	III	III
Hoists	★	★
Laundry Tumblers	II	II
Laundry Washers	II	III

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

Application	Class Numbers	
	3 to 10 Hrs per Day	Over 10 Hrs per Day
Lumber Industry	–	–
Barkers	–	–
Spindle Feed	II	II
Main Drive	III	III
Conveyors	–	–
Burner	II	II
Main or Heavy Duty	II	II
Main Log	III	III
Re-saw, Merry-Go-Round	II	II
Transfer	II	II
Slab	III	III
Chains	–	–
Floor	II	II
Green	II	III
Cut-Off Saws	–	–
Chain	II	III
Drag	II	III
Debarking Drums	III	III
Feeds	–	–
Edger	II	II
Gang	III	III
Trimmer	II	II
Log Deck	III	III
Log Hauls-Incline-Well Type	III	III
Log Tuning Devices	III	III
Planer Feed	II	II
Planer Tilting Hoists	II	II
Rolls-Live-off brg.-Roll Cases	III	III
Sorting Table	II	II
Triple Hoist	II	II
Transfers	–	–
Chain	II	III
Craneway	II	III
Tray Drives	II	II
Veneer Lathe Drives	II	II
Metal Mills	–	–
Draw bench Carriage and Main Drive	II	II
Runout Table	–	–
Non-Reversing	–	–
Group Drives	II	II
Individual Drives	III	III
Reversing	III	III
Slab Pushers	II	II
Shears	III	III

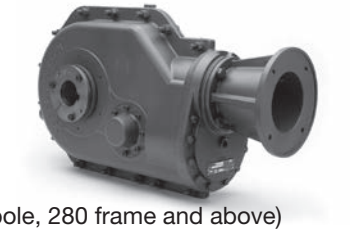
Application	Class Numbers	
	3 to 10 Hrs per Day	Over 10 Hrs per Day
Wire Drawing	II	II
Wire Winding Machine	II	II
Metal Strip Processing Machinery	–	–
Bridles	II	II
Coilers & Uncoliers	I	II
Edge Trimmers	II	II
Flatteners	II	II
Loopers (Accumulators)	I	I
Pinch Rolls	II	II
Scrap Choppers	II	II
Shears	III	III
Slitters	II	II
Mills, Rotary Type	–	–
Ball & Rod	–	–
Spur Ring Gear	III	III
Helical Ring Gear	II	II
Direct Connected	III	III
Cement Kilns	II	II
Dryers & Coolers	II	II
Mixers, Cement, Paper Mills	–	–
Agitator (Mixer)	II	II
Agitator for Pure Liquors	II	II
Barking Drums	III	III
Barkers-Mechanical	III	III
Beater	II	II
Breaker Stack	II	II
Chipper	III	III
Chip Feeder	II	II
Coating Rolls	II	II
Conveyors	–	–
Chip, Bark, Chemical	II	II
Log (including Slab)	III	III
Couch Rolls	II	II
Cutter	III	III
Cylinder Molds	II	II
Embosser	II	II
Extruder	II	II
Fourdrinier Rolls (includes Lump breaker, dandy roll, wire turning, and return rolls)	II	II
Jordan	II	II
Kiln Drive	II	II
Mt. Hope Roll	II	II
Paper Rolls	II	II
Platter	II	II

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

Application	Class Numbers	
	3 to 10 Hrs per Day	Over 10 Hrs per Day
Mixers, Cement, Paper Mills (cont)	–	–
Presses-Felt & Suction	II	II
Pulper	III	III
Pumps-Vacuum	II	II
Reel (Surface Type)	II	II
Screens	–	–
Chip	II	II
Rotary	II	II
Vibrating	III	III
Size Press	II	II
Thickener (AC Motor)	II	II
(DC Motor)	II	II
Washer (AC Motor)	II	II
(DC Motor)	II	II
Wind and Unwind Stand	I	I
Winders (Surface Type)	II	II
Plastics Industry-Secondary Processing	–	–
Blow Molders	II	II
Coating	II	II
Film	II	II
Pipe	II	II
Pre-Plasticizers	II	II
Rods	II	II
Sheet	II	II
Tubing	II	II
Pullers-Barge Haul Pumps	II	II
Centrifugal	I	II
Proportioning	II	II
Reciprocating	–	–
Single Acting, 3 or more cylinders	II	II
Double Acting, 2 or more cylinders	II	II
Rotary	–	–
Gear Type	I	II
Lobe	I	II
Vane	I	II
Rubber and Plastics Industry	–	–
Intensive Internal Mixers	–	–
Batch Mixers	III	III
Continuous Mixers	II	II
Mixing Mill	–	–
2 smooth rolls	II	II
1 or 2 corrugated rolls	III	III
Batch Drop Mill - 2 smooth rolls	II	II

Application	Class Numbers	
	3 to 10 Hrs per Day	Over 10 Hrs per Day
Cracker Warmer - 2 roll, 1 corrugated roll	III	III
Cracker-2 corrugated rolls	III	III
Holding, Feed & Blend Mill-2 rolls	II	II
Refiner-2 rolls	II	II
Calenders	II	II
Sand Muller	II	II
Sewage Disposal Equipment	–	–
Bar Screens	II	II
Chemical Feeders	II	II
Dewatering Screens	II	II
Scum Breakers	II	II
Slow or Rapid Mixers	II	II
Sludge Collectors	II	II
Thickener	II	II
Vacuum Filters	II	II
Screens	–	–
Air Washing	I	II
Rotary-Stone or Gravel	II	II
Traveling Water Intake	I	I
Screw Conveyors	–	–
Uniformly Loaded or Fed	I	II
Heavy Duty	II	II
Sugar Industry	–	–
Beet Slicer	III	III
Cane knives	II	II
Crushers	II	II
Mills (low speed end)	III	III
Textile Industry	–	–
Batchers	II	II
Calenders	II	II
Cards	II	II
Dry Cans	II	II
Dyeing Machinery	II	II
Looms	II	II
Mangles	II	II
Nappers	II	II
Pads	II	II
Stashers	II	II
Soapers	II	II
Spinners	II	II
Tenter Frames	II	II
Washers	II	II
Winders	II	II

MTA2 through MTA8 Nomenclature and Descriptions



MTA C-Face Reducer Nomenclature
M6H67T28C TORQUEARM REDUCER ONLY

M - Motorized Torque-Arm
6 - Case Size**, H** - Heavy Duty,
67 - NominalRatio, **T** - Tapered Bore
28 - 280 - Motor Frame, C - Nema - C-Face, (TSC - accomodates Nema TS short shaft frame, 2 pole, 280 frame and above)

Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
M2H30T18C	M3H51T18C	M4H41T21C	M5H65T21C	M6H52T25C	M7H51T28C	M8H79T28C
M2H32T18C	M3H58T18C	M4H44T21C	M5H72T21C	M6H59T25C	M7H58T28C	M8H51T32C
M2H36T18C	M3H65T18C	M4H49T21C	M5H40T25C	M6H67T25C	M7H67T28C	M8H53T32C
M2H39T18C	M3H70T18C	M4H52T21C	M5H43T25C	M6H79T25C	M7H76T28C	M8H60T32C
M2H44T18C	M3H76T18C	M4H61T21C	M5H48T25C	M6H34T28C	M7H33T32C	M8H69T32C
M2H47T18C	M3H25T21C	M4H66T21C	M5H51T25C	M6H39T28C	M7H38T32C	M8H79T32C
M2H51T18C	M3H29T21C	M4H74T21C	M5H60T25C	M6H45T28C	M7H44T32C	M8H27T36C
M2H58T18C	M3H32T21C	M4H18T25C	M5H65T25C	M6H50T28C	M7H51T32C	M8H31T36C
M2H66T18C	M3H35T21C	M4H22T25C	M5H72T25C	M6H52T28C	M7H58T32C	M8H34T36C
M2H71T18C	M3H38T21C	M4H26T25C	M5H25T28C	M6H59T28C	M7H67T32C	M8H40T36C
M2H77T18C	M3H44T21C	M4H30T25C	M5H29T28C	M6H67T28C	M7H67T32TSC	M8H46T36C
M2H18T21C	M3H47T21C	M4H34T25C	M5H34T28C	M6H67T28TSC	M7H76T32TSC	M8H51T36C
M2H21T21C	M3H51T21C	M4H41T25C	M5H40T28C	M6H79T28TSC	M7H19T36C	M8H53T36C
M2H25T21C	M3H58T21C	M4H44T25C	M5H43T28C	M6H22T32C	M7H22T36C	M8H60T36C
M2H30T21C	M3H65T21C	M4H49T25C	M5H48T28C	M6H24T32C	M7H26T36C	M8H53T36TSC
M2H32T21C	M3H17T25C	M4H52T25C	M5H51T28C	M6H29T32C	M7H29T36C	M8H60T36TSC
M2H36T21C	M3H21T25C	M4H61T25C	M5H43T28TSC	M6H34T32C	M7H33T36C	M8H69T36TSC
M2H39T21C	M3H25T25C	M4H66T25C	M5H48T28TSC	M6H39T32C	M7H38T36C	M8H79T36TSC
M2H44T21C	M3H29T25C	M4H74T25C	M5H51T28TSC	M6H39T32TSC	M7H44T36C	M8H17T405C
M2H47T21C	M3H32T25C	M4H18T28C	M5H60T28TSC	M6H45T32TSC	M7H38T36TSC	M8H23T405C
M2H51T21C	M3H35T25C	M4H22T28C	M5H65T28TSC	M6H50T32TSC	M7H44T36TSC	M8H27T405C
M2H58T21C	M3H38T25C	M4H26T28C	M5H72T28TSC	M6H52T32TSC	M7H51T36TSC	M8H31T405C
M2H66T21C	M3H44T25C	M4H22T28TSC	M5H18T32C	M6H59T32TSC	M7H58T36TSC	M8H34T405C
M2H71T21C	M3H47T25C	M4H26T28TSC	M5H21T32C	M6H67T32TSC	M7H67T36TSC	M8H31T405TSC
M2H77T21C	M3H51T25C	M4H30T28TSC	M5H25T32C	M6H79T32TSC	M7H19T405C	M8H34T405TSC
M2H18T25C	M3H17T28TSC	M4H34T28TSC	M5H29T32C	M6H19T36C	M7H22T405C	M8H40T405TSC
M2H21T25C	M3H21T28TSC	M4H41T28TSC	M5H18T32TSC	M6H22T36C	M7H26T405TSC	M8H46T405TSC
M2H25T25C	M3H25T28TSC	M4H44T28TSC	M5H21T32TSC	M6H24T36C	M7H29T405TSC	M8H51T405TSC
M2H30T25C	M3H29T28TSC	M4H49T28TSC	M5H25T32TSC	M6H22T36TSC	M7H33T405TSC	M8H53T405TSC
M2H32T25C	—	M4H52T28TSC	M5H29T32TSC	M6H24T36TSC	M7H38T405TSC	M8H60T405TSC
M2H36T25C	—	M4H18T32TSC	M5H34T32TSC	M6H29T36TSC	M7H44T405TSC	M8H69T405TSC
—	—	M4H22T32TSC	M5H40T32TSC	M6H34T36TSC	—	—
—	—	M4H26T32TSC	M5H43T32TSC	M6H39T36TSC	—	—
—	—	M4H30T32TSC	M5H48T32TSC	M6H45T36TSC	—	—
—	—	M4H34T32TSC	M5H51T32TSC	M6H50T36TSC	—	—
—	—	—	M5H60T32TSC	M6H52T36TSC	—	—
—	—	—	M5H18T36C	—	—	—
—	—	—	M5H18T36TSC	—	—	—
—	—	—	M5H25T36TSC	—	—	—
—	—	—	M5H29T36TSC	—	—	—
—	—	—	M5H34T36TSC	—	—	—

Note: Use EZ-Selection Charts and verify REQUIRED base C-Face Motor Speed before ordering

MTA2 through MTA8 Nomenclature and Descriptions

MTA C-Face Gearmotor Nomenclature
M6H67T28C2518 TORQUE ARM REDUCER & MOTOR

M - Motorized Torque-Arm
6 - Case Size, **H** - Heavy Duty,
67 - NominalRatio, **T** - Tapered Bore
28 - 280 - Motor Frame, C - Nema - C-Face, (TSC - accomodates Nema TS short shaft frame, 2 pole, 280 frame and above)
25 - 25HP Motor, **18** - 1800 Rpm Motor Speed

Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
M2H66T18C318	M3H51T18C518	M4H61T21C718	M5H65T21C1018	M6H67T25C1518	M7H67T28C2518	M8H79T28C3018
M2H47T18C318	M3H58T18C518	M4H66T21C718	M5H72T21C1018	M6H79T25C1518	M7H76T28C2518	M8H60T32C4018
M2H51T18C318	M3H65T18C518	M4H74T21C718	M5H48T25C1518	M6H52T25C2018	M7H51T28C3018	M8H69T32C4018
M2H71T18C318	M3H70T18C518	M4H41T21C1018	M5H51T25C1518	M6H59T25C2018	M7H58T28C3018	M8H51T32C5018
M2H77T18C318	M3H76T18C518	M4H44T21C1018	M5H60T25C1518	M6H79T25C2018	M7H76T28C3018	M8H53T32C5018
M2H30T18C518	M3H38T21C718	M4H49T21C1018	M5H72T25C1518	M6H45T28C2518	M7H38T32C4018	M8H69T32C5018
M2H32T18C518	M3H44T21C718	M4H52T21C1018	M5H40T25C2018	M6H50T28C2518	M7H44T32C4018	M8H79T32C5018
M2H36T18C518	M3H47T21C718	M4H61T21C1018	M5H43T25C2018	M6H52T28C2518	M7H58T32C4018	M8H40T36C6018
M2H39T18C518	M3H58T21C718	M4H66T21C1018	M5H60T25C2018	M6H67T28C2518	M7H67T32C4018	M8H46T36C6018
M2H44T18C518	M3H65T21C718	M4H74T21C1018	M5H65T25C2018	M6H34T28C3018	M7H76T32TSC4036	M8H53T36C6018
M2H51T18C518	M3H25T21C1018	M4H74T21C1036	M5H34T28C2518	M6H39T28C3018	M7H51T32C5018	M8H60T36C6018
M2H58T18C518	M3H29T21C1018	M4H30T25C1518	M5H48T28C2518	M6H45T28C3018	M7H33T32C5018	M8H79T36TSC6036
M2H66T18C536	M3H32T21C1018	M4H34T25C1518	M5H51T28C2518	M6H50T28C3018	M7H67T32TSC5036	M8H27T36C7518
M2H21T21C718	M3H35T21C1018	M4H41T25C1518	M5H65T28TSC2536	M6H52T28C3018	M7H26T36C6018	M8H31T36C7518
M2H25T21C718	M3H38T21C1018	M4H44T25C1518	M5H72T28TSC2536	M6H59T28C3018	M7H29T36C6018	M8H34T36C7518
M2H32T21C718	M3H44T21C1018	M4H49T25C1518	M5H25T28C3018	M6H67T28TSC3036	M7H38T36C6018	M8H40T36C7518
M2H36T21C718	M3H47T21C1018	M4H52T25C1518	M5H29T28C3018	M6H79T28TSC3036	M7H44T36C6018	M8H46T36C7518
M2H39T21C718	M3H51T21C1018	M4H52T25C1536	M5H34T28C3018	M6H29T32C4018	M7H51T36TSC6036	M8H51T36C7518
M2H44T21C718	M3H51T21C1036	M4H61T25C1536	M5H40T28C3018	M6H39T32C4018	M7H58T36TSC6036	M8H53T36TSC7536
M2H44T21C736	M3H65T21C1036	M4H66T25C1536	M5H43T28C3018	M6H50T32TSC4036	M7H76T36TSC6036	M8H60T36TSC7536
M2H47T21C736	M3H47T21C1036	M4H18T25C2018	M5H43T28TSC3036	M6H52T32TSC4036	M7H19T36C7518	M8H69T36TSC7536
M2H51T21C736	M3H17T25C1518	M4H22T25C2018	M5H48T28TSC3036	M6H59T32TSC4036	M7H22T36C7518	M8H79T36TSC7536
M2H66T21C736	M3H21T25C1518	M4H26T25C2018	M5H51T28TSC3036	M6H79T32TSC4036	M7H26T36C7518	M8H17T405C10018
M2H18T21C1018	M3H25T25C1518	M4H30T25C2018	M5H60T28TSC3036	M6H22T32C5018	M7H29T36C7518	M8H23T405C10018
M2H21T21C1018	M3H29T25C1518	M4H34T25C2018	M5H65T28TSC3036	M6H24T32C5018	M7H33T36C7518	M8H27T405C10018
M2H25T21C1018	M3H32T25C1518	M4H41T25C2036	M5H72T28TSC3036	M6H29T32C5018	M7H38T36TSC7536	M8H31T405C10018
M2H30T21C1018	M3H32T25C1536	M4H44T25C2036	M5H18T32C4018	M6H34T32C5018	M7H44T36TSC7536	M8H34T405C10018
M2H39T21C1036	M3H35T25C1536	M4H49T25C2036	M5H21T32C4018	M6H39T32TSC5036	M7H51T36TSC7536	—
M2H44T21C1036	M3H38T25C1536	M4H61T25C2036	M5H29T32C4018	M6H45T32TSC5036	M7H58T36TSC7536	—
M2H47T21C1036	M3H44T25C1536	M4H66T25C2036	M5H29T32TSC4036	M6H59T32TSC5036	M7H67T36TSC7536	—
M2H51T21C1036	M3H47T25C1536	M4H74T25C2036	M5H34T32TSC4036	M6H67T32TSC5036	M7H19T405C10018	—
M2H18T25C1518	M3H51T25C1536	M4H18T28C2518	M5H40T32TSC4036	M6H19T36C6018	M7H22T405C10018	—
M2H18T25C1536	M3H17T25C2018	M4H26T28C2518	M5H51T32TSC4036	M6H22T36C6018	—	—
M2H25T25C1536	M3H21T25C2018	M4H34T28TSC2536	M5H60T32TSC4036	M6H24T36C6018	—	—
M2H30T25C1536	M3H25T25C2036	M4H49T28TSC2536	M5H21T32C5018	M6H34T36TSC6036	—	—
M2H32T25C1536	M3H29T25C2036	M4H52T28TSC2536	M5H25T32C5018	M6H45T36TSC6036	—	—
M2H36T25C1536	M3H32T25C2036	M4H18T28C3018	M5H18T32TSC5036	M6H50T36TSC6036	—	—
M2H18T25C2018	M3H35T25C2036	M4H22T28C3018	M5H21T32TSC5036	M6H52T36TSC6036	—	—
M2H18T25C2036	M3H38T25C2036	M4H22T28TSC3036	M5H25T32TSC5036	M6H19T36C7518	—	—
M2H21T25C2036	M3H44T25C2036	M4H26T28TSC3036	M5H40T32TSC5036	M6H22T36TSC7536	—	—
—	M3H17T28TSC2536	M4H30T28TSC3036	M5H43T32TSC5036	M6H24T36TSC7536	—	—
—	M3H21T28TSC2536	M4H34T28TSC3036	M5H48T32TSC5036	M6H29T36TSC7536	—	—
—	M3H29T28TSC2536	M4H41T28TSC3036	M5H18T36C6018	M6H34T36TSC7536	—	—
—	M3H17T28TSC3036	M4H44T28TSC3036	M5H29T36TSC6036	M6H39T36TSC7536	—	—
—	M3H21T28TSC3036	M4H18T32TSC4036	M5H34T36TSC6036	—	—	—
—	M3H25T28TSC3036	M4H26T32TSC4036	M5H18T36TSC7536	—	—	—
—	—	M4H30T32TSC4036	M5H21T36TSC7536	—	—	—
—	—	M4H34T32TSC4036	M5H25T36TSC7536	—	—	—
—	—	M4H18T32TSC5036	—	—	—	—
—	—	M4H22T32TSC5036	—	—	—	—

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	Nema180TC		Nema210TC		Nema250TC	
		1750	3450	1750	3450	1750	3450
76.96	Output rpm	23	45	23	45	23	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	25	48	25	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	26	52	26	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	30	59	30	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	34	67	34	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	37	73	37	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	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	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	49	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	54	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	59	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	70	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	82	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

MTA Engineering Information

MTA3 Horsepower and Torque Ratings

MTA3203

Ratio	Mtr speed	Nema180TC		Nema210TC		Nema250TC		Nema280TC / 280TSC	
		1750	3450	1750	3450	1750	3450	1750	3450
76.02	Output rpm	23	45	23	45	23	45	23	45
	Class I catalog HP	7.1	13.0	—	13.0	—	—	—	—
	Class I torque in-lbs	17020	16463	—	—	—	—	—	—
	Part Number	M3H76T18C	M3H76T18C	—	M3H76T21C	—	—	—	—
70.30	Output rpm	25	49	25	49	25	49	25	49
	Class I catalog HP	7.4	14.1	—	14.1	—	—	—	—
	Class I torque in-lbs	17020	16311	—	16311	—	—	—	—
	Part Number	M3H70T18C	M3H70T18C	—	M3H70T21C	—	—	—	—
65.26	Output rpm	27	53	27	53	27	53	27	53
	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	—	—	—	—
57.58	Output rpm	30	60	30	60	30	60	30	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	—	—
	Part Number	M3H58T18C	M3H58T18C	M3H58T21C	M3H58T21C	—	M3H58T25C	—	—
50.68	Output rpm	35	68	35	68	35	68	35	68
	Class I catalog HP	10.1	17.7	10.1	17.7	—	17.7	—	—
	Class I torque in-lbs	16940	15444	16940	15444	—	15444	—	—
	Part Number	M3H51T18C	M3H51T18C	M3H51T21C	M3H51T21C	—	M3H51T25C	—	—
46.87	Output rpm	37	74	37	74	37	74	37	74
	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	—	—
43.51	Output rpm	40	79	40	79	40	79	40	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	—	—
	Part Number	M3H44T18C	M3H44T18C	M3H44T21C	M3H44T21C	—	M3H44T25C	—	—
38.39	Output rpm	46	90	46	90	46	90	46	90
	Class I catalog HP	13.1	23.1	13.1	23.1	—	23.1	—	—
	Class I torque in-lbs	16463	14720	16463	14720	—	14720	—	—
	Part Number	M3H38T18C	M3H38T18C	M3H38T21C	M3H38T21C	—	M3H38T25C	—	—
35.44	Output rpm	49	97	49	97	49	97	49	97
	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	—	—
31.75	Output rpm	55	109	55	109	55	109	55	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
	Part Number	M3H32T18C	M3H32T18C	M3H32T21C	M3H32T21C	M3H32T25C	M3H32T25C	—	M3H32T28TSC
29.28	Output rpm	60	118	60	118	60	118	60	118
	Class I catalog HP	16.4	28.7	16.4	28.7	16.4	28.7	—	28.7
	Class I torque in-lbs	15778	14022	15778	14022	15778	14022	—	14022
	Part Number	M3H29T18C	M3H29T18C	M3H29T21C	M3H29T21C	M3H29T25C	M3H29T25C	—	M3H29T28TSC
24.57	Output rpm	71	140	71	140	71	140	71	140
	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
20.96	Output rpm	83	165	83	165	83	165	83	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
	Part Number	M3H21T18C	M3H21T18C	M3H21T21C	M3H21T21C	M3H21T25C	M3H21T25C	—	M3H21T28TSC
17.46	Output rpm	100	198	100	198	100	198	100	198
	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	14450	11933	14450	11933	14450	11933	14450	11933
	Part Number	M3H17T18C	M3H17T18C	M3H17T21C	M3H17T21C	M3H17T25C	M3H17T25C	M3H17T28C	M3H17T28TSC

MTA Engineering Information

MTA4 Horsepower and Torque Ratings

MTA4207

Ratio	Mtr speed	Nema180TC		Nema210TC		Nema250TC		Nema280TC / 280TSC		Nema320TSC	
		1750	3450	1750	3450	1750	3450	1750	3450	1750	3450
73.57	Output rpm	24	47	24	47	24	47	24	47	24	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	26	52	26	52	26	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	29	57	29	57	29	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	34	67	34	67
	Class I catalog HP	15.6	27.6	15.6	27.6	15.6	27.6	—	27.6	—	—
	Class I torque in-lbs	26421	24049	26421	24049	26421	24049	—	24049	—	—
	Part Number	M4H52T18C	M4H52T18C	M4H52T21C	M4H52T21C	M4H52T25C	M4H52T25C	—	M4H52T28TSC	—	—
49.04	Output rpm	36	70	36	70	36	70	36	70	36	70
	Class I catalog HP	16.4	29.0	16.4	29.0	16.4	29.0	—	29.0	—	—
	Class I torque in-lbs	26217	23849	26217	23849	26217	23849	—	23849	—	—
	Part Number	M4H49T18C	M4H49T18C	M4H49T21C	M4H49T21C	M4H49T25C	M4H49T25C	—	M4H49T28TSC	—	—
44.11	Output rpm	40	78	40	78	40	78	40	78	40	78
	Class I catalog HP	18.0	31.8	18.0	31.8	18.0	31.8	—	31.8	—	—
	Class I torque in-lbs	25870	23460	25870	23460	25870	23460	—	23460	—	—
	Part Number	M4H44T18C	M4H44T18C	M4H44T21C	M4H44T21C	M4H44T25C	M4H44T25C	—	M4H44T28TSC	—	—
40.70	Output rpm	43	85	43	85	43	85	43	85	43	85
	Class I catalog HP	19.0	33.9	19.0	33.9	19.0	33.9	—	33.9	—	—
	Class I torque in-lbs	25600	23198	25600	23198	25600	23198	—	23198	—	—
	Part Number	M4H41T18C	M4H41T18C	M4H41T21C	M4H41T21C	M4H41T25C	M4H41T25C	—	M4H41T28TSC	—	—
34.48	Output rpm	51	100	51	100	51	100	51	100	51	100
	Class I catalog HP	21.8	39.3	21.8	39.3	21.8	39.3	—	39.3	—	39.3
	Class I torque in-lbs	25059	22592	25059	22592	25059	22592	—	22592	—	22592
	Part Number	M4H34T18C	M4H34T18C	M4H34T21C	M4H34T21C	M4H34T25C	M4H34T25C	—	M4H34T28TSC	—	M4H34T32TSC
30.05	Output rpm	58	115	58	115	58	115	58	115	58	115
	Class I catalog HP	24.7	42.8	24.7	42.8	24.7	42.8	—	42.8	—	42.8
	Class I torque in-lbs	24514	21577	24514	21577	24514	21577	—	21577	—	21577
	Part Number	M4H30T18C	M4H30T18C	M4H30T21C	M4H30T21C	M4H30T25C	M4H30T25C	—	M4H30T28TSC	—	M4H30T32TSC
25.57	Output rpm	68	135	68	135	68	135	68	135	68	135
	Class I catalog HP	28.3	47.4	28.3	47.4	28.3	47.4	28.3	47.4	—	47.4
	Class I torque in-lbs	23946	20336	23946	20336	23946	20336	23946	20336	—	20336
	Part Number	M4H26T18C	M4H26T18C	M4H26T21C	M4H26T21C	M4H26T25C	M4H26T25C	M4H26T28C	M4H26T28TSC	—	M4H26T32TSC
21.82	Output rpm	80	158	80	158	80	158	80	158	80	158
	Class I catalog HP	32.5	52.9	32.5	52.9	32.5	52.9	32.5	52.9	—	52.9
	Class I torque in-lbs	23375	19268	23375	19268	23375	19268	23375	19268	—	19268
	Part Number	M4H22T18C	M4H22T18C	M4H22T21C	M4H22T21C	M4H22T25C	M4H22T25C	M4H22T28C	M4H22T28TSC	—	M4H22T32TSC
17.89	Output rpm	98	193	98	193	98	193	98	193	98	193
	Class I catalog HP	38.6	59.3	38.6	59.3	38.6	59.3	38.6	59.3	—	59.3
	Class I torque in-lbs	22660	17747	22660	17747	22660	17747	22660	17747	—	17747
	Part Number	M4H18T18C	M4H18T18C	M4H18T21C	M4H18T21C	M4H18T25C	M4H18T25C	M4H18T28C	M4H18T28TSC	—	M4H18T32TSC

MTA Engineering Information

MTA5 Horsepower and Torque Ratings

MTA5215

Ratio	Mtr speed	Nema180TC		Nema210TC		Nema250TC		Nema280TC / 280TSC		Nema320TC / 320TSC		Nema360TC / 360TSC	
		1750	3450	1750	3450	1750	3450	1750	3450	1750	3450	1750	3450
71.98	Output rpm	24	48	24	48	24	48	24	48	24	48	24	48
	Class I catalog HP	19.2	35.8	19.2	35.8	19.2	35.8	—	35.8	—	—	—	—
	Class I torque in-lbs	45078	43120	45078	43120	45078	43120	—	43120	—	—	—	—
	Part Number	M5H72T18C	M5H72T18C	M5H72T21C	M5H72T21C	M5H72T25C	M5H72T25C	—	M5H72T28TSC	—	—	—	—
64.74	Output rpm	27	53	27	53	27	53	27	53	27	53	27	53
	Class I catalog HP	20.8	39.5	20.8	39.5	20.8	39.5	—	39.5	—	—	—	—
	Class I torque in-lbs	44903	42605	44903	42605	44903	42605	—	42605	—	—	—	—
	Part Number	M5H65T18C	M5H65T18C	M5H65T21C	M5H65T21C	M5H65T25C	M5H65T25C	—	M5H65T28TSC	—	—	—	—
59.73	Output rpm	29	58	29	58	29	58	29	58	29	58	29	58
	Class I catalog HP	23.0	42.9	23.0	42.9	23.0	42.9	—	42.9	—	42.9	—	—
	Class I torque in-lbs	44821	42323	44821	42323	44821	42323	—	42323	—	42323	—	—
	Part Number	M5H60T18C	M5H60T18C	M5H60T21C	M5H60T21C	M5H60T25C	M5H60T25C	—	M5H60T28TSC	—	M5H60T32TSC	—	—
50.61	Output rpm	35	68	35	68	35	68	35	68	35	68	35	68
	Class I catalog HP	26.7	49.7	26.7	49.7	26.7	49.7	26.7	49.7	—	49.7	—	—
	Class I torque in-lbs	44206	41713	44206	41713	44206	41713	44206	41713	—	41713	—	—
	Part Number	M5H51T18C	M5H51T18C	M5H51T21C	M5H51T21C	M5H51T25C	M5H51T25C	M5H51T28C	M5H51T28TSC	—	M5H51T32TSC	—	—
47.99	Output rpm	36	72	36	72	36	72	36	72	36	72	36	72
	Class I catalog HP	28.2	51.8	28.2	51.8	28.2	51.8	28.2	51.8	—	51.8	—	—
	Class I torque in-lbs	44012	41491	44012	41491	44012	41491	44012	41491	—	41491	—	—
	Part Number	M5H48T18C	M5H48T18C	M5H48T21C	M5H48T21C	M5H48T25C	M5H48T25C	M5H48T28C	M5H48T28TSC	—	M5H48T32TSC	—	—
43.16	Output rpm	41	80	41	80	41	80	41	80	41	80	41	80
	Class I catalog HP	31.1	57.1	31.1	57.1	31.1	57.1	31.1	57.1	—	57.1	—	—
	Class I torque in-lbs	43712	41080	43712	41080	43712	41080	43712	41080	—	41080	—	—
	Part Number	M5H43T18C	M5H43T18C	M5H43T21C	M5H43T21C	M5H43T25C	M5H43T25C	M5H43T28C	M5H43T28TSC	—	M5H43T32TSC	—	—
39.82	Output rpm	44	87	44	87	44	87	44	87	44	87	44	87
	Class I catalog HP	32.9	60.1	32.9	60.1	32.9	60.1	32.9	60.1	—	60.1	—	60.1
	Class I torque in-lbs	39450	43340	39450	43340	39450	43340	39450	43340	—	43340	—	43340
	Part Number	M5H40T18C	M5H40T18C	M5H40T21C	M5H40T21C	M5H40T25C	M5H40T25C	M5H40T28C	M5H40T28TSC	—	M5H40T32TSC	—	M5H40T36TSC
33.74	Output rpm	52	102	52	102	52	102	52	102	52	102	52	102
	Class I catalog HP	38.8	65.7	38.8	65.7	38.8	65.7	38.8	65.7	—	65.7	—	65.7
	Class I torque in-lbs	42734	36628	42734	36628	42734	36628	42734	36628	—	36628	—	36628
	Part Number	M5H34T18C	M5H34T18C	M5H34T21C	M5H34T21C	M5H34T25C	M5H34T25C	M5H34T28C	M5H34T28TSC	—	M5H34T32TSC	—	M5H29T36TSC
29.41	Output rpm	60	117	60	117	60	117	60	117	60	117	60	117
	Class I catalog HP	43.6	70.9	43.6	70.9	43.6	70.9	43.6	70.9	43.6	70.9	—	70.9
	Class I torque in-lbs	42205	34306	42205	34306	42205	34306	42205	34306	42205	34306	—	34306
	Part Number	M5H29T18C	M5H29T18C	M5H29T21C	M5H29T21C	M5H29T25C	M5H29T25C	M5H29T28C	M5H29T28TSC	M5H29T32C	M5H29T32TSC	—	M5H29T36TSC
25.05	Output rpm	70	138	70	138	70	138	70	138	70	138	70	138
	Class I catalog HP	50.4	77.6	50.4	77.6	50.4	77.6	50.4	77.6	50.4	77.6	—	77.6
	Class I torque in-lbs	41608	32014	41608	32014	41608	32014	41608	32014	41608	32014	—	32014
	Part Number	M5H25T18C	M5H25T18C	M5H25T21C	M5H25T21C	M5H25T25C	M5H25T25C	M5H25T28C	M5H25T28TSC	M5H25T32C	M5H25T32TSC	—	M5H25T36TSC
21.35	Output rpm	82	162	82	162	82	162	82	162	82	162	82	162
	Class I catalog HP	58.4	81.2	58.4	81.2	58.4	81.2	58.4	81.2	58.4	81.2	—	81.2
	Class I torque in-lbs	40566	28448	40566	28448	40566	28448	40566	28448	40566	28448	—	28448
	Part Number	M5H21T18C	M5H21T18C	M5H21T21C	M5H21T21C	M5H21T25C	M5H21T25C	M5H21T28C	M5H21T28TSC	M5H21T32C	M5H21T32TSC	—	M5H21T36TSC
17.50	Output rpm	100	197	100	197	100	197	100	197	100	197	100	197
	Class I catalog HP	65.0	85.3	65.0	85.3	65.0	85.3	65.0	85.3	65.0	85.3	65.0	85.3
	Class I torque in-lbs	36974	24363	36974	24363	36974	24363	36974	24363	36974	24363	36974	24363
	Part Number	M5H18T18C	M5H18T18C	M5H18T21C	M5H18T21C	M5H18T25C	M5H18T25C	M5H18T28C	M5H18T28TSC	M5H18T32C	M5H18T32TSC	M5H18T36C	M5H18T36TSC

MTA Engineering Information

MTA6 Horsepower and Torque Ratings

MTA6307

Ratio	Mtr speed	Nema210TC		Nema250TC		Nema280TC / 280TSC		Nema320TC / 320TSC		Nema360TC / 360TSC	
		1750	3450	1750	3450	1750	3450	1750	3450	1750	3450
78.53	Output rpm	22	44	22	44	22	44	22	44	22	44
	Class I catalog HP	23.6	44.7	23.6	44.7	23.6	44.7	—	44.7	—	—
	Class I torque in-lbs	61675	58420	61675	58420	61675	58420	—	58420	—	—
	Part Number	M6H79T21C	M6H79T21C	M6H79T25C	M6H79T25C	M6H79T28C	M6H79T28TSC	—	M6H79T32TSC	—	—
66.92	Output rpm	26	52	26	52	26	52	26	52	26	52
	Class I catalog HP	27.5	52.1	27.5	52.1	27.5	52.1	—	52.1	—	—
	Class I torque in-lbs	60887	57598	60887	57598	60887	57598	—	57598	—	—
	Part Number	M6H67T21C	M6H67T21C	M6H67T25C	M6H67T25C	M6H67T28C	M6H67T28TSC	—	M6H67T32TSC	—	—
59.05	Output rpm	30	58	30	58	30	58	30	58	30	58
	Class I catalog HP	31.5	57.5	31.5	57.5	31.5	57.5	—	57.5	—	—
	Class I torque in-lbs	60309	57038	60309	57038	60309	57038	—	57038	—	—
	Part Number	M6H59T21C	M6H59T21C	M6H59T25C	M6H59T25C	M6H59T28C	M6H59T28TSC	—	M6H59T32TSC	—	—
52.35	Output rpm	33	66	33	66	33	66	33	66	33	66
	Class I catalog HP	34.3	64.7	34.3	64.7	34.3	64.7	—	64.7	—	64.7
	Class I torque in-lbs	59800	56359	59800	56359	59800	56359	—	56359	—	56359
	Part Number	M6H52T21C	M6H52T21C	M6H52T25C	M6H52T25C	M6H52T28C	M6H52T28TSC	—	M6H52T32TSC	—	M6H52T36TSC
50.26	Output rpm	35	69	35	69	35	69	35	69	35	69
	Class I catalog HP	36.2	67.3	36.2	67.3	36.2	67.3	—	67.3	—	67.3
	Class I torque in-lbs	59500	56100	59500	56100	59500	56100	—	56100	—	56100
	Part Number	M6H50T21C	M6H50T21C	M6H50T25C	M6H50T25C	M6H50T28C	M6H50T28TSC	—	M6H50T32TSC	—	M6H50T36TSC
44.61	Output rpm	39	77	39	77	39	77	39	77	39	77
	Class I catalog HP	39.8	74.4	39.8	74.4	39.8	74.4	—	74.4	—	74.4
	Class I torque in-lbs	59050	55500	59050	55500	59050	55500	—	55500	—	55500
	Part Number	M6H45T21C	M6H45T21C	M6H45T25C	M6H45T25C	M6H45T28C	M6H45T28TSC	—	M6H45T32TSC	—	M6H45T36TSC
39.37	Output rpm	44	88	44	88	44	88	44	88	44	88
	Class I catalog HP	44.7	83.0	44.7	83.0	44.7	83.0	44.7	83.0	—	83.0
	Class I torque in-lbs	58420	54219	58420	54219	58420	54219	58420	54219	—	54219
	Part Number	M6H39T21C	M6H39T21C	M6H39T25C	M6H39T25C	M6H39T28C	M6H39T28TSC	M6H39T32C	M6H39T32TSC	—	M6H39T36TSC
33.51	Output rpm	52	103	52	103	52	103	52	103	52	103
	Class I catalog HP	52.1	94.2	52.1	94.2	52.1	94.2	52.1	94.2	—	94.2
	Class I torque in-lbs	57598	52600	57598	52600	57598	52600	57598	52600	—	52600
	Part Number	M6H34T21C	M6H34T21C	M6H34T25C	M6H34T25C	M6H34T28C	M6H34T28TSC	M6H34T32C	M6H34T32TSC	—	M6H34T36TSC
29.03	Output rpm	60	119	60	119	60	119	60	119	60	119
	Class I catalog HP	59.4	106.0	59.4	106.0	59.4	106.0	59.4	106.0	—	106.0
	Class I torque in-lbs	56877	51200	56877	51200	56877	51200	56877	51200	—	51200
	Part Number	M6H29T21C	M6H29T21C	M6H29T25C	M6H29T25C	M6H29T28C	M6H29T28TSC	M6H29T32C	M6H29T32TSC	—	M6H29T36TSC
24.43	Output rpm	72	141	72	141	72	141	72	141	72	141
	Class I catalog HP	69.8	119.8	69.8	119.8	69.8	119.8	69.8	119.8	69.8	119.8
	Class I torque in-lbs	55995	48900	55995	48900	55995	48900	55995	48900	55995	48900
	Part Number	M6H24T21C	M6H24T21C	M6H24T25C	M6H24T25C	M6H24T28C	M6H24T28TSC	M6H24T32C	M6H24T32TSC	M6H24T36C	M6H24T36TSC
22.04	Output rpm	79	157	79	157	79	157	79	157	79	157
	Class I catalog HP	76.0	129.0	76.0	129.0	76.0	129.0	76.0	129.0	76.0	129.0
	Class I torque in-lbs	55400	47290	55400	47290	55400	47290	55400	47290	55400	47290
	Part Number	M6H22T21C	M6H22T21C	M6H22T25C	M6H22T25C	M6H22T28C	M6H22T28TSC	M6H22T32C	M6H22T32TSC	M6H22T36C	M6H22T36TSC
18.95	Output rpm	92	182	92	182	92	182	92	182	92	182
	Class I catalog HP	86.0	—	86.0	—	86.0	—	86.0	—	86.0	—
	Class I torque in-lbs	53743	—	53743	—	53743	—	53743	—	53743	—
	Part Number	M6H19T21C	—	M6H19T25C	—	M6H19T28C	—	M6H19T32C	—	M6H19T36C	—

MTA Engineering Information

MTA7 Horsepower and Torque Ratings

MTA7315

Ratio	Mtr speed	Nema210TC		Nema250TC		Nema280TC / 280TSC		Nema320TC / 320TSC		Nema360TC / 360TSC		Nema405TC / 405TSC	
		1750	3450	1750	3450	1750	3450	1750	3450	1750	3450	1750	3450
76.46	Output rpm	23	45	23	45	23	45	23	45	23	45	23	45
	Class I catalog HP	36.7	69.6	36.7	69.6	36.7	69.6	—	69.6	—	69.6	—	—
	Class I torque in-lbs	92264	87200	92264	87200	92264	87200	—	87200	—	87200	—	—
	Part Number	M7H76T21C	M7H76T21C	M7H76T25C	M7H76T25C	M7H76T28C	M7H76T28TSC	—	M7H76T32TSC	—	M7H76T36TSC	—	—
66.57	Output rpm	26	52	26	52	26	52	26	52	26	52	26	52
	Class I catalog HP	41.7	78.1	41.7	78.1	41.7	78.1	41.7	78.1	—	78.1	—	—
	Class I torque in-lbs	91073	86100	91073	86100	91073	86100	91073	86100	—	86100	—	—
	Part Number	M7H67T21C	M7H67T21C	M7H67T25C	M7H67T25C	M7H67T28C	M7H67T28TSC	M7H67T32C	M7H67T32TSC	—	M7H67T36TSC	—	—
57.58	Output rpm	30	60	30	60	30	60	30	60	30	60	30	60
	Class I catalog HP	47.3	88.7	47.3	88.7	47.3	88.7	47.3	88.7	—	88.7	—	—
	Class I torque in-lbs	90199	85010	90199	85010	90199	85010	90199	85010	—	85010	—	—
	Part Number	M7H58T21C	M7H58T21C	M7H58T25C	M7H58T25C	M7H58T28C	M7H58T28TSC	M7H58T32C	M7H58T32TSC	—	M7H58T36TSC	—	—
50.97	Output rpm	34	68	34	68	34	68	34	68	34	68	34	68
	Class I catalog HP	53.8	98.7	53.8	98.7	53.8	98.7	53.8	98.7	—	98.7	—	—
	Class I torque in-lbs	89216	84004	89216	84004	89216	84004	89216	84004	—	84004	—	—
	Part Number	M7H51T21C	M7H51T21C	M7H51T25C	M7H51T25C	M7H51T28C	M7H51T28TSC	M7H51T32C	M7H51T32TSC	—	M7H51T36TSC	—	—
44.38	Output rpm	39	78	39	78	39	78	39	78	39	78	39	78
	Class I catalog HP	60.9	111.6	60.9	111.6	60.9	111.6	60.9	111.6	60.9	111.6	—	111.6
	Class I torque in-lbs	88110	82999	88110	82999	88110	82999	88110	82999	88110	82999	—	82999
	Part Number	M7H44T21C	M7H44T21C	M7H44T25C	M7H44T25C	M7H44T28C	M7H44T28TSC	M7H44T32C	M7H44T32TSC	M7H44T36C	M7H44T36TSC	—	M7H44T405TSC
38.39	Output rpm	46	90	46	90	46	90	46	90	46	90	46	90
	Class I catalog HP	69.0	127.6	69.0	127.6	69.0	127.6	69.0	127.6	69.0	127.6	—	127.6
	Class I torque in-lbs	87012	81445	87012	81445	87012	81445	87012	81445	87012	81445	—	81445
	Part Number	M7H38T21C	M7H38T21C	M7H38T25C	M7H38T25C	M7H38T28C	M7H38T28TSC	M7H38T32C	M7H38T32TSC	M7H38T36C	M7H38T36TSC	—	M7H38T405TSC
33.48	Output rpm	52	103	52	103	52	103	52	103	52	103	52	103
	Class I catalog HP	77.9	142.1	77.9	142.1	77.9	142.1	77.9	142.1	77.9	142.1	—	142.1
	Class I torque in-lbs	85900	78264	85900	78264	85900	78264	85900	78264	85900	78264	—	78264
	Part Number	M7H33T21C	M7H33T21C	M7H33T25C	M7H33T25C	M7H33T28C	M7H33T28TSC	M7H33T32C	M7H33T32TSC	M7H33T36C	M7H33T36TSC	—	M7H33T405TSC
28.65	Output rpm	61	120	61	120	61	120	61	120	61	120	61	120
	Class I catalog HP	90.1	162.1	90.1	162.1	90.1	162.1	90.1	162.1	90.1	162.1	—	162.1
	Class I torque in-lbs	84900	75233	84900	75233	84900	75233	84900	75233	84900	75233	—	75233
	Part Number	M7H29T21C	M7H29T21C	M7H29T25C	M7H29T25C	M7H26T29C	M7H26T29TSC	M7H29T32C	M7H29T32TSC	M7H29T36C	M7H29T36TSC	—	M7H29T405TSC
25.66	Output rpm	68	134	68	134	68	134	68	134	68	134	68	134
	Class I catalog HP	98.9	177.0	98.9	177.0	98.9	177.0	98.9	177.0	98.9	177.0	—	177.0
	Class I torque in-lbs	83900	72653	83900	72653	83900	72653	83900	72653	83900	72653	—	72653
	Part Number	M7H26T21C	M7H26T21C	M7H26T25C	M7H26T25C	M7H26T28C	M7H26T28TSC	M7H26T32C	M7H26T32TSC	M7H26T36C	M7H26T36TSC	—	M7H26T405TSC
21.74	Output rpm	80	159	80	159	80	159	80	159	80	159	80	159
	Class I catalog HP	114.7	—	114.7	—	114.7	—	114.7	—	114.7	—	114.7	—
	Class I torque in-lbs	82705	—	82705	—	82705	—	82705	—	82705	—	82705	—
	Part Number	M7H22T21C	—	M7H22T25C	—	M7H22T28C	—	M7H22T32C	—	M7H22T36C	—	M7H22T405C	—
18.77	Output rpm	93	184	93	184	93	184	93	184	93	184	93	184
	Class I catalog HP	129.4	—	129.4	—	129.4	—	129.4	—	129.4	—	129.4	—
	Class I torque in-lbs	80425	—	80425	—	80425	—	80425	—	80425	—	80425	—
	Part Number	M7H19T21C	—	M7H19T25C	—	M7H19T28C	—	M7H19T32C	—	M7H19T36C	—	M7H19T405C	—

MTA Engineering Information

MTA8 Horsepower and Torque Ratings

MTA8407

Ratio	Mtr speed	Nema250TC		Nema280TC / 280TSC		Nema320TC / 320TSC		Nema360TC / 360TSC		Nema405TC / 405TSC	
		1750	3450	1750	3450	1750	3450	1750	3450	1750	3450
78.80	Output rpm	22	44	22	44	22	44	22	44	22	44
	Class I catalog HP	50.8	94.3	50.8	94.3	50.8	94.3		94.3	—	—
	Class I torque in-lbs	131708	124715	131708	124715	131708	124715		124715	—	—
	Part Number	M8H79T25C	M8H79T25C	M8H79T28C	M8H79T28TSC	M8H79T32C	M8H79T32TSC		M8H79T36TSC	—	—
68.53	Output rpm	26	50	26	50	26	50	26	50	26	50
	Class I catalog HP	58.2	108.4	58.2	108.4	58.2	108.4		108.4	—	108.4
	Class I torque in-lbs	130018	123407	130018	123407	130018	123407		123407	—	123407
	Part Number	M8H69T25C	M8H69T25C	M8H69T28C	M8H69T28TSC	M8H69T32C	M8H69T32TSC		M8H69T36TSC	—	M8H69T405TSC
60.13	Output rpm	29	57	29	57	29	57	29	57	29	57
	Class I catalog HP	64.8	121.0	64.8	121.0	64.8	121.0	64.8	121.0	—	121.0
	Class I torque in-lbs	128779	121749	128779	121749	128779	121749	128779	121749	—	121749
	Part Number	M8H60T25C	M8H60T25C	M8H60T28C	M8H60T28TSC	M8H60T32C	M8H60T32TSC	M8H60T36C	M8H60T36TSC	—	M8H60T405TSC
52.53	Output rpm	33	66	33	66	33	66	33	66	33	66
	Class I catalog HP	74.6	136.0	74.6	136.0	74.6	136.0	74.6	136.0	—	136.0
	Class I torque in-lbs	127379	120296	127379	120296	127379	120296	127379	120296	—	120296
	Part Number	M8H53T25C	M8H53T25C	M8H53T28C	M8H53T28TSC	M8H53T32C	M8H53T32TSC	M8H53T36C	M8H53T36TSC	—	M8H53T405TSC
50.58	Output rpm	35	68	35	68	35	68	35	68	35	68
	Class I catalog HP	76.0	140.9	76.0	140.9	76.0	140.9	76.0	140.9	—	140.9
	Class I torque in-lbs	127250	119990	127250	119990	127250	119990	127250	119990	—	119990
	Part Number	M8H51T25C	M8H51T25C	M8H51T28C	M8H51T28TSC	M8H51T32C	M8H51T32TSC	M8H51T36C	M8H51T36TSC	—	M8H51T405TSC
45.69	Output rpm	38	76	38	76	38	76	38	76	38	76
	Class I catalog HP	84.1	154.8	84.1	154.8	84.1	154.8	84.1	154.8	—	154.8
	Class I torque in-lbs	126275	118900	126275	118900	126275	118900	126275	118900	—	118900
	Part Number	M8H46T25C	M8H46T25C	M8H46T28C	M8H46T28TSC	M8H46T32C	M8H46T32TSC	M8H46T36C	M8H46T36TSC	—	M8H46T405TSC
40.09	Output rpm	44	86	44	86	44	86	44	86	44	86
	Class I catalog HP	96.1	174.5	96.1	174.5	96.1	174.5	96.1	174.5	—	174.5
	Class I torque in-lbs	124850	117057	124850	117057	124850	117057	124850	117057	—	117057
	Part Number	M8H40T25C	M8H40T25C	M8H40T28C	M8H40T28TSC	M8H40T32C	M8H40T32TSC	M8H40T36C	M8H40T36TSC	—	M8H40T405TSC
33.90	Output rpm	52	102	52	102	52	102	52	102	52	102
	Class I catalog HP	109.9	203.6	109.9	203.6	109.9	203.6	109.9	203.6	109.9	203.6
	Class I torque in-lbs	122950	114665	122950	114665	122950	114665	122950	114665	122950	114665
	Part Number	M8H34T25C	M8H34T25C	M8H34T28C	M8H34T28TSC	M8H34T32C	M8H34T32TSC	M8H34T36C	M8H34T36TSC	M8H34T405C	M8H34T405TSC
30.76	Output rpm	57	112	57	112	57	112	57	112	57	112
	Class I catalog HP	120.2	220.5	120.2	220.5	120.2	220.5	120.2	220.5	120.2	220.5
	Class I torque in-lbs	122121	113281	122121	113281	122121	113281	122121	113281	122121	113281
	Part Number	M8H31T25C	M8H31T25C	M8H31T28C	M8H31T28TSC	M8H31T32C	M8H31T32TSC	M8H31T36C	M8H31T36TSC	M8H31T405C	M8H31T405TSC
26.82	Output rpm	65	129	65	129	65	129	65	129	65	129
	Class I catalog HP	135.9	—	135.9	—	135.9	—	135.9	—	135.9	—
	Class I torque in-lbs	120500	—	120500	—	120500	—	120500	—	120500	—
	Part Number	M8H27T25C	—	M8H27T28C	—	M8H27T32C	—	M8H27T36C	—	M8H27T405C	—
22.77	Output rpm	77	152	77	152	77	152	77	152	77	152
	Class I catalog HP	156.3	—	156.3	—	156.3	—	156.3	—	156.3	—
	Class I torque in-lbs	118690	—	118690	—	118690	—	118690	—	118690	—
	Part Number	M8H23T25C	—	M8H23T28C	—	M8H23T32C	—	M8H23T36C	—	M8H23T405C	—
17.43	Output rpm	100	198	100	198	100	198	100	198	100	198
	Class I catalog HP	201.5	—	201.5	—	201.5	—	201.5	—	201.5	—
	Class I torque in-lbs	114960	—	114960	—	114960	—	114960	—	114960	—
	Part Number	M8H17T25C	—	M8H17T28C	—	M8H17T32C	—	M8H17T36C	—	M8H17T405C	—

Class I EZ Selection HP & 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
	139	M2H25T18C	3450
	163	M2H21T18C	3450
	195	M2H18T18C	3450

Hp	Output RPM	Reducer	Motor RPM
5	23	M3H76T18C	1750
	25	M3H70T18C	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
	139	M2H25T18C	3450
	163	M2H21T18C	3450
	195	M2H18T18C	3450

Hp	Output RPM	Reducer	Motor RPM
7.5	24	M4H74T21C	1750
	26	M4H66T21C	1750
	27	M3H65T21C	1750
	30	M3H58T21C	1750
	35	M3H51T21C	1750
	37	M3H47T21C	1750
	40	M2H44T18C	1750
	45	M2H39T21C	1750
	49	M2H36T21C	1750
	52	M2H66T21C	3450
	54	M2H32T21C	1750
	59	M2H30T21C	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
	139	M2H25T21C	3450
	163	M2H21T21C	3450
	195	M2H18T21C	3450

Hp	Output RPM	Reducer	Motor RPM
10	24	M4H74T21C	1750
	26	M4H66T21C	1750
	29	M4H61T21C	1750
	34	M4H52T21C	1750
	35	M3H51T21C	1750
	37	M3H47T21C	1750
	40	M3H44T21C	1750
	46	M3H38T21C	1750
	49	M3H35T21C	1750
	53	M3H65T21C	3450
	55	M3H32T25C	1750
	59	M2H30T21C	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
	139	M2H25T21C	3450
	163	M2H21T21C	3450
	195	M2H18T21C	3450

* Consult Dodge Engineering for thermal considerations of application

Class I EZ Selection HP & 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
	139	M2H25T25C	3450
	163	M2H21T25C	3450
	195	M2H18T25C	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
	140	M3H25T25C	3450
	163	M2H21T25C	3450
	195	M2H18T25C	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
	118	M3H29T28TSC	3450
	140	M3H25T28TSC	3450
	165	M3H21T28TSC	3450
	198	M3H17T28TSC	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
	140	M3H25T28TSC	3450
	165	M3H21T28TSC	3450
	198	M3H17T28TSC	3450

* Consult Dodge Engineering for thermal considerations of application

Class I EZ Selection HP & Speed

Hp	Output RPM	Reducer	Motor RPM
		----	----
	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
40	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

Hp	Output RPM	Reducer	Motor RPM
		----	----
	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
50	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
	138	M5H25T32TSC*	3450
	158	M4H22T32TSC*	3450
	193	M4H18T32TSC*	3450

Hp	Output RPM	Reducer	Motor RPM
	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
60	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
	138	M5H25T36TSC*	3450
	162	M5H21T36TSC*	3450
	197	M5H18T36TSC*	3450

Hp	Output RPM	Reducer	Motor RPM
		----	----
	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
75	68	M7H51T36TSC	3450
	68	M7H26T36C	1750
	78	M7H44T36TSC	3450
	80	M7H22T36C	1750
	88	M6H39T36TSC*	3450
	92	M6H19T36C*	1750
	103	M6H34T36TSC*	3450
	119	M6H29T36TSC*	3450
	138	M5H25T36TSC*	3450
	162	M5H21T36TSC*	3450
	197	M5H18T36TSC*	3450

* Consult Dodge Engineering for thermal considerations of application

Class I EZ Selection HP & 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
	134	M7H26T405TSC*	3450

* Consult Dodge Engineering for thermal considerations of application

Class II EZ Selection HP & 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
	139	M2H25T18C	3450
	163	M2H21T18C	3450
	195	M2H18T18C	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
	139	M2H25T18C	3450
	163	M2H21T18C	3450
	195	M2H18T18C	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
	139	M2H25T21C	3450
	163	M2H21T21C	3450
	195	M2H18T21C	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
	139	M2H25T21C	3450
	163	M2H21T21C	3450
	195	M2H18T21C	3450

* Consult Dodge Engineering for thermal considerations of application

Class II EZ Selection HP & 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
	140	M3H25T25C	3450
	163	M2H21T25C	3450
	195	M2H18T25C	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
	118	M3H29T25C	3450
	140	M3H25T25C	3450
	165	M3H21T25C	3450
	198	M3H17T25C	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	M5H21T32C	1750
	87	M5H40T32TSC	3450
	98	M4H18T28C	1750
	100	M4H34T28TSC	3450
	115	M4H30T28TSC	3450
	135	M4H26T28TSC	3450
	158	M4H22T28TSC	3450
	165	M3H21T28TSC	3450
	198	M3H17T28TSC	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
	115	M4H30T28TSC	3450
	135	M4H26T28TSC	3450
	158	M4H22T28TSC	3450
	193	M4H18T28TSC	3450

* Consult Dodge Engineering for thermal considerations of application

Class II EZ Selection HP & 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
	138	M5H25T32TSC	3450
	162	M5H21T32TSC	3450
	193	M4H18T32TSC*	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
	138	M5H25T32TSC*	3450
	162	M5H21T32TSC*	3450
	197	M5H18T32TSC*	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
	141	M6H24T36TSC	3450
	157	M6H22T36TSC	3450
	182	M6H19T36TSC	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	M6H29T36TSC*	3450
	141	M6H24T36TSC*	3450
	157	M6H22T36TSC*	3450
	182	M6H19T36TSC	3450

* Consult Dodge Engineering for thermal considerations of application

Class II EZ Selection HP & 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
	103	M7H33T405TSC*	3450
	120	M7H29T405TSC*	3450
	134	M7H26T405TSC*	3450

* Consult Dodge Engineering for thermal considerations of application

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	M2H54T18C	M2H54T18C518	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
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

* Consult Dodge Engineering for thermal considerations of application

MTA EZ Selection Tables
Class 2, 1.4 Service Factor

MTA2115H CLASS 2

Output rpm	Ratio	Class 2 Mtr HP	Mtr 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	3	1750	M2H66T18C	M2H66T18C318	1.68
30	58.29	3	1750	M2H58T18C	M2H58T18C318	1.94
34	51.31	3	1750	M2H51T18C	M2H51T18C318	2.16
37	47.45	3	1750	M2H47T18C	M2H47T18C318	2.33
40	44.05	5	1750	M2H44T18C	M2H44T18C518	1.51
45	38.86	5	1750	M2H39T18C	M2H39T18C518	1.68
49	35.88	5	1750	M2H36T18C	M2H36T18C518	1.80
52	66.07	5	3450	M2H66T18C	M2H66T18C536	1.90
54	32.15	5	1750	M2H32T18C	M2H32T18C518	1.96
59	29.64	5	1750	M2H30T18C	M2H30T18C518	2.11
67	51.31	7.5	3450	M2H51T21C	M2H51T21C736	1.56
70	24.87	7.5	1750	M2H25T21C	M2H25T21C718	1.62
73	47.45	7.5	3450	M2H47T21C	M2H47T21C736	1.66
78	44.05	7.5	3450	M2H44T21C	M2H44T21C736	1.74
82	21.22	7.5	1750	M2H21T21C	M2H21T21C718	1.82
89	38.86	10	3450	M2H39T21C	M2H39T21C1036	1.46
96	35.88	10	3450	M2H36T21C	M2H36T21C1036	1.54
99	17.68	10	1750	M2H18T21C	M2H18T21C1018	1.57
107	32.15	10	3450	M2H32T21C	M2H32T21C1036	1.66
116	29.64	10	3450	M2H30T21C	M2H30T21C1036	1.76
139	24.87	10	3450	M2H25T21C	M2H25T21C1036	1.98
163	21.22	15	3450	M2H21T25C	M2H21T25C1536	1.49
195	17.68	15	3450	M2H18T25C	M2H18T25C1536	1.71

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	25	3450	M3H29T28TSC	M3H29T28TSC2536	1.15
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

* Consult Dodge Engineering for thermal considerations of application

MTA EZ Selection Tables
Class 2, 1.4 Service Factor

MTA3203H CLASS 2

Output rpm	Ratio	Class 2 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	5	1750	M3H65T18C	M3H65T18C518	1.56
30	57.58	5	1750	M3H58T18C	M3H58T18C518	1.80
35	50.68	5	1750	M3H51T18C	M3H51T18C518	2.03
37	46.87	7.5	1750	M3H47T21C	M3H47T21C718	1.46
40	43.51	7.5	1750	M3H44T21C	M3H44T21C718	1.58
46	38.39	7.5	1750	M3H38T21C	M3H38T21C718	1.74
49	35.44	10	1750	M3H35T21C	M3H35T21C1018	1.42
53	65.26	10	3450	M3H65T21C	M3H65T21C1036	1.48
55	31.75	10	1750	M3H32T21C	M3H32T21C1018	1.53
60	29.28	10	1750	M3H29T21C	M3H29T21C1018	1.64
68	50.68	10	3450	M3H51T21C	M3H51T21C1036	1.77
71	24.57	10	1750	M3H25T21C	M3H25T21C1018	1.89
74	46.87	10	3450	M3H47T21C	M3H47T21C1036	1.95
79	43.51	15	3450	M3H44T25C	M3H44T25C1536	1.38
83	20.96	15	1750	M3H21T25C	M3H21T25C1518	1.44
90	38.39	15	3450	M3H38T25C	M3H38T25C1536	1.54
97	35.44	15	3450	M3H35T25C	M3H35T25C1536	1.64
100	17.46	15	1750	M3H17T25C	M3H17T25C1518	1.68
109	31.75	15	3450	M3H32T25C	M3H32T25C1536	1.79
118	29.28	20	3450	M3H29T25C	M3H29T25C2036	1.44
140	24.57	20	3450	M3H25T25C	M3H25T25C2036	1.64
165	20.96	25	3450	M3H21T28TSC	M3H21T28TSC2536	1.47
198	17.46	25	3450	M3H17T28TSC	M3H17T28TSC2536	1.64

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	M4H18T28C2518	1.29
100	34.48	30	3450	M4H34T28TSC	M4H34T32TSC3036	1.31
115	30.05	40*	3450	M4H30T32TSC	M4H30T32TSC4036	1.07
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

MTA EZ Selection Tables
Class 2, 1.4 Service Factor

MTA4207H CLASS 2

Output rpm	Ratio	Class 2 Motor HP	Motor speed	Part Number	C-Face GearMotor Part Number	Service factor
24	73.57	7.5	1750	M4H74T21C	M4H74T21C718	1.53
26	66.17	7.5	1750	M4H66T21C	M4H66T21C718	1.65
29	61.04	7.5	1750	M4H61T21C	M4H61T21C718	1.76
34	51.72	10	1750	M4H52T21C	M4H52T21C1018	1.56
36	49.04	10	1750	M4H49T21C	M4H49T21C1018	1.64
40	44.11	10	1750	M4H44T21C	M4H44T21C1018	1.80
43	40.70	10	1750	M4H41T21C	M4H41T21C1018	1.90
47	73.57	10	3450	M4H74T21C	M4H74T21C1036	2.03
51	34.48	15	1750	M4H34T25C	M4H34T25C1518	1.45
52	66.17	15	3450	M4H66T25C	M4H66T25C1536	1.50
57	61.04	15	3450	M4H61T25C	M4H61T25C1536	1.60
58	30.05	15	1750	M4H30T25C	M4H30T25C1518	1.65
67	51.72	15	3450	M4H52T25C	M4H52T25C1536	1.84
68	25.57	20	1750	M4H26T25C	M4H26T25C2018	1.42
70	49.04	20	3450	M4H49T25C	M4H49T25C2036	1.45
78	44.11	20	3450	M4H44T25C	M4H44T25C2036	1.59
80	21.82	20	1750	M4H22T25C	M4H22T25C2018	1.63
85	40.70	20	3450	M4H41T25C	M4H41T25C2036	1.69
98	17.89	25	1750	M4H18T28C	M4H18T28C2518	1.54
100	34.48	25	3450	M4H34T28TSC	M4H34T28TSC2536	1.57
115	30.05	30	3450	M4H30T28TSC	M4H30T28TSC3036	1.43
135	25.57	30	3450	M4H26T28TSC	M4H26T28TSC3036	1.58
158	21.82	30	3450	M4H22T28TSC	M4H22T28TSC3036	1.76
193	17.89	40*	3450	M4H18T32TSC	M4H18T32TSC4036	1.48

* Consult Dodge Engineering for thermal considerations of application

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
138	25.05	75*	3450	M5H25T36TSC	M5H25T36TSC7536	1.03
162	21.35	75*	3450	M5H21T36TSC	M5H21T36TSC7536	1.08
197	17.50	75*	3450	M5H18T36TSC	M5H18T36TSC7536	1.14

* Consult Dodge Engineering for thermal considerations of application

MTA EZ Selection Tables
Class 2, 1.4 Service Factor

MTA5215H CLASS 2

Output rpm	Ratio	Class 2 Motor HP	Motor speed	Part Number	C-Face GearMotor Part Number	Service factor
24	71.98	10	1750	M5H72T21C	M5H72T21C1018	1.92
27	64.74	10	1750	M5H65T21C	M5H65T21C1018	2.08
29	59.73	15	1750	M5H60T25C	M5H60T25C1518	1.53
35	50.61	15	1750	M5H51T25C	M5H51T25C1518	1.78
36	47.99	15	1750	M5H48T25C	M5H48T25C1518	1.88
41	43.16	20	1750	M5H43T25C	M5H43T25C2018	1.55
44	39.82	20	1750	M5H40T25C	M5H40T25C2018	1.65
48	71.98	25	3450	M5H72T28TSC	M5H72T28TSC2536	1.43
52	33.74	25	1750	M5H34T28C	M5H34T28C2518	1.55
53	64.74	25	3450	M5H65T28TSC	M5H65T28TSC2536	1.58
58	59.73	30	3450	M5H60T28TSC	M5H60T28TSC3036	1.43
60	29.41	30	1750	M5H29T28C	M5H29T28C3018	1.45
68	50.61	30	3450	M5H51T28TSC	M5H51T28TSC3036	1.66
70	25.05	30	1750	M5H25T28C	M5H25T28C3018	1.68
72	47.99	30	3450	M5H48T28TSC	M5H48T28TSC3036	1.73
80	43.16	30	3450	M5H43T28TSC	M5H43T28TSC3036	1.90
82	21.35	40	1750	M5H21T32C	M5H21T32C4018	1.46
87	39.82	40	3450	M5H40T32TSC	M5H40T32TSC4036	1.50
100	17.50	40	1750	M5H18T32C	M5H18T32C4018	1.62
102	33.74	40	3450	M5H34T32TSC	M5H34T32TSC4036	1.64
117	29.41	40	3450	M5H29T32TSC	M5H29T32TSC4036	1.77
138	25.05	50*	3450	M5H25T32TSC	M5H25T32TSC5036	1.55
162	21.35	50*	3450	M5H21T32TSC	M5H21T32TSC5036	1.62
197	17.50	50*	3450	M5H18T32TSC	M5H18T32TSC5036	1.71

* Consult Dodge Engineering for thermal considerations of application

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
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

MTA EZ Selection Tables
Class 2, 1.4 Service Factor

MTA6307H CLASS 2

Output rpm	Ratio	Class 2 Motor HP	Motor speed	Part Number	C-Face GearMotor Part Number	Service factor
22	78.53	15	1750	M6H79T25C	M6H79T25C1518	1.57
26	66.92	15	1750	M6H67T25C	M6H67T25C1518	1.84
30	59.05	20	1750	M6H59T25C	M6H59T25C2018	1.57
33	52.35	20	1750	M6H52T25C	M6H52T25C2018	1.72
35	50.26	25	1750	M6H50T28C	M6H50T28C2518	1.45
39	44.61	25	1750	M6H45T28C	M6H45T28C2518	1.59
44	78.53	30	3450	M6H79T28TSC	M6H79T28TSC3036	1.49
44	39.37	30	1750	M6H39T28C	M6H39T28C3018	1.49
52	66.92	30	3450	M6H67T28TSC	M6H67T28TSC3036	1.74
52	33.51	30	1750	M6H34T28C	M6H34T28C3018	1.74
58	59.05	40	3450	M6H59T32TSC	M6H59T32TSC4036	1.44
60	29.03	40	1750	M6H29T32C	M6H29T32C4018	1.48
66	52.35	40	3450	M6H52T32TSC	M6H52T32TSC4036	1.62
69	50.26	40	3450	M6H50T32TSC	M6H50T32TSC4036	1.68
72	24.43	50	1750	M6H24T32C	M6H24T32C5018	1.40
77	44.61	50	3450	M6H45T32TSC	M6H45T32TSC5036	1.49
79	22.04	50	1750	M6H22T32C	M6H22T32C5018	1.52
88	39.37	50	3450	M6H39T32TSC	M6H39T32TSC5036	1.66
92	18.95	60	1750	M6H19T36C	M6H19T36C6018	1.43
103	33.51	60	3450	M6H34T36TSC	M6H34T36TSC6036	1.57
119	29.03	75*	3450	M6H29T36TSC	M6H29T36TSC7536	1.41
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

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
134	25.66	100*	3450	M7H26T405TSC	—	1.77

* Consult Dodge Engineering for thermal considerations of application

MTA EZ Selection Tables
Class 2, 1.4 Service Factor

MTA7315H CLASS 2

Output rpm	Ratio	Class 2 Motor HP	Motor speed	Part Number	C-Face GearMotor Part Number	Service factor
23	76.46	25	1750	M7H76T28C	M7H76T28C2518	1.47
26	66.57	25	1750	M7H67T28C	M7H67T28C2518	1.67
30	57.58	30	1750	M7H58T28C	M7H58T28C3018	1.58
34	50.97	30	1750	M7H51T28C	M7H51T28C3018	1.79
39	44.38	40	1750	M7H44T32C	M7H44T32C4018	1.52
45	76.46	40	3450	M7H76T32TSC	M7H76T32TSC4036	1.74
46	38.39	40	1750	M7H38T32C	M7H38T32C4018	1.73
52	66.57	50	3450	M7H67T32TSC	M7H67T32TSC5036	1.56
52	33.48	50	1750	M7H33T32C	M7H33T32C5018	1.56
60	57.58	60	3450	M7H58T36TSC	M7H58T36TSC6036	1.48
61	28.65	60	1750	M7H29T36C	M7H29T36C6018	1.50
68	50.97	60	3450	M7H51T36TSC	M7H51T36TSC6036	1.64
68	25.66	60	1750	M7H26T36C	M7H26T36C6018	1.65
78	44.38	75	3450	M7H44T36TSC	M7H44T36TSC7536	1.49
80	21.74	75	1750	M7H22T36C	M7H22T36C7518	1.53
90	38.39	75	3450	M7H38T36TSC	M7H38T36TSC7536	1.70
93	18.77	75	1750	M7H19T36C	M7H19T36C7518	1.73
103	33.48	100*	3450	M7H33T405TSC	—	1.42
120	28.65	100*	3450	M7H29T405TSC	—	1.62
134	25.66	100*	3450	M7H26T405TSC	—	1.77

* Consult Dodge Engineering for thermal considerations of application

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	—	2.02
102	33.90	100*	3450	M8H34T405TSC	—	2.04
112	30.76	100*	3450	M8H31T405TSC	—	2.21

* Consult Dodge Engineering for thermal considerations of application

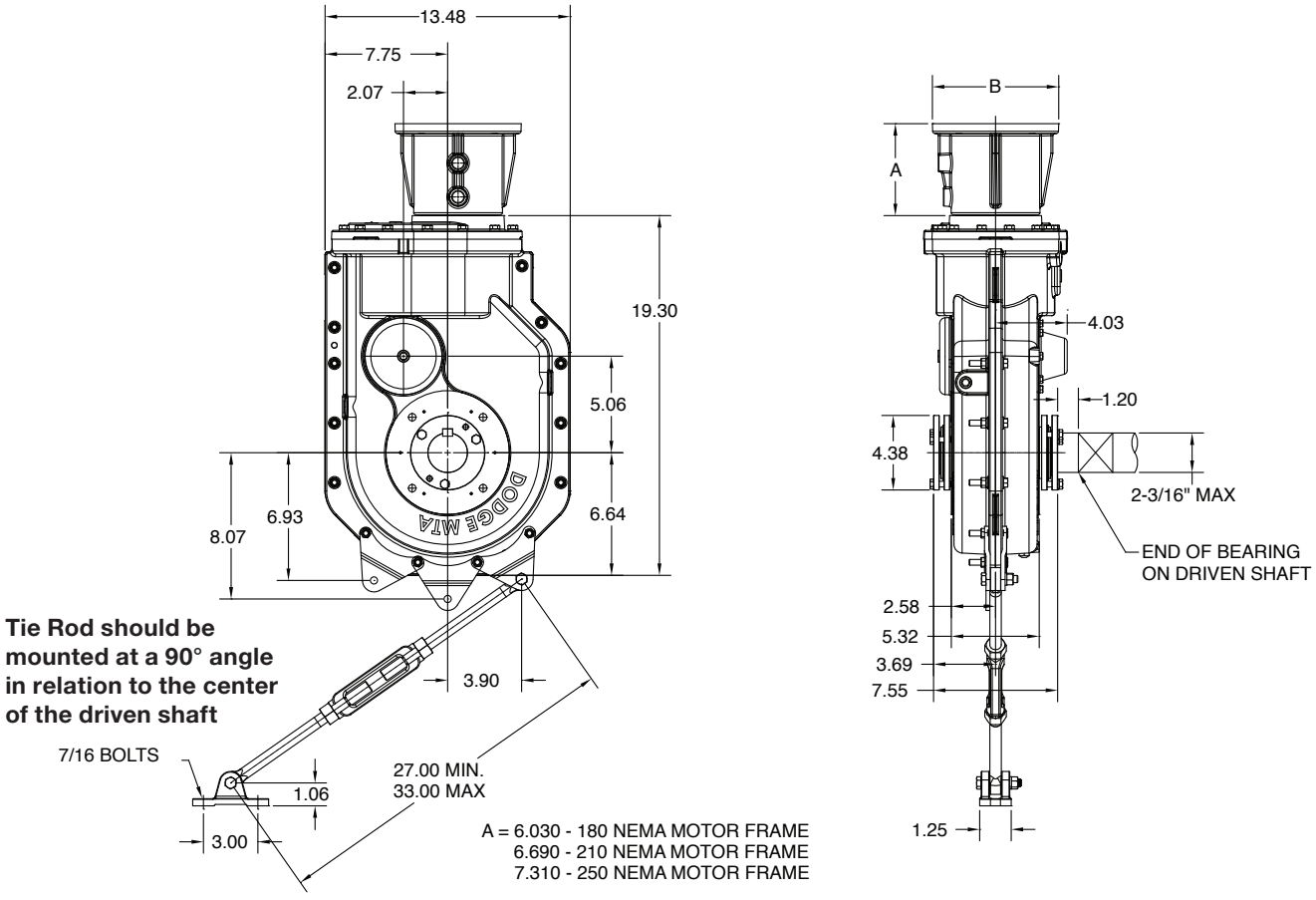
MTA EZ Selection Tables
Class 2, 1.4 Service Factor

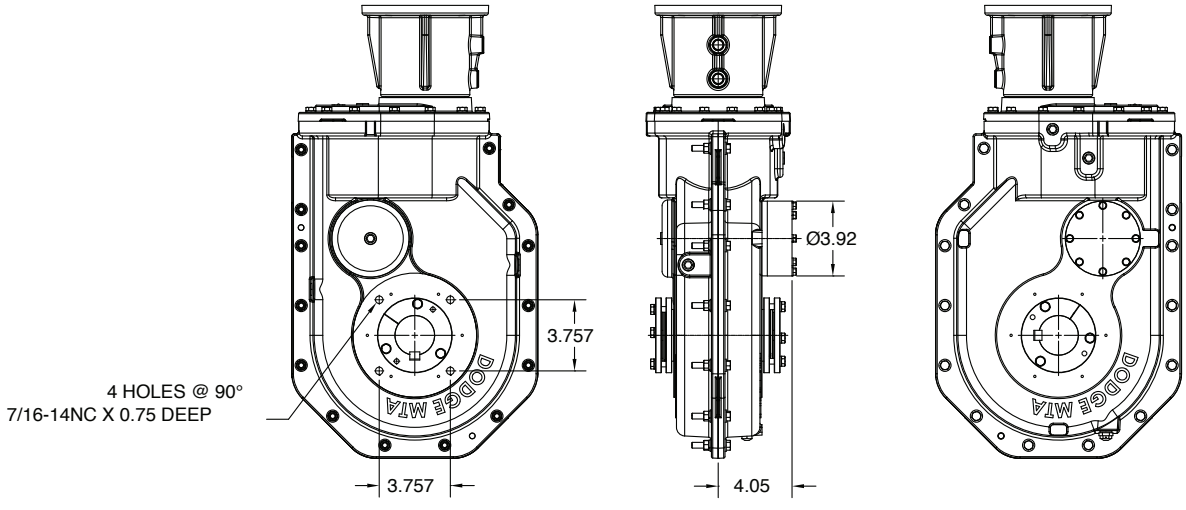
MTA8407H CLASS 2

Output rpm	Ratio	Class 2 Motor HP	Motor speed	Part Number	C-Face GearMotor Part Number	Service factor
22	78.80	30	1750	M8H79T28C	M8H79T28C3018	1.69
26	68.53	40	1750	M8H69T32C	M8H69T32C4018	1.45
29	60.13	40	1750	M8H60T32C	M8H60T32C4018	1.62
33	52.53	50	1750	M8H53T32C	M8H53T32C5018	1.49
34	50.85	50	1750	M8H51T32C	M8H51T32C5018	1.52
38	45.69	60	1750	M8H46T36C	M8H46T36C6018	1.40
44	40.09	60	1750	M8H40T36C	M8H40T36C6018	1.60
44	78.80	60	3450	M8H79T36TSC	M8H79T36TSC6036	1.57
50	68.53	75	3450	M8H69T36TSC	M8H69T36TSC7536	1.45
52	33.90	75	1750	M8H34T36C	M8H34T36C7518	1.47
57	30.76	75	1750	M8H31T36C	M8H31T36C7518	1.60
57	60.13	75	3450	M8H60T36TSC	M8H60T36TSC7536	1.61
65	26.82	75	1750	M8H27T36C	M8H27T36C7518	1.81
66	52.53	75	3450	M8H53T36TSC	M8H53T36TSC7536	1.81
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

* Consult Dodge Engineering for thermal considerations of application

MTA2115 Shaft Mounted Reducer





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
TA0-TA3 Vertical Breather Kit	900112	2.0
Filter Breather	430048	0.2
V-ring Seal Kit	902249	0.1
TA0-TA3 Hydra-Lock Dessicant Breather Kit	964372	0.2

(2) See page G1-130 for input shaft speed necessary for backstop sprag lift-off

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			
	Closed	Weight	Split	Weight
MTA2115H	902114	0.6	902115	0.5
Reducer Size	**ABS End Cover Part Numbers**			
	Closed	Weight	Split	Weight
MTA2115H	454374	0.6	454375	0.5

End covers fit both the outside and inside of MTA reducer.

TA2115H Tapered Bushing Kits (5) (6)

Bushing Size Standard Shaft Bushing Kit	Part Number (7)	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	902027	6.0	3/8 x 3/16 x 7.80
TA2115TB x 1-1/2	902028	6.4	3/8 x 3/16 x 7.80
TA2115TB x 1-7/16	902029	6.4	3/8 x 3/16 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

▲ AGMA maximum bore size

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

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

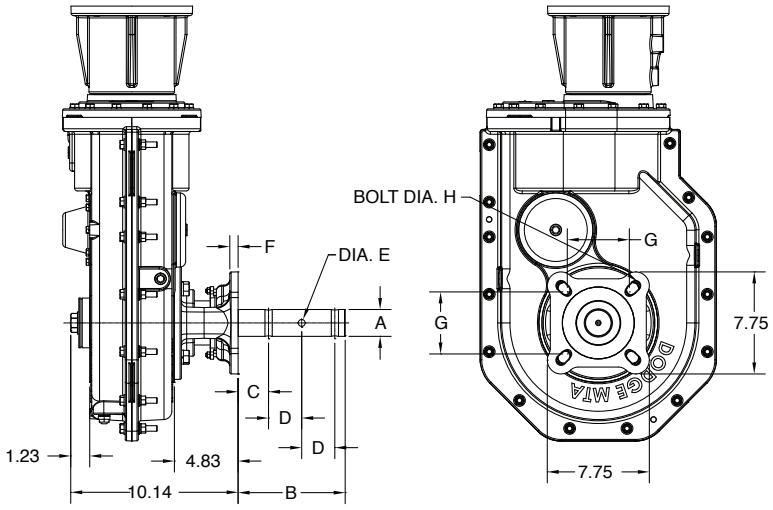
(7) Standard Shaft Bushing Kit includes two standard bushings with back-up plates and snap rings; hardware, and key

(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



TA2115H Screw Conveyor Drive Dimensions

Dimensions								
Screw Dia	**Drive Shaft Dia A**	**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	–	–	–	–	–	–	–	–

MTA2115 Screw Conveyor Accessories

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			
	Closed	Weight	Split	Weight
MTA2115H	902114	0.6	902115	0.5
Reducer Size	**ABS End Cover Part Numbers**			
	Closed	**Weight**	**Split**	**Weight**
MTA2115H	454374	0.6	454375	0.5

End covers fit both the outside and inside of MTA reducer.

TA2115H Accessories for Screw Conveyor Drives (4) (5)

Description	Part Number	Weight lbs.
TA2115SCA Adapter & 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

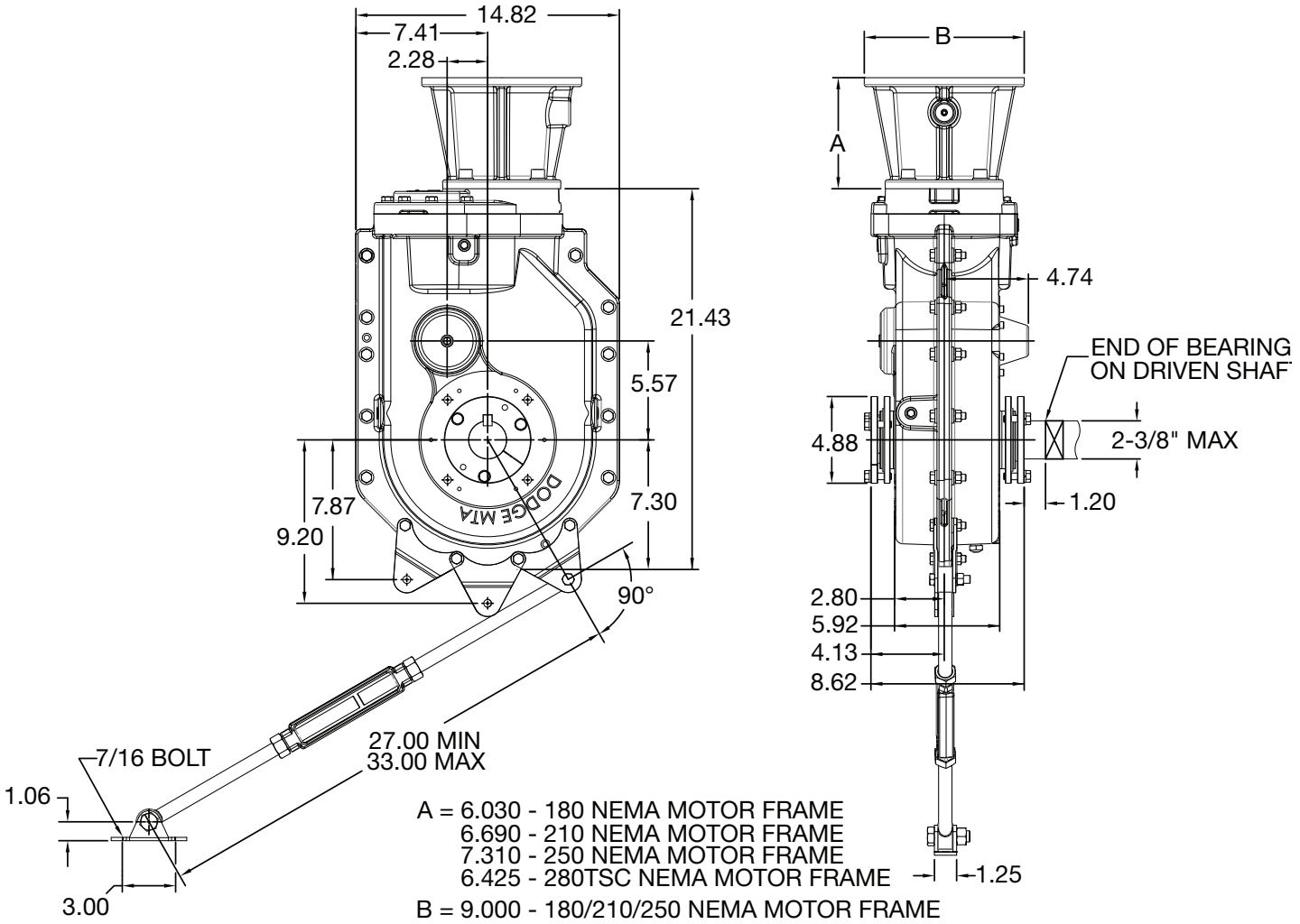
(2) SCA Adapter & Hardware Kit includes adapter, mounting wedge, keeper plate, key, seals and hardware

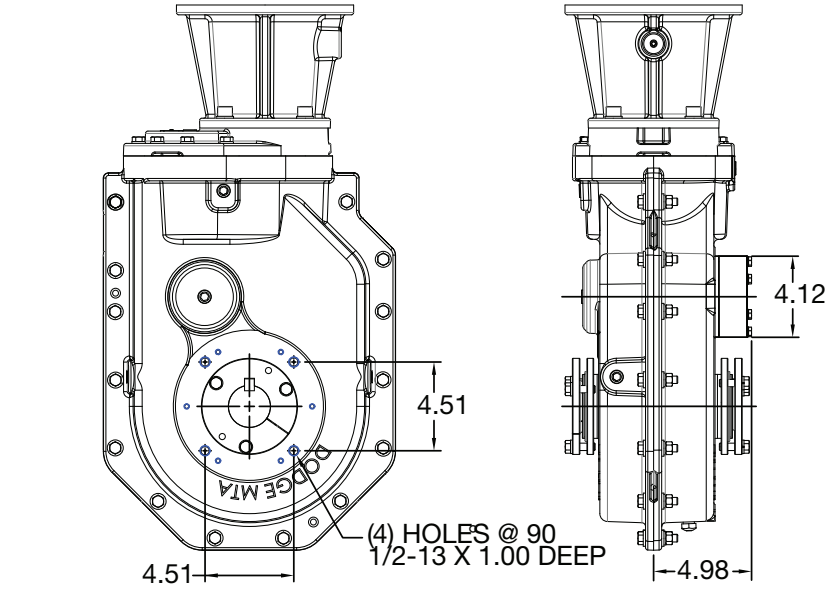
(3) SCP Adjustable Packing Kit consists of flange, mounting hardware and braided packing seals

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

(5) A complete TA II Screw Conveyor Drive includes a TA II Reducer, SCA Adapter & Hardware Kit and SCS Drive Shaft. The SCP Adjustable Packing Kit is an optional accessory..

MTA3203 Shaft Mounted Reducer





Reducer with Backstop

MTA3203 Shaft Mounted Accessories

MTA3203 C-Face Reducer Weights with adapter (lbs)

	Adapter size									
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
TA0-TA3 Vertical Breather Kit	900112	2.0
Filter Breather Plug	430048	0.2
TA0-TA3 Hydra-Lock Dessicant Breather Kit	964372	0.2

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			Weight
	Closed	Weight	Split	
MTA3203H	903114	0.9	903115	0.8
Reducer Size	**ABS Polymer End Cover Part Numbers**			**Weight**
	Closed	**Weight**	**Split**	
MTA3203H	472052	.6	472053	.5

End covers fit both the outside and inside of MTA reducer.

TA3203H 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

TA3203H 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

▲ AGMA maximum bore size

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

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

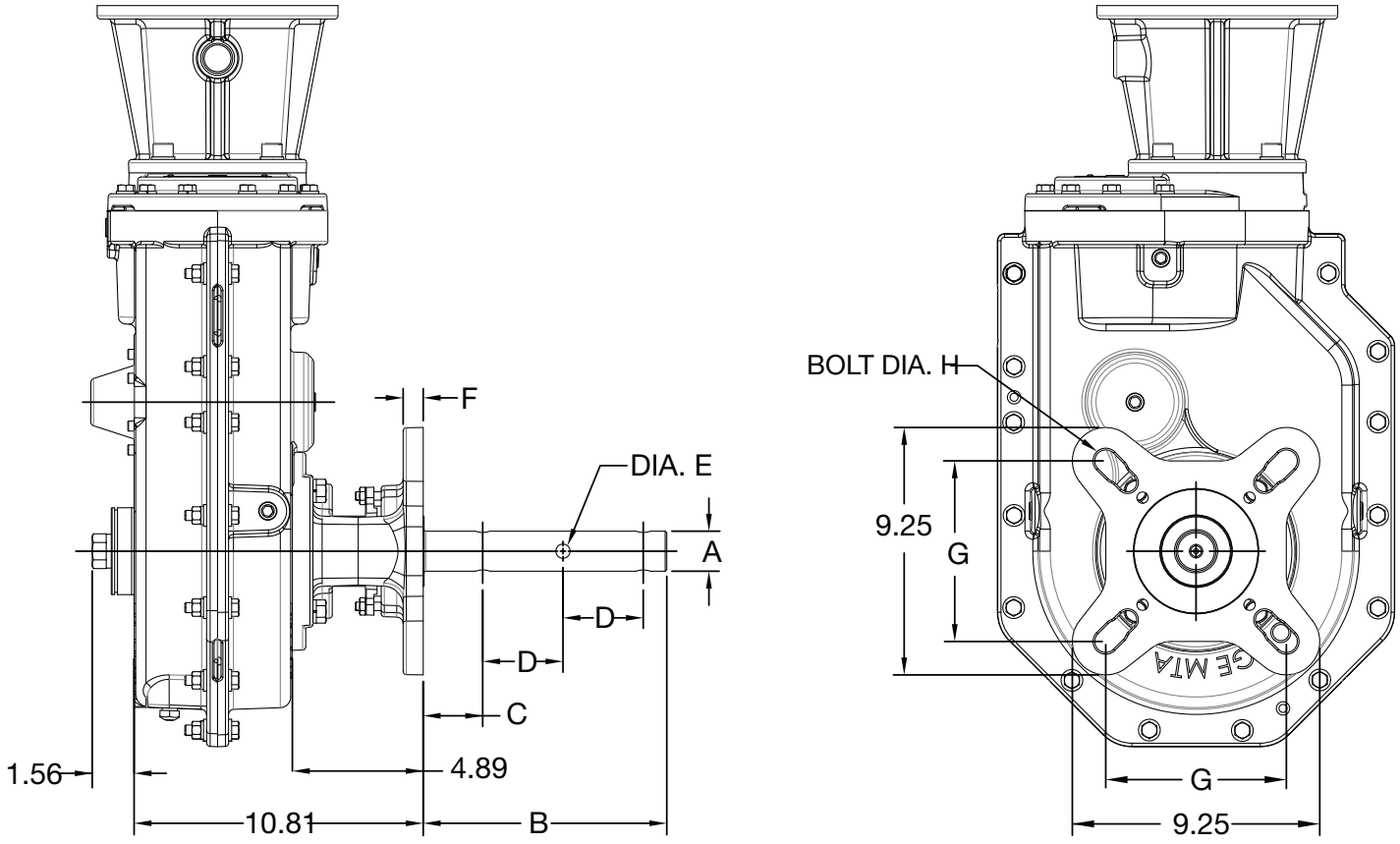
(7) Standard Shaft Bushing Kit includes two standard bushings with back-up plates and snap rings; hardware, and key

(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



TA3203H 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, 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

MTA3203 Screw Conveyor Accessories

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			Weight
	Closed	Weight	Split	
MTA3203H	903114	0.9	903115	0.8
Reducer Size	**ABS Polymer End Cover Part Numbers**			**Weight**
	Closed	**Weight**	**Split**	
MTA3203H	472052	.6	472053	.5

End covers fit both the outside and inside of MTA reducer.

TA3203H Accessories for Screw Conveyor Drives (4) (5)

Description	Part Number	Weight lbs.
TA3203SCA Adapter & 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

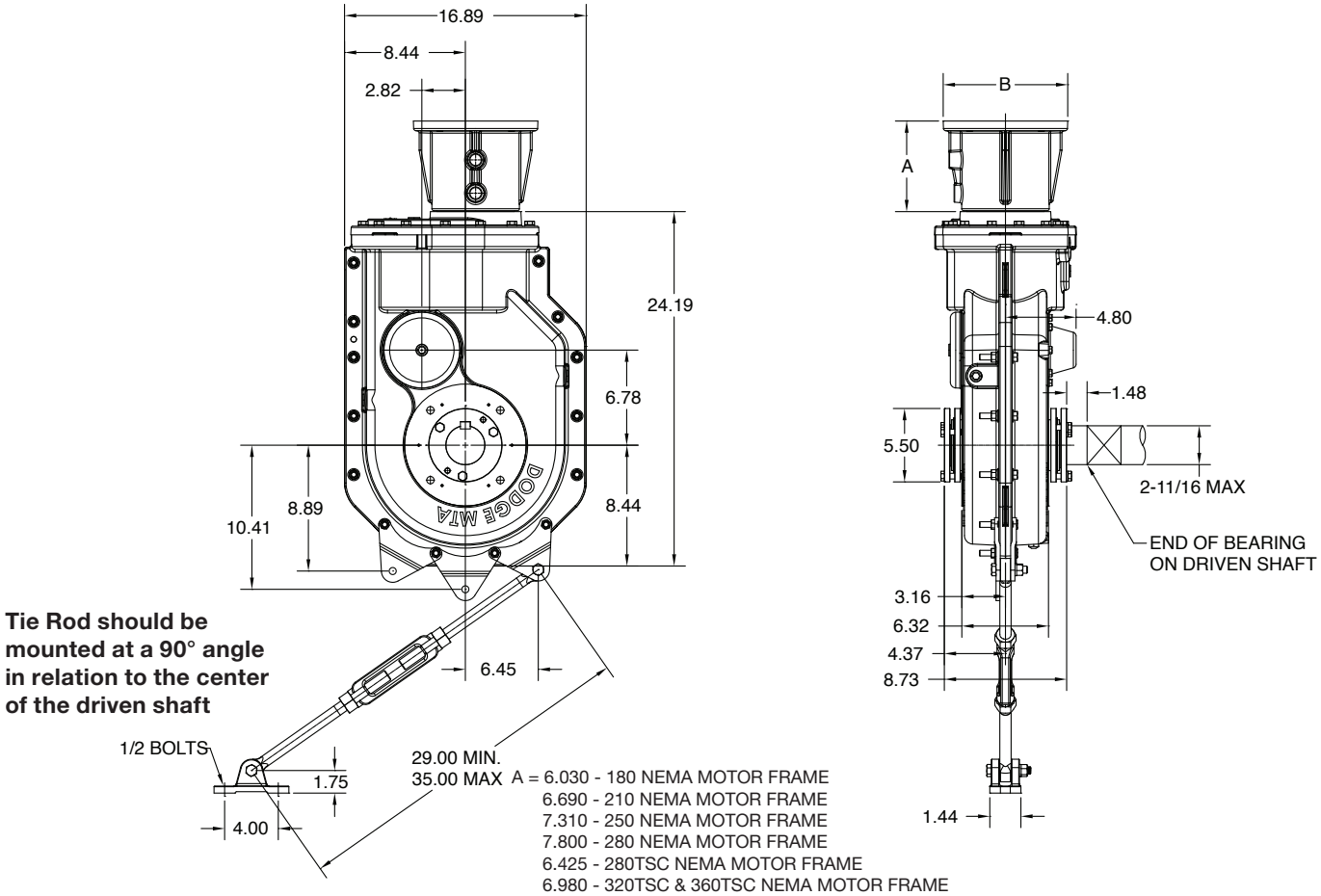
(2) SCA Adapter & Hardware Kit includes adapter, mounting wedge, keeper plate, key, seals and hardware

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

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

(5) A complete TA II Screw Conveyor Drive includes a TA II Reducer, SCA Adapter & Hardware Kit and SCS Drive Shaft. The SCP Adjustable Packing Kit is an optional accessory.

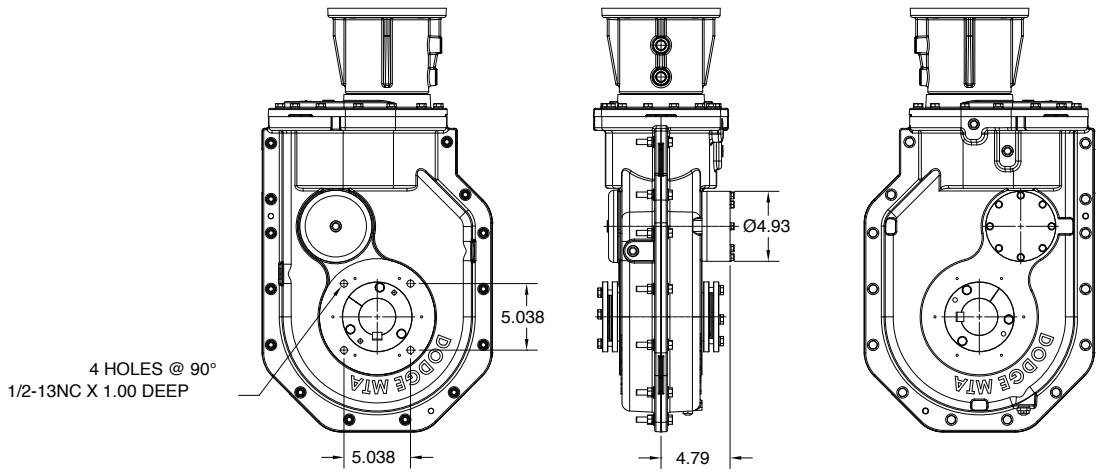
MTA4207 Shaft Mounted Reducer



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 NEMA AND 280TSC MOTOR FRAME
13.00 - 320TSC & 360TSC NEMA MOTOR FRAME



Reducer with Backstop

MTA4207 Shaft Mounted Acessories

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
TA4-TA12 Vertical Breather Kit	904112	3.0
Filter Breather	430049	0.2
V-ring Seal Kit	904249	0.2
TA4-TA9 Hydra-Lock Dessicant Breather Kit	964364	0.8

(2) See page G1-130 for input shaft speed necessary for backstop sprag lift-off

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			
	Closed	Weight	Split	Weight
MTA4207H	904114	1.2	904115	1.0
Reducer Size	**ABS End Cover Part Numbers**			
	Closed	Weight	Split	Weight
MTA4207H	454500	1.2	454501	1.0

End covers fit both the outside and inside of MTA reducer.

TA4207H Tapered Bushing Kits (5) (6)

Bushing Size Required Standard Shaft Bushing Kit	Part Number (7)	Weight lbs.	Shaft Keyseat (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	904024	11.5	1/2 x 1/4 x 8.93
TA4207TB x 2-3/16	904025	11.8	1/2 x 1/4 x 8.93
TA4207TB x 2-1/8	904026	12.2	1/2 x 1/4 x 8.93
TA4207TB x 2	904027	12.6	1/2 x 1/4 x 8.93
TA4207TB x 1-15/16	904028	13.0	1/2 x 1/4 x 8.93

TA4207H Tapered Short Shaft Bushing Kits (5) (6)

Bushing Size Required Short Shaft Bushing Kit	Part Number (8)	Weight lbs.	Shaft Keyseat (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

▲ AGMA maximum bore size

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

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

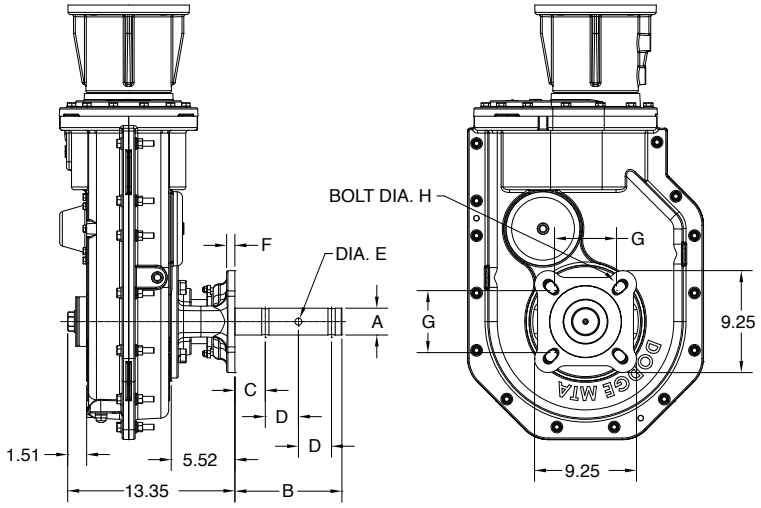
(7) Standard Shaft Bushing Kit includes two standard bushings with back-up plates and snap rings; hardware, and key

(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



TA4207H 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

MTA4207 Screw Conveyor Accessories

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			
	Closed	Weight	Split	Weight
MTA4207H	904114	1.2	904115	1.0
Reducer Size	**ABS End Cover Part Numbers**			
	Closed	**Weight**	**Split**	**Weight**
MTA4207H	454500	1.2	454501	1.0

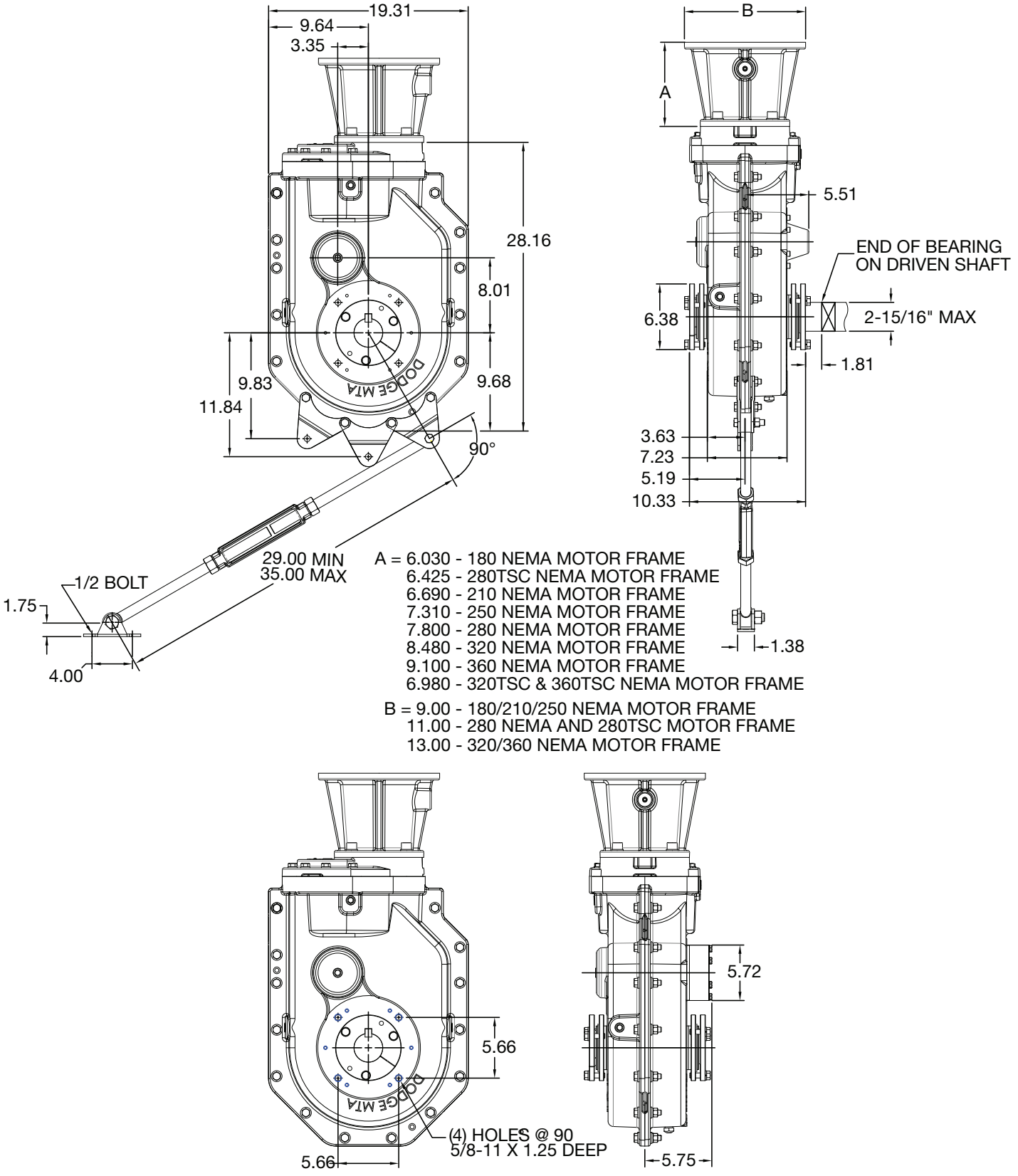
End covers fit both the outside and inside of MTA reducer.

TA4207H Accessories for Screw Conveyor Drives (4) (5)

Description	Part Number	Weight lbs.
TA4207SCA Adapter & 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

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

MTA5215 Shaft Mounted Reducer



Reducer with Backstop

MTA5215 Shaft Mounted Accessories

MTA5215 C-Face Reducer Weights with adapter (lbs)

	Adapter size									
Reducer	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-TA12 Vertical Breather Kit	904112	3.0
Filter Breather Kit	430049	0.2
TA4-TA9 Hydra-Lock Dessicant Breather Kit	964364	0.8

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			Weight
	Closed	Weight	Split	
MTA5215H	905114	1.5	905115	1.2
Reducer Size	**ABS Polymer End Cover Part Numbers**			**Weight**
	Closed	**Weight**	**Split**	
MTA5215H	454570	1.5	454571	1.0

End covers fit both the outside and inside of MTA reducer.

TA5215H Tapered Bushing Kits (5) (6)

Bushing Size 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	905026	18.1	5/8 x 5/16 x 10.34
TA5215TB x 2-3/8	905027	18.3	5/8 x 5/16 x 10.34
TA5215TB x 2-1/4	905028	18.9	1/2 x 1/4 x 10.34
TA5215TB x 2-3/16	905029	19.1	1/2 x 1/4 x 10.34

TA5215H Short shaft Tapered Bushing Kits

Bushing Size Short Shaft Bushing Kit	Part Number (8)	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

▲ AGMA maximum bore size

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

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

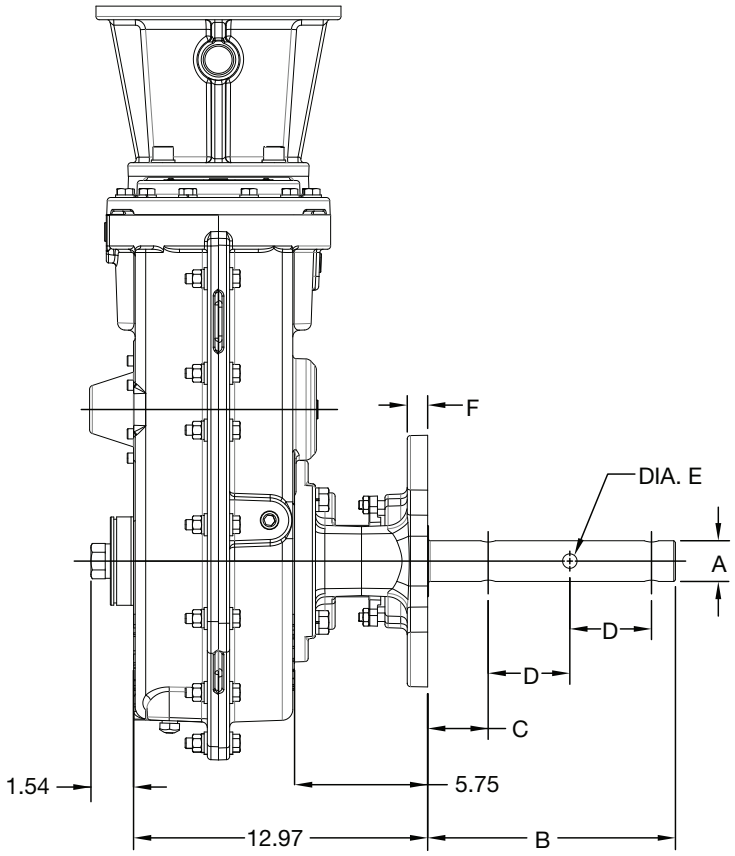
(7) Standard Shaft Bushing Kit includes two standard bushings with back-up plates and snap rings; hardware, and key

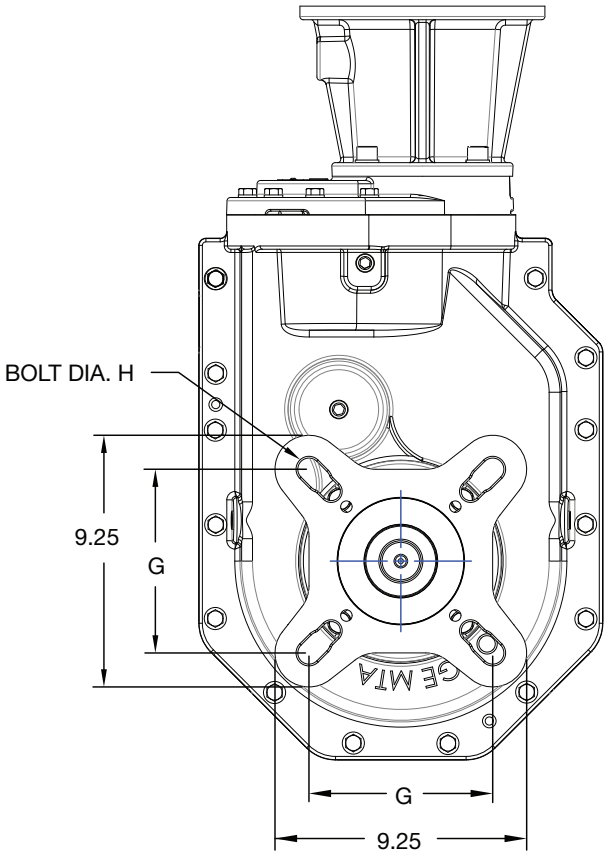
(8) Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and key. This is an optional bushing for after market, short shaft mounting.

(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





TA5215H 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

MTA5215 Screw Conveyor Accessories

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			Weight
	Closed	Weight	Split	
MTA5215H	905114	1.5	905115	1.2
Reducer Size	**ABS Polymer End Cover Part Numbers**			**Weight**
	Closed	**Weight**	**Split**	
MTA5215H	454570	1.5	454571	1.0

End covers fit both the outside and inside of MTA reducer.

TA5215H Accessories for Screw Conveyor Drives (4) (5)

Description	Part Number	Weight lbs.
TA5215SCA Adapter & 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 3-7/16Drive 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

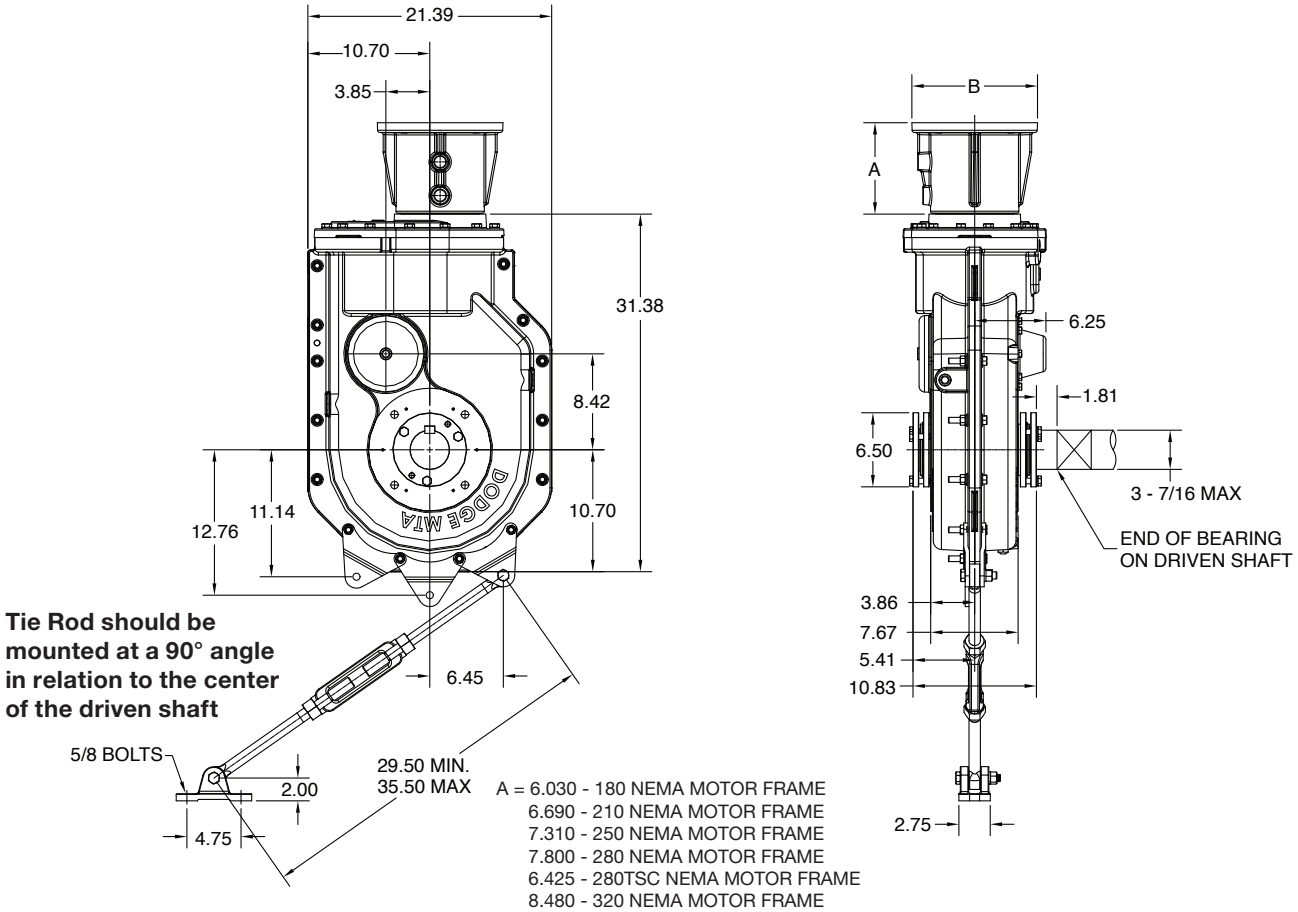
(2) SCA Adapter & Hardware Kit includes adapter, mounting wedge, keeper plate, key, seals and hardware

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

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

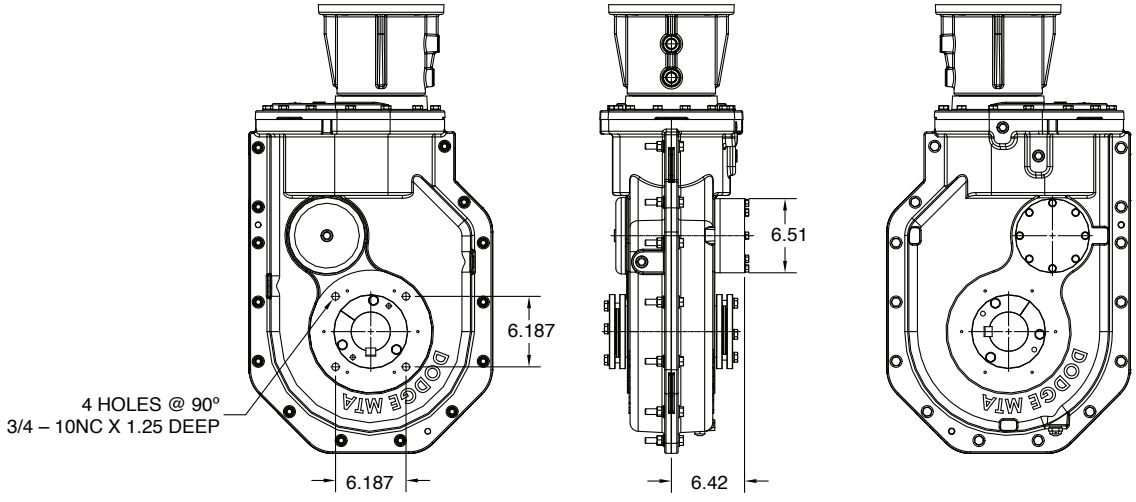
(5) A complete TA II Screw Conveyor Drive includes a TA II Reducer, SCA Adapter & Hardware Kit and SCS Drive Shaft. The SCP Adjustable Packing Kit is an optional accessory.

MTA6307 Shaft Mounted Reducer



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
6.980 - 320TSC & 360TSC NEMA MOTOR FRAME
9.100 - 360 NEMA MOTOR FRAME

B = 9.00 – 180/210/250 NEMA MOTOR FRAME
11.00 – 280 & 280TSC NEMA MOTOR FRAME
13.00 – 320/360 & 320/360TSC NEMA MOTOR FRAME



Reducer with Backstop

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
TA4-TA12 Vertical Breather Kit	904112	3.0
Filter Breather	430049	0.2
V-ring Seal Kit	906249	0.3
TA4-TA9 Hydra-Lock Dessicant Breather Kit	964364	0.8

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			
	Closed	Weight	Split	Weight
MTA6307H	906114	1.0	906115	1.5
Reducer Size	**ABS End Cover Part Numbers**			
	Closed	**Weight**	**Split**	**Weight**
MTA6307H	454570	1.0	454571	1.5

End covers fit both the outside and inside of MTA reducer.

TA6307H Tapered Bushing Kits (5) (6)

Bushing Size Required Standard Shaft Bushing Kit	Part Number (7)	Weight lbs.	Shaft Keyseat (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	906023	19.6	3/4 x 3/8 x 10.82
TA6307TB x 2-7/8	906024	20.1	3/4 x 3/8 x 10.82
TA6307TB x 2-11/16	906025	20.9	5/8 x 5/16 x 10.82
TA6307TB x 2-1/2	906026	22.1	5/8 x 5/16 x 10.82
TA6307TB x 2-7/16	906027	22.3	5/8 x 5/16 x 10.82

TA6307H Tapered Short Shaft Bushing Kits (5) (6)

Bushing Size Required Short Shaft Bushing Kit	Part Number (8)	Weight lbs.	Shaft Keyseat (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

▲ AGMA maximum bore size

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

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

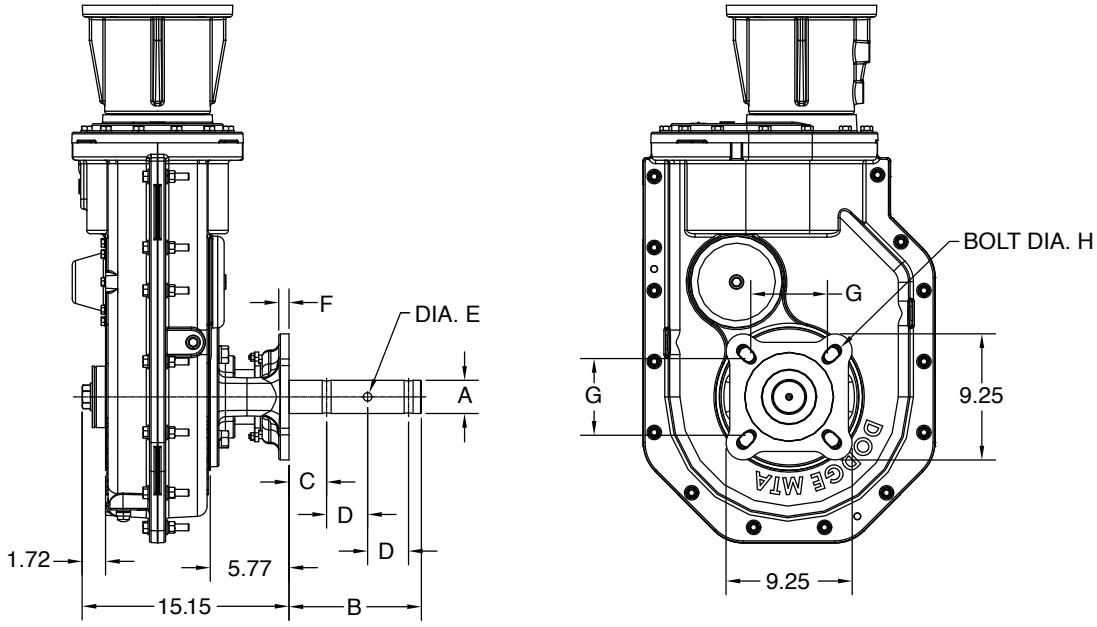
(7) Standard Shaft Bushing Kit includes two standard bushings with back-up plates and snap rings; hardware, and key

(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



TA6307H 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

MTA6307 Screw Conveyor Accessories

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			
	Closed	Weight	Split	Weight
MTA6307H	906114	1.0	906115	1.5
Reducer Size	**ABS End Cover Part Numbers**			
	Closed	**Weight**	**Split**	**Weight**
MTA6307H	454570	1.0	454571	1.5

End covers fit both the outside and inside of MTA reducer.

TA6307H Accessories for Screw Conveyor Drives (4) (5)

Description	Part Number	Weight lbs.
TA6307SCA Adapter & 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 3-7/16Drive 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

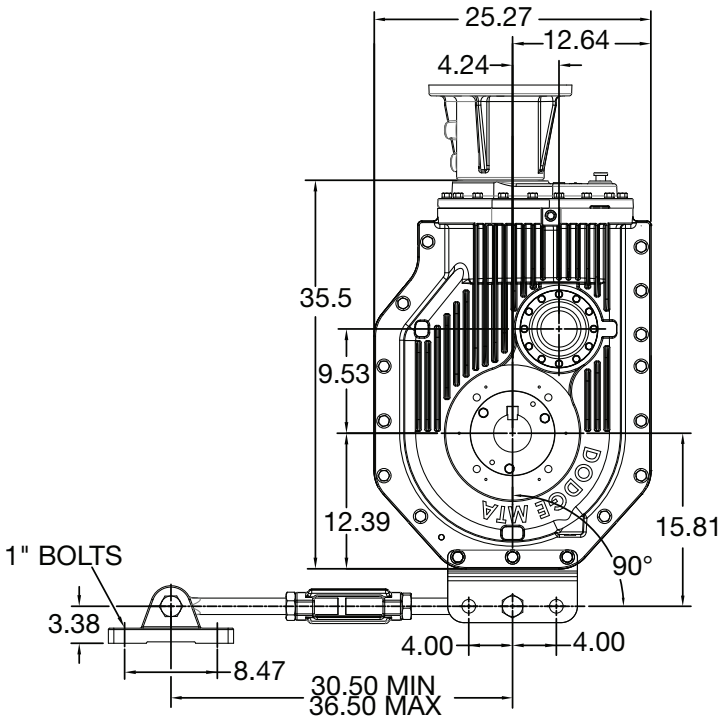
(2) SCA Adapter & Hardware Kit includes adapter, mounting wedge, keeper plate, key, seals and hardware

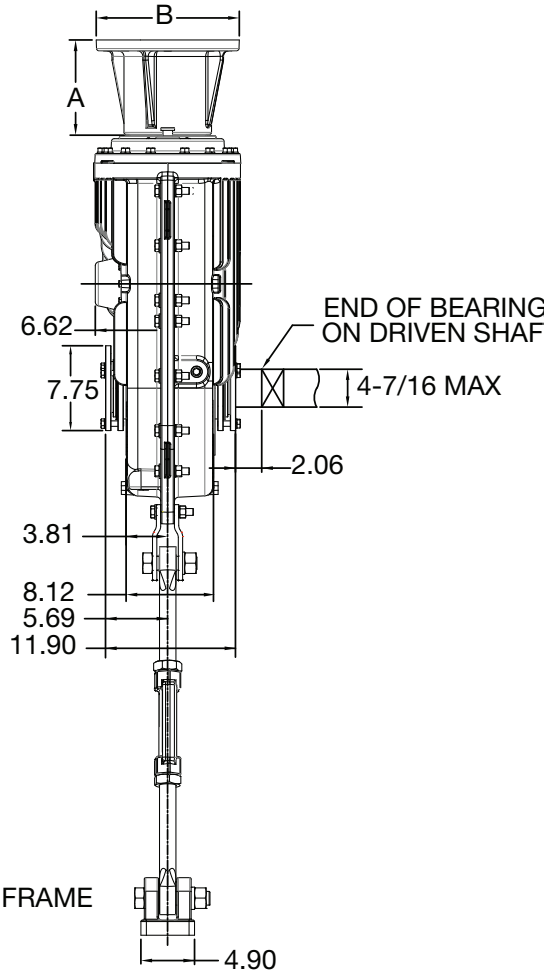
(3) SCP Adjustable Packing Kit consists of flange, mounting hardware and braided packing seals

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

(5) A complete TA II Screw Conveyor Drive includes a TA II Reducer, SCA Adapter & Hardware Kit and SCS Drive Shaft. The SCP Adjustable Packing Kit is an optional accessory.

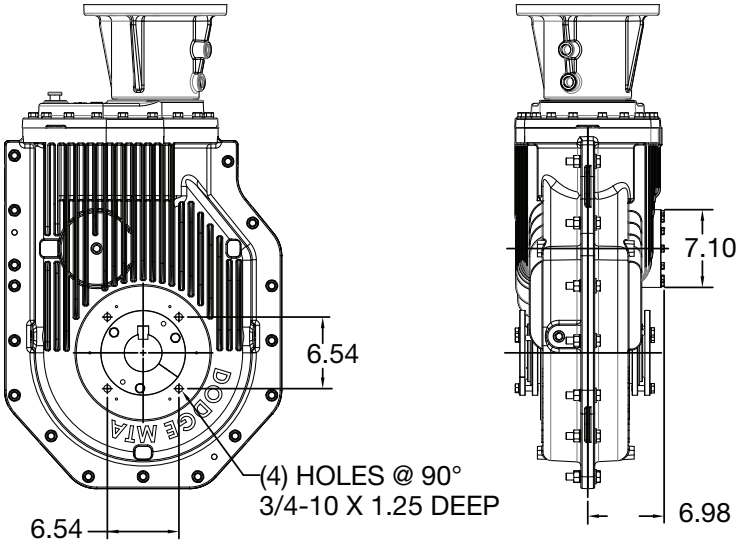
MTA7315 Shaft Mounted Reducer





A = 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
9.100 - 360 NEMA MOTOR FRAME
6.980 - 320TSC & 360TSC NEMA MOTOR FRAME
10.508 - 405 NEMA MOTOR FRAME
7.508 - 405TSC NEMA MOTOR FRAME

B = 9.00 - 180/210/250 NEMA MOTOR FRAME
11.00 - 280 NEMA AND 280TSC MOTOR FRAME
13.00 - 320/360/405 NEMA AND TSC MOTOR FRAMES



Reducer with Backstop

MTA7315 Shaft Mounted Accessories

MTA7315 C-Face Reducer Weights with adapter (lbs)

	Adapter size									
Reducer	**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-TA12 Vertical Breather Kit	904112	3.0
Filter Breather Kit	430049	0.2
TA4-TA9 Hydra-Lock Dessicant Breather Kit	964364	0.8

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			Weight
	Closed	Weight	Split	
MTA7315H	907114	2.2	907115	1.8
Reducer Size	**ABS Polymer End Cover Part Numbers**			**Weight**
	Closed	**Weight**	**Split**	
MTA7315H	472152	1.6	472153	1.1

End covers fit both the outside and inside of MTA reducer.

TA7315H 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	907024	32.6	3/4 x 3/8 x 11.87
TA7315TB x 3	907025	34.0	3/4 x 3/8 x 11.87
TA7315TB x 2-15/16	907026	34.6	3/4 x 3/8 x 11.87

TA7315H 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

▲ AGMA maximum bore size

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

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

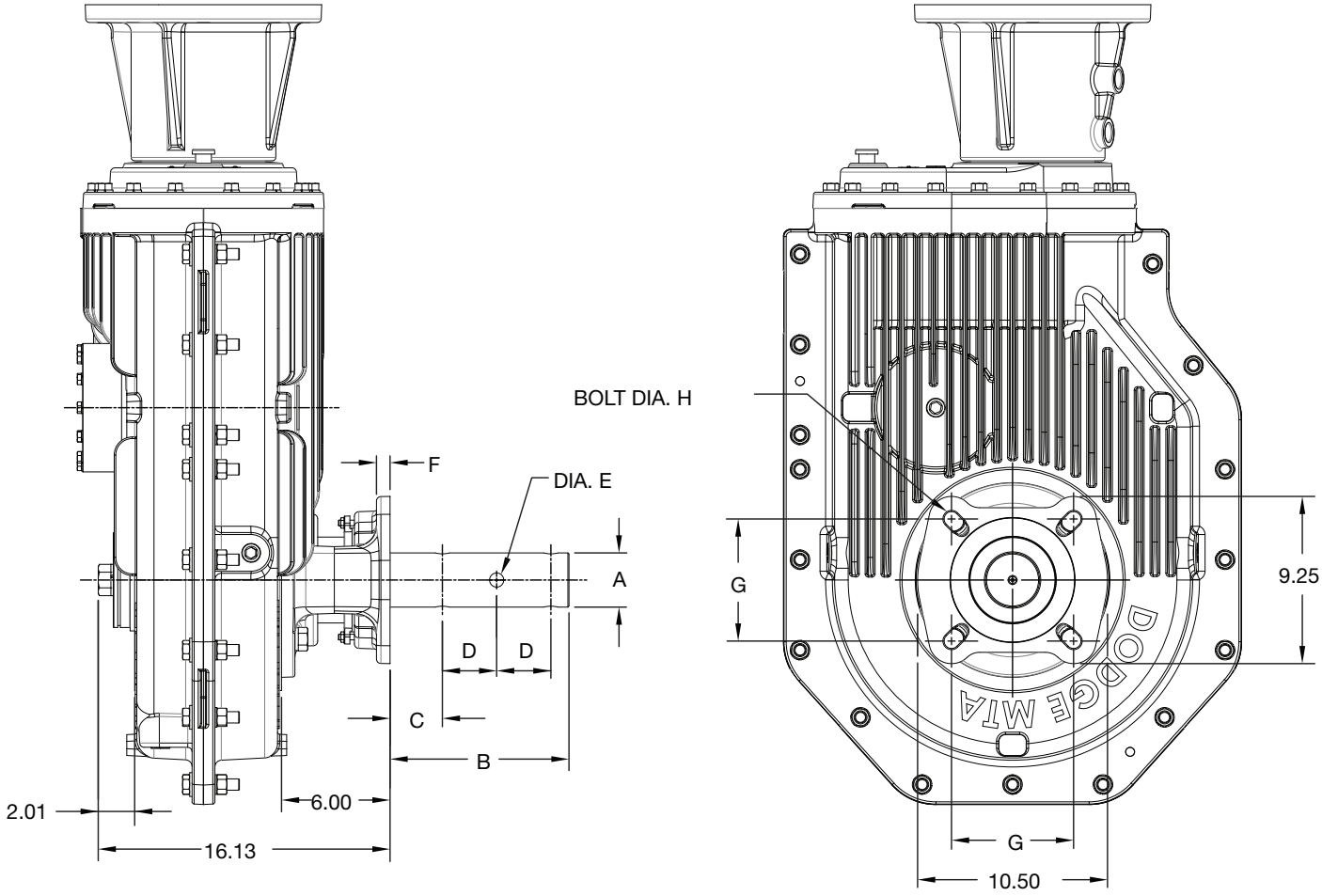
(7) Standard Shaft Bushing Kit includes two standard bushings with back-up plates and snap rings; hardware, and key

(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



TA7315H 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

MTA7315 Screw Conveyor Accessories

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			Weight
	Closed	Weight	Split	
MTA7315H	907114	2.2	907115	1.8
Reducer Size	**ABS Polymer End Cover Part Numbers**			**Weight**
	Closed	**Weight**	**Split**	
MTA7315H	472152	1.6	472153	1.1

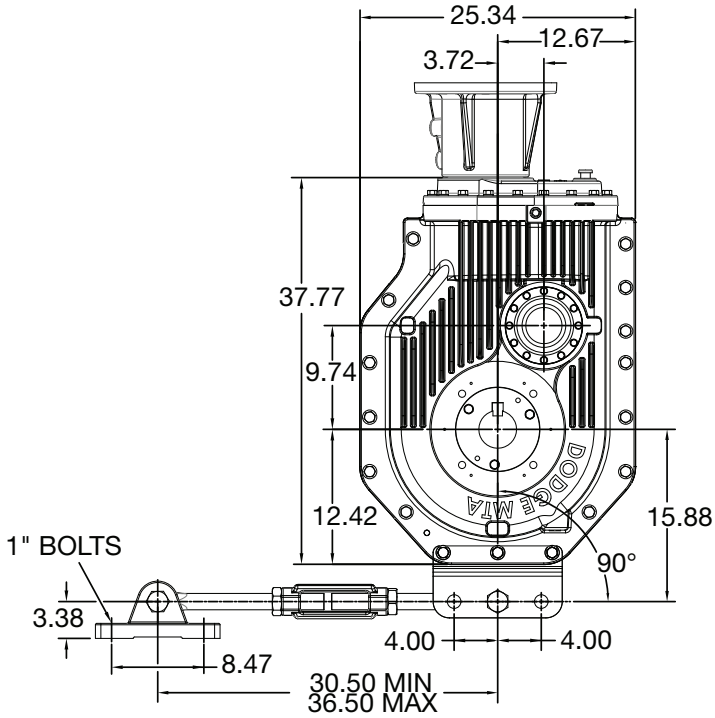
End covers fit both the outside and inside of MTA reducer.

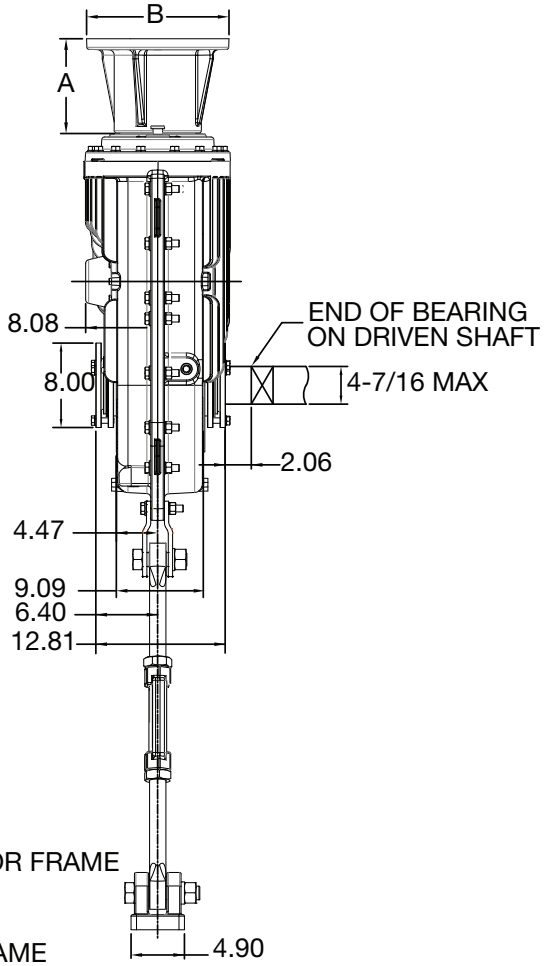
TA7315H Accessories for Screw Conveyor Drives (4) (5)

Description	Part Number	Weight lbs.
TA7315SCA Adapter & 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 3-7/16Drive 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

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

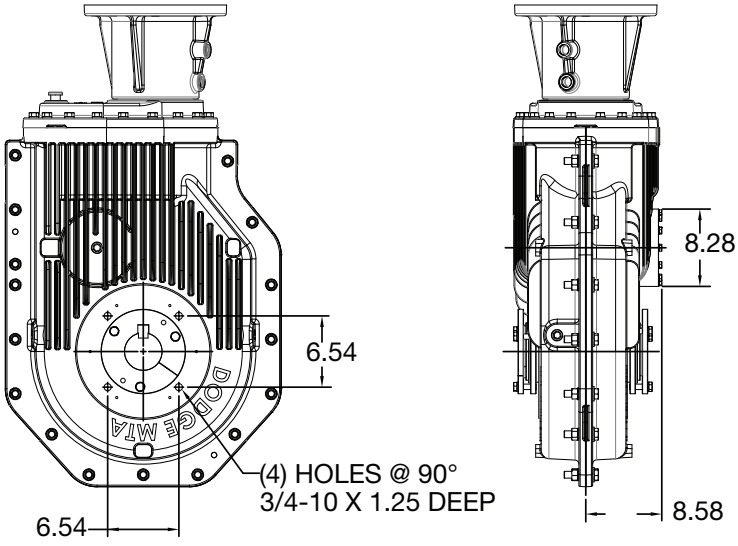
MTA8407 Shaft Mounted Reducer





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
9.100 - 360 NEMA MOTOR FRAME
6.980 - 320TSC & 360TSC NEMA MOTOR FRAME
10.508 - 405 NEMA MOTOR FRAME
7.508 - 405TSC NEMA MOTOR FRAME

B = 9.00 - 180/210/250 NEMA MOTOR FRAME
11.00 - 280 NEMA AND 280TSC MOTOR FRAME
13.00 - 320/360/405 NEMA AND TSC MOTOR FRAMES



Reducer with Backstop

MTA8407 Shaft Mounted Accessories

MTA8407 C-Face Reducer Weights with adapter (lbs)

	Adapter size									
Reducer	**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-TA12 Vertical Breather Kit	904112	3.0
Filter Breather Kit	430049	0.2
TA4-TA9 Hydra-Lock Dessicant Breather Kit	964364	0.8

Bushing & Safety End Covers

Reducer Size	Metal End Cover Part Numbers			Weight
	Closed	Weight	Split	
MTA8407H	908114	2.5	908115	2.0
Reducer Size	**ABS Polymer End Cover Part Numbers**			**Weight**
	Closed	**Weight**	**Split**	
MTA8407H	472252	1.7	472253	1.2

End covers fit both the outside and inside of MTA reducer.

TA8407H 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	908023	36.7	7/8 x 7/16 x 12.82

TA8407H Short shaft Tapered Bushing Kits

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

▲ AGMA maximum bore size

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

(6) Bushing kit is not required to mount TA II reducer on SCS 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

Bushing End Covers

Reducer Size	Metal End Cover Part Numbers			Weight	Reducer Size	ABS End Cover Part Numbers			Weight
	Closed	Weight	Split			Closed	Weight	Split	
TA2115H	902114	0.6	902115	0.5	TA2115H	454374	0.6	454375	0.5
TA3203H	903114	0.9	903115	0.8	TA3203H	472052	0.6	472053	0.5
TA4207H	904114	1.2	904115	1.0	TA4207H	454500	1.2	454501	1.0
TA5215H	905114	1.5	905115	1.2	TA5215H	454570	1.5	454571	1.0
TA6307H	906114	1.5	906115	1.2	TA6307H	454570	1.5	454571	1.0
TA7315H	907114	2.2	907115	1.8	TA7315H	472152	1.6	472153	1.1
TA8407H	908114	2.5	908115	2.0	TA8407H	472252	1.7	472253	1.2

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

Oil Sump Immersion Heaters (2)

Reducer Size	Part Number
TA0-TA3	Not Available
TA4	241103 (3)
TA5-TA6	241104
TA7-TA9	241105
TA10-TA12	Consult DODGE

(2) 120 volt, single phase, AC cartridge heater, threads into special tapped housing hole. Provides for approximately 70 degrees (F) temperatures rise in one hour for cold climates. Simple time phased on/off construction without thermostat.

(3) Reducers have to be factory modified to allow installation of sump heater. Reducer mounting position will determine modification requirement. Consult DODGE.

V-ring Seal Kits

Reducer Size	Part	Weight
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

Harsh Duty Breathers

Enclosed Chamber

Reducer Size	Part Number
TA0-TA9	240050
TA10-TA12	240051

Filter Breather

Reducer Size	Part Number
TA0-TA3	430048
TA4-TA12	430049

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

Aftermarket Replacement Parts

Motorized Torque-Arm Seal Kits (5)

Reducer Size	Part Number	Weight
MTA2115H	M2SEALKIT	0.60
MTA3203H	M3SEALKIT	0.8
MTA4207H	M4SEALKIT	1.00
MTA5215H	M5SEALKIT	1.2
MTA6307H	M6SEALKIT	1.50
MTA7315H	M7SEALKIT	1.65
MTA8407H	M8SEALKIT	1.75

(5) Kit includes 2 output seals, 1 input seal, 2 output excluder seals

Motorized Torque-Arm Backstop Cover and Gasket (6)

Reducer Size	Part Number	Weight
MTA2115H	M2BSCVRKIT	0.40
MTA3203H	M3BSCVRKIT	0.45
MTA4207H	M4BSCVRKIT	0.50
MTA5215H	M5BSCVRKIT	0.60
MTA6307H	M6BSCVRKIT	0.70
MTA7315H	M7BSCVRKIT	0.80
MTA8407H	M8DSCVRKIT	0.85

(6) Kit includes backstop cover and cork gasket

Motorized Torque-Arm Coupling Replacement Parts (7) Full Coupling Part numbers for motor frames listed below

Reducer Size	180C	210C	250C	280C	280TSC	–
MTA2115H	M2-18CPLKIT	M2-21CPLKIT	M2-25CPLKIT	–	–	–
MTA3203H	M3-18CPLKIT	M3-21CPLKIT	M3-25CPLKIT	–	M3-28CPLKITTSC	–
MTA4207H	M4-18CPLKIT	M4-21CPLKIT	M4-25CPLKIT	M4-28CPLKIT	M4-28CPLKITTSC	–
MTA5215H	M5-18CPLKIT	M5-21CPLKIT	M5-25CPLKIT	M5-28CPLKIT	M5-28CPLKITTSC	–
MTA6307H	–	M6-21CPLKIT	M6-25CPLKIT	M6-28CPLKIT	M6-28CPLKITTSC	–
MTA7315H	–	M7-21CPLKIT	M7-25CPLKIT	M7-28CPLKIT	M7-28CPLKITTSC	–
MTA8407H	–	M8-21CPLKIT	M8-25CPLKIT	M8-28CPLKIT	M8-28CPLKITTSC	–
	320C	**320TSC**	**360C**	**360TSC**	**405C**	**405TSC**
MTA2115H	–	–	–	–	–	–
MTA3203H	–	–	–	–	–	–
MTA4207H	–	M4-32CPLKITTSC	–	–	–	–
MTA5215H	M5-32CPLKIT	M5-32CPLKITTSC	M5-36CPLKIT	M5-36CPLKITTSC	–	–
MTA6307H	M6-32CPLKIT	M6-32CPLKITTSC	M6-36CPLKIT	M6-36CPLKITTSC	–	–
MTA7315H	M7-32CPLKIT	M7-32CPLKITTSC	M7-36CPLKIT	M7-36CPLKITTSC	M7-40CPLKIT	M7-40CPLKITTSC
MTA8407H	M8-32CPLKIT	M8-32CPLKITTSC	M8-36CPLKIT	M8-36CPLKITTSC	M8-40CPLKIT	M8-40CPLKITTSC

(7) Kit includes two coupling halves and element

Coupling ELEMENT ONLY Part Numbers for Motor Frames

Reducer Size	180C	210C	250C	280C	280TSC	–
MTA2115H	334291	334291	334291	–	–	–
MTA3203H	334291	334291	334291	–	334291	–
MTA4207H	454424	454424	454424	454424	454424	–
MTA5215H	454424	454424	454424	454424	454424	–
MTA6307H	–	454424	454424	454424	454424	–
MTA7315H	–	454424	454424	454424	454424	–
MTA8407H	–	454424	454424	454424	454424	–
	320C	**320TSC**	**360C**	**360TSC**	**405C**	**405TSC**
MTA2115H	–	–	–	–	–	–
MTA3203H	–	–	–	–	–	–
MTA4207H	454434	454434	–	–	–	–
MTA5215H	454434	454434	454434	454434	–	–
MTA6307H	454434	454434	454434	454434	–	–
MTA7315H	454434	454434	454434	454434	454434	454434
MTA8407H	454434	454434	454434	454434	454434	454434

Mounting Positions

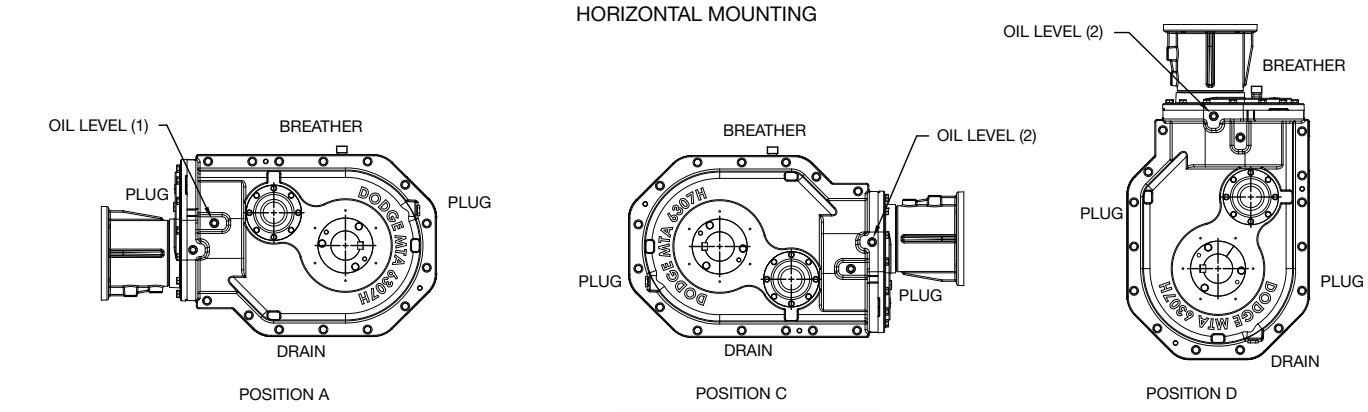
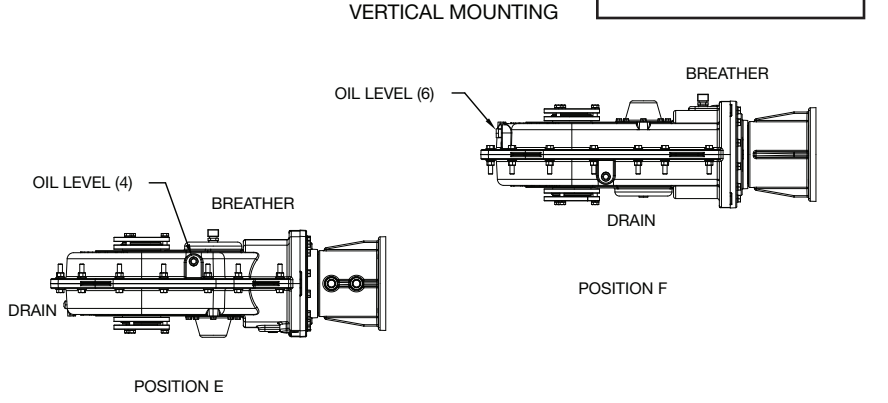


FIGURE 1



Vent and Plug Locations

Mounting Position	Vent and Plug Locations for all Speeds						
	1	2	3	4	5	6	7
Position A	Oil Level	Plug	Plug	Drain	Breather	Plug	Plug
Position C	Plug	Oil Level	Plug	Breather	Drain	Plug	Plug
Position D	Plug	Oil Level	Breather	Plug	Plug	Drain	Plug
Position E	Plug	Plug	Plug	Oil Level	Plug	Drain	Breather
Position F	Breather	Plug	Plug	Plug	Plug	Oil Level	Drain

Oil Volumes

Case Size	Oil Volume in Quartsz † ■ ▲ ● ⊙						Oil Volume in Liters † ■ ▲ ● ⊙					
	Horizontal				Vertical		Horizontal				Vertical	
	A	B	C	D	E (Up)	F (Down)	A	B	C	D	E (Up)	F (Down)
MTA2115H	4-1/4	B	3-5/8	7	5-3/8	5-5/8	3-3/4	B	3-1/2	6-5/8	5	5-3/8
MTA3203H	6-3/8	B	4-3/8	9	7-3/8	7-5/8	6	B	4-1/8	8-5/8	7	7-1/8
MTA4207H	8-1/4	B	6-3/4	13-1/8	9-1/4	9-5/8	7-7/8	B	6-3/8	12-3/8	8-7/8	9-1/8
MTA5215H	14	B	10-1/8	19-3/4	16	16-7/8	13-1/4	B	9-5/8	18-3/4	15-1/8	16
MTA6307H	18-3/8	B	15-3/8	26-1/8	23-1/2	24-7/8	17-3/8	B	14-1/2	25-3/4	22-1/4	23-1/2
MTA7315H	25	B	19-5/8	32	23-1/4	26-1/2	23-5/8	B	18-1/2	30-1/4	22	25-1/8
MTA8407H	29-1/8	B	22-5/8	44	31-3/4	31-3/4	27-5/8	B	21-3/8	41-5/8	30	30

† Refer to Figure 1 for mounting positions

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

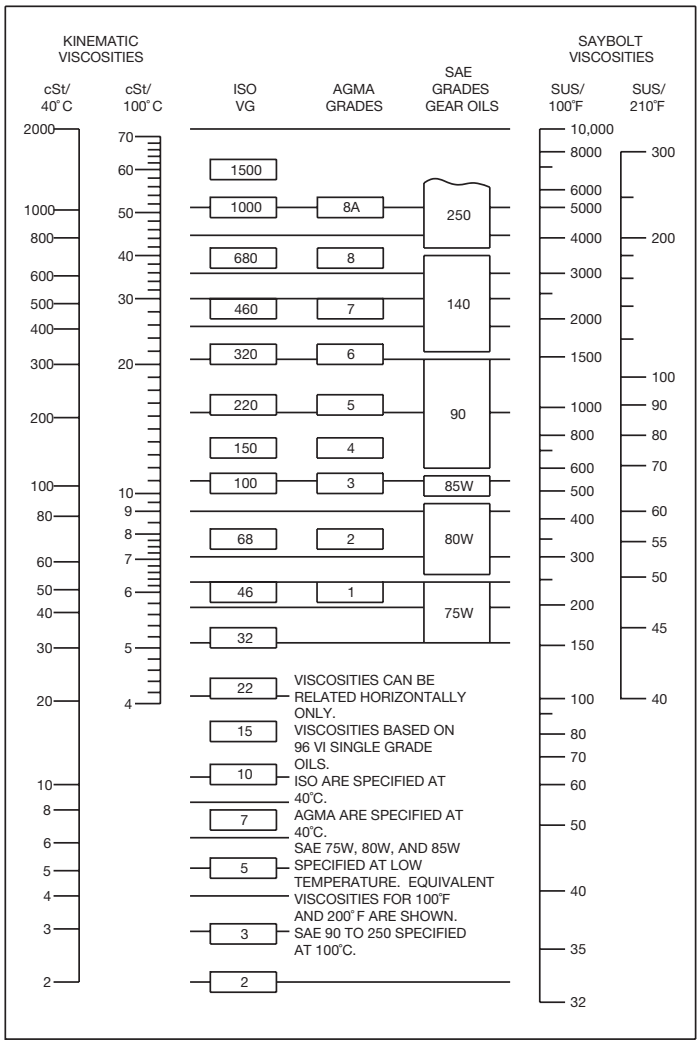
▲ US measure: 1 quart = 32 fluid ounces =.94646 liters

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

⊙ Position B not shown OR recommended, check with factory

MTA Engineering Information

Oil Viscosity Equivalence Chart



Recommended Lubricants for Motorized Torque Arm II Reducers

	Standard Oils		EP Oils	
EXXON				
150	Teresstic	150	Spartan EP	150
220		220		220
320		320		320
CHEVRON				
150	Machine	150	Gear Compound EP	150
220		220		220
320		320		320
UNICAL				
150	Turbine Oil	150	Extra Duty HL Gear Lube	141
220		220		207
320		320		300
MOBIL SYNTHETIC				
150	SHC	150	SHC XMP	150
220		220		220
320		320		320
MOBIL				
150	Mobil DTE	Extra Heavy	MobilGear 600 XP	150
220		BB		220
320		AA		320
TEXACO				
150	Regal Oil R&O	150	Meropa	150
220		220		220
320		320		320
SHELL				
150	Morlina Oil	150	Omala	150
220		220		220
320		320		320

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

Table 1 – Oil Recommendations

ISO Grades For Ambient Temperatures of 50°F to 125°F

Output RPM	Motorized Torque-Arm II Reducer Size 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

ISO Grades For Ambient Temperatures of 15°F to 60°F

Output RPM	Motorized Torque-Arm II Reducer Size MTA...						
	2115H	3203H	4207H	5215H	6307H	7315H	8407H
151 – 200	220	150	150	150	150	150	150
126 – 150	220	150	150	150	150	150	150
101 – 125	220	220	150	150	150	150	150
81 – 100	220	220	220	150	150	150	150
41 – 80	220	220	220	150	150	150	150
11 – 40	220	220	220	220	220	220	220
1 – 10	220	220	220	220	220	220	220

1. Assumes auxiliary cooling where recommended in the catalog.
2. Pour point of lubricant selected should be at least 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.

Dodge Motorized Torque-Arm II Speed Reducers – General Specification:

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

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

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

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

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

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

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

Dodge Motorized Torque-Arm II Screw Conveyor Drives – General Specification:

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

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

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

Motorized Torque-Arm is ATEX certified.

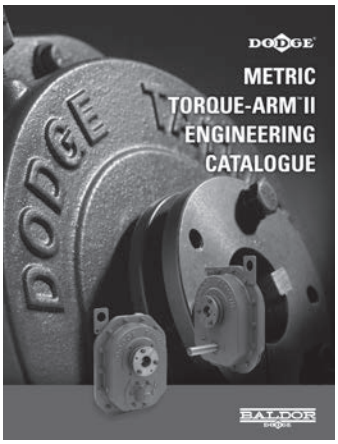
Motorized Torque-Arm has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 2 and M2 equipment, which is intended for use in potentially explosive atmospheres.

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

Notes

Notes

For Additional Gearing Information Please See the Following Publications:

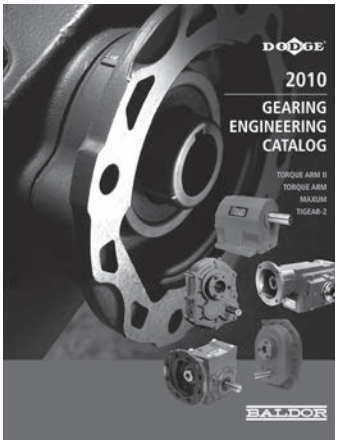


Metric Torque Arm II
ICA1602

- 12 case sizes
- Metric TAII Reducers
- Metric Twin Taper Bushings
- Metric Modular accessories
- Shaft sizes up to 190mm
- Torque Ratings up to 50,000 N-M

2009 Quantis Engineering Catalog
CA1603

- In Line Helical (ILH)
- Right Angle Helical Bevel (RHB)
- Motorized Shaft Mount (MSM)
- Eight sizes (38 through 168)
- Four Input Configurations
- Torque Ratings up to 120k in-lbs
- High efficiency product

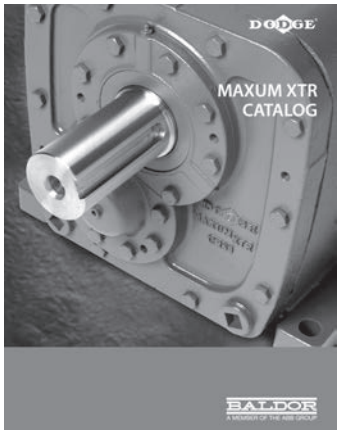


2010 Gearing Engineering Catalog
CA1601

- Torque-Arm II
  – 12 case sizes
  – Shaft sizes up to 7”
  – Torque ratings up to 328,000 in/lbs
  – HNBR seals
  – EP lube compatible backstop design
- Torque-Arm
  – TXT
    - 14 case sizes, up to 10” shaft size
    - Torque ratings up to 1,000,000 in/lbs
  – SCXT
    - 8 case sizes
    - Torque ratings up to 110,00 in/lbs
  – HXT/HSCXT
    - 7 case sizes, up to 57,000 in/lbs
    - SAE and Char-Lynn style inputs
  – ABHS
    - Airport Baggage handling leading
  – Bio Disc
    - Wastewater treatment design
- Maxum
  - 8 case sizes
  - Torque ratings up to 502,000 in/lbs
- Tigear 2
  - 10 case sizes, up to 4.75 C.|D.
  - Ratings up to 7,000 in/lbs
  - Enhanced Washdown
    -EZKleen
    -UltraKleen

MagnaGear XTR Reducers
CA1610

- 8 case sizes
- Parallel and Right Angle configurations
- Base or Shaft mounted
- Solid or hollow shaft output
- Torque ratings up to 1,000,000 in/lbs



Maxum XTR Reducers
CA1612

- Power dense design with increased Hp and torque ratings
- Premium seal system is standard
- Fractional to 1,100 HP
- Up to 579,000 (in-lbs) torque
- Meets or exceeds AGMA standards for proven reliability
- Multiple mounting configurations available
- 100% factory performance tested for longer service life

P.O. Box 2400, Fort Smith, AR 72902-2400 U.S.A., Ph: (1) 479.646.4711, Fax (1) 479.648.5792, International Fax (1) 479.648.5895

Baldor - Dodge

6040 Ponders Court, Greenville, SC 29615-4617 U.S.A., Ph: (1) 864.297.4800, Fax: (1) 864.281.2433

www.baldor.com

2/14 Litho 10,000