

**Two powerful gearing solutions from Baldor.
Now with greater availability.**

Maxum XTR and MagnaGear XTR gear reducers are now in stock. The same extra tough gear reducers you have come to expect from Baldor, minus the wait.



Maxum XTR

The Maxum XTR is a concentric type gear reducer with unmatched power density. Standard features include an oil level sight gage, magnetic drain plug and condition monitoring pads in the housing. Pre-designed scoop package kits can be used to easily mount a variety of motor sizes.



MagnaGear XTR

The MagnaGear XTR is a parallel or right angle type gear reducer with a flippable housing design for maximum flexibility. Standard features include an oil drain valve and condition monitoring pads in the housing. MagnaGear XTR incorporates the patented Baldor•Dodge Twin Tapered Bushing System for ease of installation and removal in shaft mount applications.

**Both Maxum XTR and MagnaGear XTR are designed for
the most rugged applications and include:**

- AGMA rated bearings with a minimum unadjusted L-10 life of 5,000 hours
- A dual seal system consisting of an oil seal protected by an excluder seal and a purgeable grease cavity on input and output shafts
- Oil seals made from premium HNBR material for superior temperature range and chemical compatibility over standard seal materials

**The Maxum XTR and the right angle MagnaGear XTR stock reducer program
includes the most popular sizes and ratios with ratings to over 500Hp.**

Stock Maxum XTR Concentric Gear Reducers



Featuring ductile iron housings, AGMA recommended minimum unadjusted bearing L-10 ratings of 5,000 hours and a standard dual seal system. No other concentric gear reducer offers this kind of value.

Maxum XTR Gear Reducer and Shaft Fan Stock Selections

Output speeds and Hp ratings are for a 1750RPM input speed. Thermal Hp ratings are for a 100F ambient temperature.

| Ratio | Output Speed | Input Hp Rating | Case Size | Maxum XTR Part Number | Thermal Hp Rating with no Fan | Thermal Hp Rating with Shaft Fan | Shaft Fan Kit Part Number (Fan Not for Use With a Scoop Package*) |
|-------|--------------|-----------------|-----------|-----------------------|-------------------------------|----------------------------------|---|
| 9.30 | 188 | 79.5 | 50 | 268707 | 42 | 78 | 271945 |
| | | 276 | 80 | 268853 | 90 | 167 | 268839 |
| | | 438 | 90 | 268903 | 112 | 316 | 268847 |
| | | 580 | 100 | 268953 | 120 | 434 | 268849 |
| 11.39 | 154 | 70.9 | 50 | 268708 | 40 | 72 | 271945 |
| 13.95 | 125 | 58.3 | 50 | 268709 | 40 | 68 | 271945 |
| | | 98.8 | 60 | 268759 | 45 | 88 | 271948 |
| | | 133 | 70 | 268809 | 62 | 108 | 271951 |
| 17.09 | 102 | 48.3 | 50 | 268710 | 39 | 62 | 271945 |
| | | 80.1 | 60 | 268760 | 42 | 82 | 271948 |
| | | 108 | 70 | 268810 | 57 | 105 | 271951 |
| | | 159 | 80 | 268856 | 77 | 134 | 268839 |
| 20.93 | 84 | 40.1 | 50 | 268711 | 37 | 56 | 271945 |
| | | 64.8 | 60 | 268761 | 40 | 75 | 271948 |
| | | 90 | 70 | 268811 | 52 | 101 | 271951 |
| | | 134 | 80 | 268857 | 69 | 123 | 268839 |
| 25.63 | 68 | 32.8 | 50 | 268712 | 36 | 52 | 271945 |
| | | 55.6 | 60 | 268762 | 40 | 71 | 271948 |
| | | 78.6 | 70 | 268812 | 50 | 91 | 271951 |
| | | 110 | 80 | 268858 | 64 | 114 | 268839 |
| | | 164 | 90 | 268908 | 71 | 240 | 268847 |

Stock Maxum XTR Concentric Gear Reducers



Maxum XTR Gear Reducer and Shaft Fan Stock Selections

Output speeds and Hp ratings are for a 1750RPM input speed. Thermal ratings are for a 100F ambient temperature.

| Ratio | Output Speed | Input Hp Rating | Case Size | Maxum XTR Part Number | Thermal Hp Rating with No Fan | Thermal Hp Rating with Shaft Fan | Shaft Fan Kit Part Number (Fan Not for Use With a Scoop Package*) |
|-------|--------------|-----------------|-----------|-----------------------|-------------------------------|----------------------------------|---|
| 31.39 | 56 | 26.2 | 50 | 268713 | 34 | 46 | 271945 |
| | | 44.2 | 60 | 268763 | 39 | 69 | 271948 |
| | | 55.6 | 70 | 268813 | 48 | 85 | 271951 |
| | | 83.2 | 80 | 268859 | 62 | 111 | 268839 |
| | | 133 | 90 | 268909 | 65 | 237 | 268847 |
| 38.44 | 46 | 19.5 | 50 | 268714 | 27 | ◇ | N/A |
| | | 32.7 | 60 | 268764 | 34 | ◇ | N/A |
| | | 45.6 | 70 | 268814 | 46 | ◇ | N/A |
| | | 64.8 | 80 | 268870 | 59 | ◇ | N/A |
| | | 106 | 90 | 268920 | 80 | 159 | 268848 |
| 47.08 | 37 | 17.0 | 50 | 268715 | 25 | ◇ | N/A |
| | | 28.4 | 60 | 268765 | 33 | ◇ | N/A |
| | | 39.5 | 70 | 268815 | 44 | ◇ | N/A |
| | | 53.6 | 80 | 268871 | 53 | ◇ | N/A |
| | | 95.8 | 90 | 268921 | 75 | 149 | 268848 |
| 57.67 | 30 | 14.7 | 50 | 267716 | 24 | ◇ | N/A |
| | | 23.7 | 60 | 268766 | 29 | ◇ | N/A |
| 70.62 | 25 | 12.0 | 50 | 268717 | 22 | ◇ | N/A |
| 86.50 | 20 | 9.73 | 50 | 268718 | 28 | ◇ | N/A |
| 105.9 | 17 | 7.93 | 50 | 268719 | 26 | ◇ | N/A |

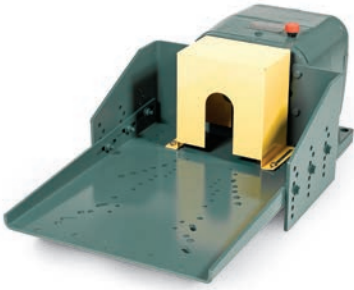
• Shaft fan kits cannot be used with a scoop package. If a scoop package and a shaft fan are required, see page 4 for scoop packages which include a shaft fan.

◇ Shaft fan not available due to input shaft length.

Shaft fan kits include fan and guard.

Maxum XTR Input Hp ratings are at a 1.0 service factor. To determine the service factor for a particular application, divide the Maxum XTR input Hp rating by the input motor Hp. Thermal Hp rating must be higher than input motor Hp rating.

Stock Maxum XTR Scoop Packages



Scoop packages are a convenient and economical way to mount a motor to a Maxum XTR. Available with Baldor•Dodge Para-Flex or Grid-Lign couplings and with or without a shaft cooling fan.

Maxum XTR Scoop Package Stock Selections

Maxum XTR Size 50 Scoop Packages

| Gear Reducer Ratio | Motor Frame Size | Scoop Package Includes Shaft Fan | Scoop Packages with Para-Flex Couplings | Scoop Packages with Grid-Lign Couplings |
|--------------------|------------------|----------------------------------|---|---|
| 9.30 - 31.39 | 254T, 256T | No | 269152 | 269167 |
| | 284T, 286T | No | 269153 | 269168 |
| | 324T, 326T | Yes | N/A | 269174 |
| 38.44 - 105.9 | 213T, 215T | No | 269162 | 269177 |
| | 254T, 256T | No | 269163 | 269178 |

Maxum XTR Size 60 Scoop Packages

| Gear Reducer Ratio | Motor Frame Size | Scoop Package Includes Shaft Fan | Scoop Packages with Para-Flex Couplings | Scoop Packages with Grid-Lign Couplings |
|--------------------|------------------|----------------------------------|---|---|
| 13.95 - 31.39 | 324T, 326T | Yes | 269188 | 269203 |
| | 364T, 365T | Yes | 269189 | 269204 |
| 38.44 - 57.67 | 254T, 256T | No | 269193 | 269208 |
| | 284T, 286T | No | 269194 | 269209 |

Maxum XTR Size 70 Scoop Packages

| Gear Reducer Ratio | Motor Frame Size | Scoop Package Includes Shaft Fan | Scoop Packages with Para-Flex Couplings | Scoop Packages with Grid-Lign Couplings |
|--------------------|------------------|----------------------------------|---|---|
| 13.95 - 31.39 | 324T, 326T | No | 269213 | 269229 |
| | 364T, 365T | Yes | 269219 | 269235 |
| 38.44 - 47.08 | 284T, 286T | No | 269223 | 269239 |
| | 324T, 326T | No | 269224 | 269240 |

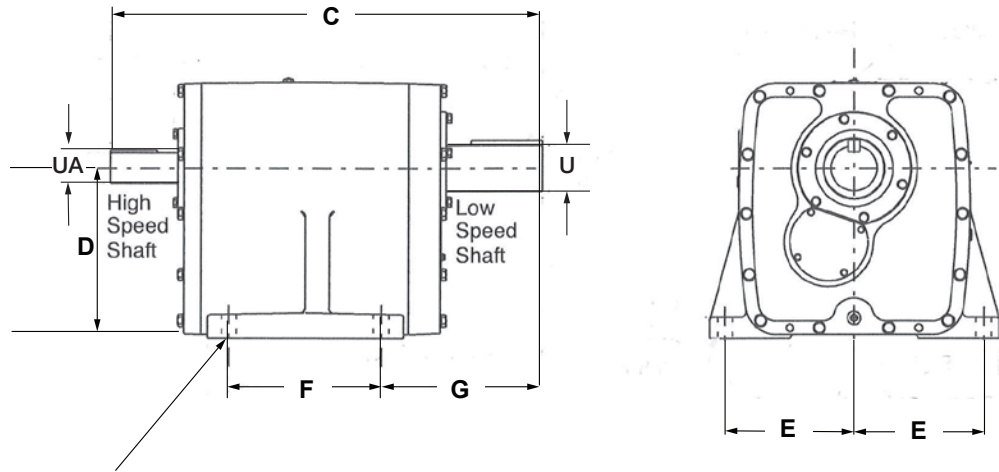
Maxum XTR Size 80 Scoop Packages

| Gear Reducer Ratio | Motor Frame Size | Scoop Package Includes Shaft Fan | Scoop Packages with Para-Flex Couplings | Scoop Packages with Grid-Lign Couplings |
|--------------------|------------------|----------------------------------|---|---|
| 17.09 - 31.39 | 364T, 365T | No | 269246 | 269262 |
| | 404T, 405T | Yes | 269252 | 269268 |
| 38.44 - 47.08 | 444T, 445T | Yes | 269253 | 269269 |
| | 324T, 326T | No | 269257 | 269273 |

Maxum XTR Size 90 Scoop Packages

| Gear Reducer Ratio | Motor Frame Size | Scoop Package Includes Shaft Fan | Scoop Packages with Para-Flex Couplings | Scoop Packages with Grid-Lign Couplings |
|--------------------|------------------|----------------------------------|---|---|
| 25.63 - 31.39 | 404T, 405T | Yes | 269281 | 269298 |
| | 444T, 445T | Yes | 269282 | 269299 |
| 38.44 - 47.08 | 364T, 365T | Yes | 269290 | 269307 |
| | 404T, 405T | Yes | 269291 | 269308 |

Stock Maxum XTR Concentric Gear Reducer Dimensions



4-Holes for H Diameter Bolts

| Maxum XTR Case Size | Ratio | C | D | E | F | G | H | U | UA |
|---------------------|--------|-------|-------|-------|-------|-------|-------|-----------------|-----------------|
| CR50 | Double | 21.54 | 9.60 | 7.30 | 7.10 | 8.10 | 0.875 | 2.5000 / 2.4995 | 1.6250 / 1.6245 |
| | Triple | 21.54 | | | | | | | 1.2500 / 1.2495 |
| CR60 | Double | 24.94 | 10.60 | 8.20 | 10.00 | 8.00 | 1.00 | 2.7500 / 2.7495 | 1.8750 / 1.8745 |
| | Triple | 24.32 | | | | | | | 1.2500 / 1.2495 |
| CR70 | Double | 28.34 | 11.66 | 9.30 | 11.30 | 9.20 | 1.125 | 3.250 / 3.249 | 2.1250 / 2.1245 |
| | Triple | 27.28 | | | | | | | 1.3750 / 1.3745 |
| CR80 | Double | 31.68 | 12.78 | 10.20 | 13.20 | 10.00 | 1.25 | 3.500 / 3.499 | 2.2500 / 2.2495 |
| | Triple | 30.64 | | | | | | | 1.5000 / 1.4995 |
| CR90 | Double | 35.08 | 15.74 | 11.40 | 14.30 | 11.50 | 1.50 | 4.000 / 3.999 | 2.5000 / 2.4995 |
| | Triple | 33.66 | | | | | | | 2.0000 / 1.9995 |
| CR100 | Double | 38.50 | 17.40 | 12.20 | 14.96 | 13.14 | 1.50 | 4.500 / 4.499 | 2.7500 / 2.7485 |
| | Triple | 37.14 | | | | | | | 2.1250 / 2.1245 |

Stock MagnaGear XTR Right Angle Gear Reducers



Featuring AGMA recommended minimum unadjusted bearing L-10 ratings of 5,000 hours, a standard dual seal system and the patented Baldor•Dodge Twin Tapered Bushing System. Ready to go from stock for the toughest applications.

MagnaGear XTR Gear Reducer Stock Selections

Output speeds and Hp ratings are for a 1750RPM input. Thermal Hp ratings are for a 100F ambient temperature.

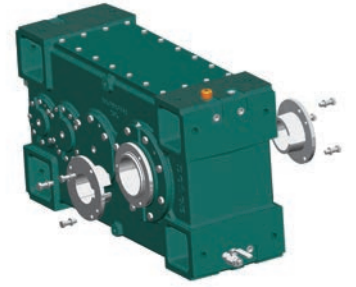
| Ratio | Output Speed | Input Hp Rating | Case Size | MagnaGear XTR Part Number | Thermal Hp Rating with No Fan | Thermal Hp Rating with Shaft Fan |
|-------|--------------|-----------------|-----------|---------------------------|-------------------------------|----------------------------------|
| 16 | 109 | 256 | G150 | 449049BC | 107 | 182 |
| | | 355 | G210 | 449194BC | 134 | 230 |
| | | 478 | G285 | 449371BC | 149 | 262 |
| | | 595 | G390 | 449485BC | 158 | 280 |
| 20 | 88 | 201 | G150 | 449051BC | 94 | 155 |
| | | 288 | G210 | 449196BC | 119 | 195 |
| | | 393 | G285 | 449373BC | 132 | 223 |
| | | 532 | G390 | 449487BC | 140 | 237 |
| 25 | 70 | 169 | G150 | 449053BC | 94 | 155 |
| | | 226 | G210 | 449198BC | 119 | 195 |
| | | 313 | G285 | 449375BC | 132 | 223 |
| | | 434 | G390 | 449489BC | 140 | 237 |
| 31.5 | 56 | 137 | G150 | 449055BC | 85 | 125 |
| | | 189 | G210 | 449200BC | 107 | 157 |
| | | 263 | G285 | 449377BC | 119 | 180 |
| | | 331 | G390 | 449491BC | 126 | 192 |

MagnaGear XTR Input Hp rating is at a 1.0 service factor. To determine the service factor for a particular application, divide the MagnaGear XTR input Hp rating by the input motor Hp.

Thermal Hp rating must be higher than input motor Hp rating. If a shaft fan is required, see next page for fan part numbers.

Stock MagnaGear XTR Bushing Kits, Shafts, Fans and Backstops

The Baldor•Dodge Twin Tapered Bushing System. Dual bushing security, easy installation and removal.



MagnaGear XTR Shaft, Fan and Backstop Stock Selections

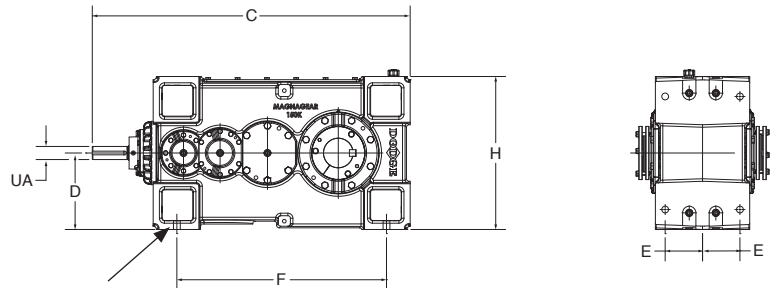
| MagnaGear XTR Part Number | Hollow Shaft Diameter | Removable Solid Shaft Diameter | Twin Tapered Bushing Kit Part Number | Stub Shaft Part Number | Shaft Fan Part Number | Backstop Part Number |
|---------------------------|-----------------------|--------------------------------|--------------------------------------|------------------------|-----------------------|----------------------|
| 449049BC | 4-7/16 | 4.33 (110mm) | 454081 | 964536 | 454008 | 453923 |
| 449194BC | 4-15/16 | 4.72 (120mm) | 454099 | 964537 | 454011 | 453924 |
| 449371BC | 6 | 5.12 (130mm) | 454114 | 964538 | 451526 | 453925 |
| 449485BC | 7 | 5.71 (145mm) | 454130 | 964539 | 454016 | 453926 |
| 449051BC | 4-7/16 | 4.33 (110mm) | 454081 | 964536 | 454008 | 453923 |
| 449196BC | 4-15/16 | 4.72 (120mm) | 454099 | 964537 | 454011 | 453924 |
| 449373BC | 6 | 5.12 (130mm) | 454114 | 964538 | 451526 | 453925 |
| 449487BC | 7 | 5.71 (145mm) | 454130 | 964539 | 454016 | 453926 |
| 449053BC | 4-7/16 | 4.33 (110mm) | 454081 | 964536 | 454008 | 453923 |
| 449198BC | 4-15/16 | 4.72 (120mm) | 454099 | 964537 | 454011 | 453924 |
| 449375BC | 6 | 5.12 (130mm) | 454114 | 964538 | 451526 | 453925 |
| 449489BC | 7 | 5.71 (145mm) | 454130 | 964539 | 454016 | 453926 |
| 449055BC | 4-7/16 | 4.33 (110mm) | 454081 | 964536 | 454008 | 453923 |
| 449200BC | 4-15/16 | 4.72 (120mm) | 454099 | 964537 | 454011 | 453924 |
| 449377BC | 6 | 5.12 (130mm) | 454114 | 964538 | 451526 | 453925 |
| 449491BC | 7 | 5.71 (145mm) | 454130 | 964539 | 454016 | 453926 |

Stock MagnaGear XTR reducers have a hollow shaft output. If using the reducer in a application requiring a hollow output shaft, select the appropriate Twin Tapered Bushing Kit part number. If a solid output shaft is required, select the appropriate Twin Tapered Bushing Kit part number and the appropriate stub shaft part number.

Stock reducers are backstop capable. If a backstop is needed select the appropriate backstop part number.

Bushing Kits, stub shafts and backstops will ship separately from the gear reducer.

Stock MagnaGear XTR Right Angle Gear Reducer Dimensions



| MagnaGear XTR Case Size | C | D | H | E | F | H | UA | Twin Tapered Bushing Kit Hollow Shaft Diameter | Stub Shaft Diameter |
|-------------------------|-------|-------|-------|------|-------|------|-----------------|--|---------------------|
| G150 | 47.80 | 11.50 | 23.00 | 5.62 | 31.52 | 1.00 | 1.9685 ± 0.0004 | 4-7/16 | 4.33 (110mm) |
| G210 | 53.91 | 12.75 | 25.50 | 5.75 | 36.00 | 1.00 | 2.1662 ± 0.0004 | 4-15/16 | 4.72 (120mm) |
| G285 | 57.73 | 13.88 | 27.76 | 6.50 | 38.69 | 1.25 | 2.3630 ± 0.0005 | 6 | 5.12 (130mm) |
| G390 | 62.80 | 14.88 | 29.76 | 7.50 | 41.68 | 1.25 | 2.5599 ± 0.0002 | 7 | 5.71 (145mm) |

Maxum XTR and MagnaGear XTR Selection Guide

Maxum XTR:

1. Determine the required gear reducer output speed and design horsepower (Hp) rating for the application. The design Hp can be determined by multiplying the input motor Hp rating by a recommended service factor for the application type. Recommended service factors for common application are published by AGMA and can be found in the Maxum XTR Catalog CA1612 and the MagnaGear XTR Catalog CA1610.
2. Once the correct output speed and design Hp are known, go to the Maxum selection charts on pages 2 and 3. Find the gear ratio and output speed in the first two columns that most closely match the required output speed. Then find the Maxum input Hp rating in column 3 that is equal to or above the design Hp requirement determined in step 1. Column 5 will contain the part number for the appropriate Maxum reducer.
3. Confirm the thermal Hp rating with no fan for the selected Maxum. The thermal Hp rating should be larger than the input motor Hp. No service factor is required for the thermal Hp rating. If the thermal rating with no fan is less than the input motor Hp rating, check the thermal rating with a shaft fan – if this rating is higher than the input Hp rating then a shaft fan will be required. Use the shaft fan kit part numbers on pages 2 and 3 if no scoop package will be used. However, if a scoop package will be used go to page 4 to select a scoop package with a fan.
4. If a scoop is required, go to page 4. Find the correct scoop package table for the case size of the Maxum. In column 1, choose the correct ratio range for the Maxum. In column 2 choose the correct range of motor frame sizes for the input motor to be used. Column 3 states if the scoop package contains a fan or not. (If a scoop package and fan are required, the scoop package with a fan must be used. A scoop package cannot be used with a fan kit from pages 2 and 3.) Columns 4 and 5 show the stock scoop packages available with either Baldor•Dodge Para-Flex or Grid-Lign couplings. The scoop package part number includes the scoop, coupling, coupling guard, motor mounting hardware and fan and fan guard if included.
5. The Maxum XTR gear reducer, fan and scoop packages will ship separately.

MagnaGear XTR:

1. Determine the required gear reducer output speed and design horsepower (Hp) rating for the application. The design Hp can be determined by multiplying the input motor Hp rating by a recommended service factor for the application type. Recommended service factors for common application are published by AGMA and can be found in the MagnaGear XTR Catalog CA1610 and the Maxum XTR Catalog CA1612.
2. Once the correct output speed and design Hp are known, go to the MagnaGear selection chart on page 6. Find the gear ratio and output speed in the first two columns that most closely match the required output speed. Then find the MagnaGear input Hp rating in column 3 that is equal to or above the design Hp requirement determined in step 1. Column 5 will contain the part number for the appropriate MagnaGear reducer.
3. Confirm the thermal Hp rating with no fan for the selected MagnaGear. The thermal Hp rating should be larger than the input motor Hp. No service factor is required for the thermal Hp rating. If the thermal rating with no fan is less than the input motor Hp rating, check the thermal rating with a shaft fan – if this rating is higher than the input Hp rating then a shaft fan will be required. A fan can be ordered using the shaft fan kit part numbers on page 7.
4. The MagnaGear reducers have hollow output shafts and require a Baldor•Dodge Twin Tapered Bushing Kit. Use the table on page 7 to select the stock Twin Tapered Bushing Kits for the MagnaGear selected. If a solid output shaft is required, a stub shaft can be used in conjunction with a Twin Tapered Bushing Kit. Stub shaft part numbers can be found on page 7.
5. Stock MagnaGear reducers are backstop capable. The backstop is not included as a standard. A backstop can be selected from the table on page 7.
6. The MagnaGear XTR gear reducer, fan, Twin Tapered Bushing Kit, stub shaft and back stop will ship separately.

Contact Baldor customer service with any questions on product selections, or for products not found in the stock selection guide.



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