

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

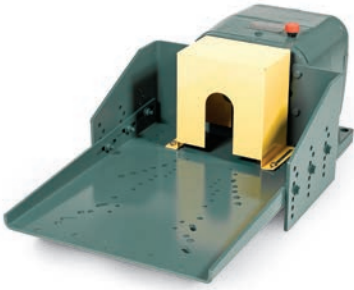
• Shaft fan kits cannot be used with a scoop package. If a scoop package and a shaft fan are required, see page 4 for scoop packages which include a shaft fan.

◇ 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

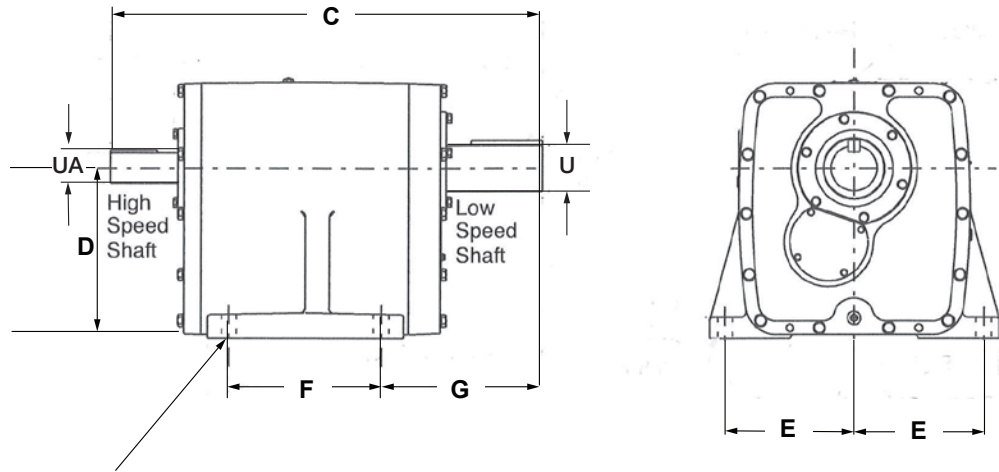
Maxum XTR Size 80 Scoop Packages

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.

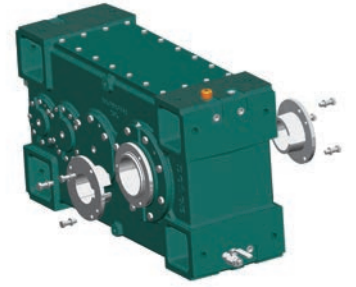
Ratio	Output Speed	Input Hp Rating	Case Size	MagnaGear XTR Part Number	Thermal Hp Rating with No Fan	Thermal Hp Rating with Shaft Fan
16	109	256	G150	449049BC	107	182
		355	G210	449194BC	134	230
		478	G285	449371BC	149	262
		595	G390	449485BC	158	280
20	88	201	G150	449051BC	94	155
		288	G210	449196BC	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

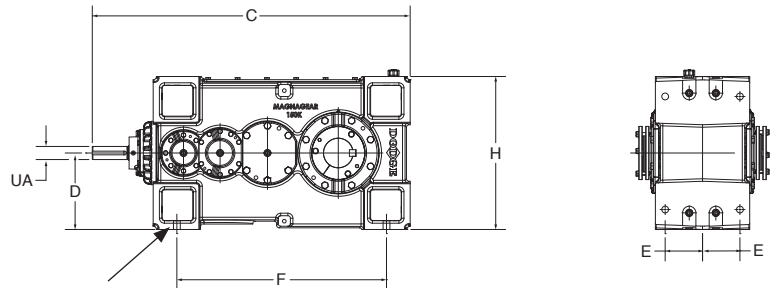
MagnaGear XTR Part Number	Hollow Shaft Diameter	Removable Solid Shaft Diameter	Twin Tapered Bushing Kit Part Number	Stub Shaft Part Number	Shaft Fan Part Number	Backstop Part Number
449049BC	4-7/16	4.33 (110mm)	454081	964536	454008	453923
449194BC	4-15/16	4.72 (120mm)	454099	964537	454011	453924
449371BC	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.



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