



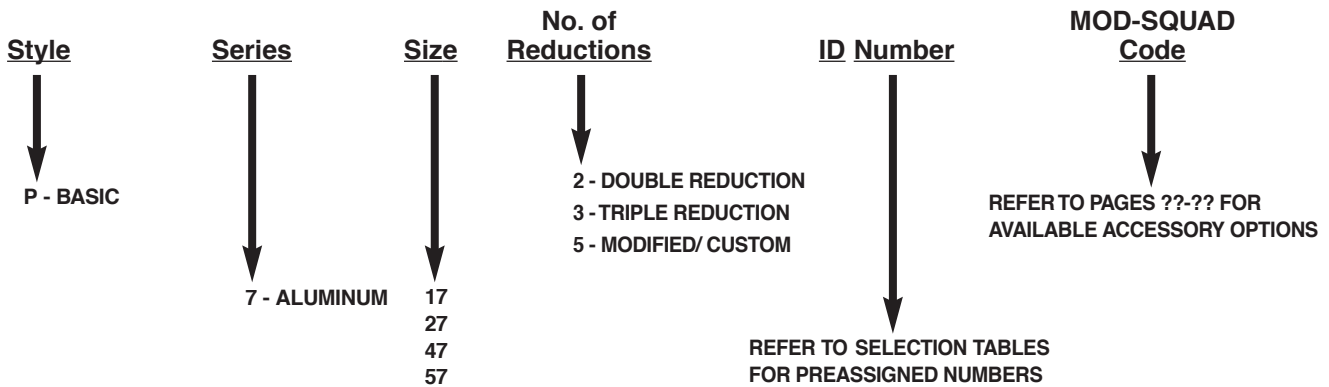
LeCENTRIC™ CATALOGUE NUMBER SYSTEM

LEESON 700 Series Gear Reducer Catalogue Number Nomenclature

All stock and custom 700 series reducers are identified by a catalogue number – for example P7272001.B1. The catalogue number appears on the nameplate and describes pertinent features of the reducer. An example follows, along with a listing of the various letters and positions used.

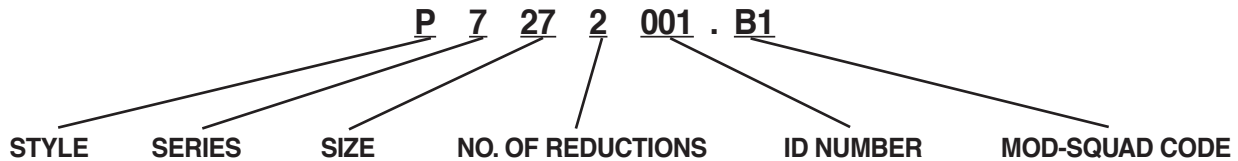
Reducers and renewal parts should be ordered using the catalogue number. If a base or flange is factory assembled to a reducer, the assigned suffix code (i.e. B1) will be added to the catalogue number. Accessories that are field installed will not be noted on the reducer nameplate. Reducers furnished without a base or flange will have a suffix code of “00.”

Catalog numbers 5000 and higher (for example P7475001.B1) are custom reducers manufactured for a specific application. The machinery or equipment manufacturer should be contacted for replacement reducers. Renewal parts can be ordered from LEESON by catalogue number.



Sample Catalog Number

Standard aluminum construction, double reduction, size 27, with SEW interchange base.



SPECIFY REDUCER MOUNTING POSITION AT TIME OF ORDER. REFER TO PAGE 147 FOR POSSIBLE MOUNTING POSITIONS. LeCENTRIC™ REDUCERS WILL BE FACTORY FILLED WITH OIL FOR POSITION H3 UNLESS OTHERWISE SPECIFIED.

Typical Nameplate

LEESON HYDRO • MEC			
MAX INPUT HP @ 1750 RPM	5.18	OUTPUT TORQUE (IN-LBS)	623
CATALOG NO.	P7272001.B1	RATIO	3.48 :1
MOUNTING POSITION	H3	DATE CODE	BO3
LEESON ELECTRIC GRAFTON, WISCONSIN 53024			

How To Use Maximum Rating Tables

Maximum Rating Tables for Double Reduction Gear Reducers are shown on pages 128-131. Triple Reduction Maximum Rating Tables are shown on pages 132-135. Selection of the appropriate gear reducer can be made using these tables.

BEFORE YOU START:

Identify the Service Factor of the application.

Determine the actual input horsepower of the motor by multiplying the motor's nameplate horsepower by the Service Factor.

Determine the output speed (RPM) required at output shaft of reducer.

Identify the mounting style required by your application from the style charts shown on pages 138-139. Note the different bases and flanges to interchange with various competitive units.

To select the proper gear reducer size, use the Maximum Rating Tables as shown:

DOUBLE REDUCTION MAXIMUM RATING TABLES

717 SERIES • ALUMINUM CASE

717 Series • 1.0 S.F. • Aluminum Case • 1750 RPM

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output ¹ OHL (lb.)	NON-MOTORIZED		MOTORIZED QUILL INPUT	
					Basic Reducer Catalog Number ²	Motor Frame	Basic Reducer Catalog Number ²	Basic Reducer Catalog Number ²
503	532	4.42	3.48	204	P7172045.XX	56C	P7172001.XX	P7172023.XX
405	532	3.56	4.32	216	P7172046.XX	56C	P7172002.XX	P7172024.XX
318	532	2.80	5.50	230	P7172047.XX	56C	P7172003.XX	P7172025.XX
275	532	2.42	6.36	250	P7172048.XX	56C	P7172004.XX	P7172026.XX
241	532	2.12	7.26	260	P7172049.XX	56C	P7172005.XX	P7172027.XX
222	532	1.95	7.89	266	P7172050.XX	56C	P7172006.XX	
194	798	2.56	9.02	277	P7172051.XX			
174	798	2.30	10.04	284	P7172052.XX			
150	798	1.98	11.64	293	P7172053.XX			
132	798	1.74	13.26	305	P7172054.XX	56C	P7172010.XX	P7172032.XX
114	798	1.50	15.37	321	P7172055.XX	56C	P7172011.XX	P7172033.XX
105	798	1.40	16.48	335	P7172056.XX	56C	P7172012.XX	P7172034.XX
93	798	1.21	19.11	350	P7172057.XX	56C	P7172013.XX	P7172035.XX
83	798	1.07	21.54	374	P7172058.XX	56C	P7172014.XX	P7172036.XX
73	798	1.04	22.26	375	P7172059.XX	56C	P7172015.XX	P7172037.XX
63	798	0.86	26.77	420	P7172060.XX	56C	P7172016.XX	
60	798	0.79	29.40	435	P7172061.XX	56C	P7172017.XX	
48	798	0.63	36.5	470	P7172062.XX			
45	798	0.60	38.77	478	P7172063.XX			

Basic Motorized Quill Input Reducer

Basic Non-Motorized Input Reducer

1 Find the appropriate Maximum Rating Tables pages for your basic mounting style. The tables begin on page 128.

2 Locate output RPM column on left side of the table. All ratings are based on an input speed of 1750 RPM. Scroll down to the output speed (RPM) required. Output speeds are rounded to the nearest whole number. For exact output speed, divide 1750 by the ratio listed.

3 Move across the table to the Input HP column until you find a rating that is equal to or greater than the actual input horsepower required. Once located, check the top of the table to identify the correct gear reducer size (717, 727, 747, 757, etc.).

4 Check load capacities against the needs of your application. Do not exceed the overhung load (OHL) capacity shown in the table. Detailed instructions for calculating the actual overhung load are shown on page 146. If overhung and thrust loads will be applied simultaneously or if the load exceeds listed capacities, contact LEESON.

5 Select motor frame size if reducer is to have a motorized input.

6 Identify the catalog number of the reducer by continuing to the right. See page 38 for detailed information on building an exact catalog number. The XX suffix will be replaced with optional Mod-Squad codes as detailed on page 136.

7 Verify physical dimensions using the dimensional drawings shown on pages 140-143.

8 Determine reducer mounting position from page 147.

127



DOUBLE REDUCTION MAXIMUM RATING TABLES

717 SERIES • ALUMINUM CASE

717 Series • 1.0 S.F. • Aluminum Case • 1750 RPM Input



Basic Motorized
Quill Input Reducer



Basic Non-Motorized
Input Reducer

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output* OHL (lbs.)	NON-MOTORIZED	MOTORIZED QUILL INPUT
					Basic Reducer Catalog Number**	Motor Frame
503	532	4.42	3.48	204	P7172045.XX	56C 143-5TC P7172001.XX P7172023.XX
405	532	3.56	4.32	216	P7172046.XX	56C 143-5TC P7172002.XX P7172024.XX
318	532	2.80	5.50	230	P7172047.XX	56C 143-5TC P7172003.XX P7172025.XX
275	532	2.42	6.36	250	P7172048.XX	56C 143-5TC P7172004.XX P7172026.XX
241	532	2.12	7.26	260	P7172049.XX	56C 143-5TC P7172005.XX P7172027.XX
222	532	1.95	7.89	266	P7172050.XX	56C 143-5TC P7172006.XX P7172028.XX
194	798	2.56	9.02	277	P7172051.XX	56C 143-5TC P7172007.XX P7172029.XX
174	798	2.30	10.04	284	P7172052.XX	56C 143-5TC P7172008.XX P7172030.XX
150	798	1.98	11.64	293	P7172053.XX	56C 143-5TC P7172009.XX P7172031.XX
132	798	1.74	13.26	305	P7172054.XX	56C 143-5TC P7172010.XX P7172032.XX
114	798	1.50	15.37	321	P7172055.XX	56C 143-5TC P7172011.XX P7172033.XX
106	798	1.40	16.48	335	P7172056.XX	56C 143-5TC P7172012.XX P7172034.XX
92	798	1.21	19.11	350	P7172057.XX	56C 143-5TC P7172013.XX P7172035.XX
81	798	1.07	21.54	374	P7172058.XX	56C 143-5TC P7172014.XX P7172036.XX
79	798	1.04	22.26	375	P7172059.XX	56C 143-5TC P7172015.XX P7172037.XX
65	798	0.86	26.77	420	P7172060.XX	56C P7172016.XX
60	798	0.79	29.40	435	P7172061.XX	56C P7172017.XX
48	798	0.63	36.54	470	P7172062.XX	56C P7172018.XX
46	798	0.60	38.37	478	P7172063.XX	56C P7172019.XX
37	798	0.48	47.69	507	P7172064.XX	56C P7172020.XX
35	798	0.46	50.67	510	P7172065.XX	56C P7172021.XX
28	798	0.37	62.97	532	P7172066.XX	56C P7172022.XX

*Overhung load is calculated at centerline of output shaft.

**Catalog numbers are for basic reducer without base or output flange.

WHEN ORDERING, SUBSTITUTE THE XX SUFFIX WITH REQUIRED MOD-SQUAD CODE. FOR AVAILABLE INTERCHANGE BASE AND OUTPUT FLANGE CODES SEE PAGES 136-139.

IN THIS CATALOGUE

RPM = Revolutions Per Minute
HP = Horsepower
TQ = Torque (lb-in.)
OHL = Overhung Load In Pounds At Centerline Of Output Shaft With No Thrust Load.
TL = Thrust Load (lbs.) - Output Shaft

SELECT REDUCER MOUNTING POSITION ON PAGE 147

DOUBLE REDUCTION MAXIMUM RATING TABLES

727 SERIES • ALUMINUM CASE



727 Series • 1.0 S.F. • Aluminum Case • 1750 RPM Input

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output* OHL (lbs.)	NON-MOTORIZED	MOTORIZED QUILL INPUT	
					Basic Reducer Catalog Number**	Motor Frame	Basic Reducer Catalog Number**
503	623	5.18	3.48	268	P7272045.XX	56C 143-5TC	P7272001.XX P7272023.XX
405	775	5.19	4.32	289	P7272046.XX	56C 143-5TC	P7272002.XX P7272024.XX
318	887	4.67	5.50	350	P7272047.XX	56C 143-5TC	P7272003.XX P7272025.XX
275	949	4.32	6.36	376	P7272048.XX	56C 143-5TC	P7272004.XX P7272026.XX
241	1065	4.24	7.26	391	P7272049.XX	56C 143-5TC	P7272005.XX P7272027.XX
222	1011	3.70	7.89	400	P7272050.XX	56C 143-5TC	P7272006.XX P7272028.XX
194	1065	3.41	9.02	412	P7272051.XX	56C 143-5TC	P7272007.XX P7272029.XX
174	1109	3.19	10.04	420	P7272052.XX	56C 143-5TC	P7272008.XX P7272030.XX
150	1109	2.76	11.64	445	P7272053.XX	56C 143-5TC	P7272009.XX P7272031.XX
132	1190	2.60	13.26	476	P7272054.XX	56C 143-5TC	P7272010.XX P7272032.XX
114	1190	2.24	15.37	508	P7272055.XX	56C 143-5TC	P7272011.XX P7272033.XX
106	1158	2.03	16.48	520	P7272056.XX	56C 143-5TC	P7272012.XX P7272034.XX
92	1158	1.75	19.11	535	P7272057.XX	56C 143-5TC	P7272013.XX P7272035.XX
81	1190	1.60	21.54	562	P7272058.XX	56C 143-5TC	P7272014.XX P7272036.XX
79	1065	1.38	22.26	562	P7272059.XX	56C 143-5TC	P7272015.XX P7272037.XX
65	1158	1.25	26.77	615	P7272060.XX	56C 143-5TC	P7272016.XX P7272038.XX
60	1190	1.17	29.40	629	P7272061.XX	56C 143-5TC	P7272017.XX P7272039.XX
48	1158	0.92	36.54	660	P7272062.XX	56C	P7272018.XX
46	1127	0.85	38.37	663	P7272063.XX	56C	P7272019.XX
37	976	0.59	47.69	674	P7272064.XX	56C	P7272020.XX
35	1127	0.64	50.67	674	P7272065.XX	56C	P7272021.XX
28	976	0.45	62.97	674	P7272066.XX	56C	P7272022.XX

*Overhung load is calculated at centerline of output shaft.
**Catalog numbers are for basic reducer without base or output flange.



Basic Motorized Quill Input Reducer



Basic Non-Motorized Input Reducer

WHEN ORDERING, SUBSTITUTE THE XX SUFFIX WITH REQUIRED MOD-SQUAD CODE. FOR AVAILABLE INTERCHANGE BASE AND OUTPUT FLANGE CODES SEE PAGES 136-139.

IN THIS CATALOGUE

RPM = Revolutions Per Minute
HP = Horsepower
TQ = Torque (lb-in.)
OHL = Overhung Load In Pounds At Centerline Of Output Shaft With No Thrust Load.
TL = Thrust Load (lbs.) - Output Shaft

SELECT REDUCER MOUNTING POSITION ON PAGE 147



DOUBLE REDUCTION MAXIMUM RATING TABLES

747 SERIES • ALUMINUM CASE

747 Series • 1.0 S.F. • Aluminum Case • 1750 RPM Input



Basic Motorized
Quill Input Reducer



Basic Non-Motorized
Input Reducer

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output* OHL (lbs.)	NON-MOTORIZED	MOTORIZED QUILL INPUT	
					Basic Reducer Catalog Number**	Motor Frame	Basic Reducer Catalog Number**
485	1473	11.80	3.61	450	P7472058.XX	143-5TC 182-4TC	P7472020.XX P7472039.XX
414	1792	12.27	4.23	474	P7472059.XX	143-5TC 182-4TC	P7472021.XX P7472040.XX
349	2041	11.77	5.01	491	P7472060.XX	143-5TC 182-4TC	P7472022.XX P7472041.XX
288	2200	10.49	6.07	522	P7472061.XX	143-5TC 182-4TC	P7472023.XX P7472042.XX
257	2404	10.22	6.81	540	P7472062.XX	143-5TC 182-4TC	P7472024.XX P7472043.XX
232	2300	8.82	7.54	568	P7472063.XX	143-5TC 182-4TC	P7472025.XX P7472044.XX
220	2404	8.73	7.96	579	P7472064.XX	143-5TC 182-4TC	P7472026.XX P7472045.XX
185	2502	7.66	9.45	615	P7472065.XX	143-5TC 182-4TC	P7472027.XX P7472046.XX
153	2600	6.58	11.43	658	P7472066.XX	143-5TC 182-4TC	P7472028.XX P7472047.XX
123	2192	4.46	14.21	693	P7472067.XX	143-5TC 182-4TC	P7472029.XX P7472048.XX
105	2502	4.36	16.62	711	P7472068.XX	56C 143-5TC 182-4TC	P7472011.XX P7472030.XX P7472049.XX
87	2369	3.41	20.10	780	P7472069.XX	56C 143-5TC 182-4TC	P7472012.XX P7472031.XX P7472050.XX
70	2300	2.66	24.98	877	P7472070.XX	56C 143-5TC 182-4TC	P7472013.XX P7472032.XX P7472051.XX
60	2404	2.36	29.41	900	P7472071.XX	56C 143-5TC	P7472014.XX P7472033.XX
49	2404	1.95	35.58	922	P7472072.XX	56C 143-5TC	P7472015.XX P7472034.XX
43	2404	1.72	40.50	988	P7472073.XX	56C 143-5TC	P7472016.XX P7472035.XX
40	2300	1.50	44.23	1012	P7472074.XX	56C 143-5TC	P7472017.XX P7472036.XX
36	2404	1.42	49.00	1028	P7472075.XX	56C 143-5TC	P7472018.XX P7472037.XX
29	2200	1.04	60.90	1050	P7472076.XX	56C 143-5TC	P7472019.XX P7472038.XX

*Overhung load is calculated at centerline of output shaft.

**Catalog numbers are for basic reducer without base or output flange.

WHEN ORDERING, SUBSTITUTE THE XX SUFFIX WITH REQUIRED MOD-SQUAD CODE. FOR AVAILABLE INTERCHANGE BASE AND OUTPUT FLANGE CODES SEE PAGES 136-139.

IN THIS CATALOGUE

RPM = Revolutions Per Minute

HP = Horsepower

TQ = Torque (lb-in.)

OHL = Overhung Load In Pounds At Centerline Of Output Shaft With No Thrust Load.

TL = Thrust Load (lbs.) - Output Shaft

SELECT REDUCER MOUNTING POSITION ON PAGE 147

DOUBLE REDUCTION MAXIMUM RATING TABLES

757 SERIES • ALUMINUM CASE



757 Series • 1.0 S.F. • Aluminum Case • 1750 RPM Input

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output* OHL (lbs.)	NON-MOTORIZED	MOTORIZED QUILL INPUT	
					Basic Reducer Catalog Number**	Motor Frame	Basic Reducer Catalog Number**
485	1651	13.22	3.61	534	P7572134.XX	143-5TC 182-4TC	P7572058.XX P7572096.XX
414	1932	13.23	4.23	566	P7572135.XX	143-5TC 182-4TC	P7572059.XX P7572097.XX
349	2293	13.23	5.01	603	P7572136.XX	143-5TC 182-4TC	P7572060.XX P7572098.XX
288	2774	13.23	6.07	629	P7572137.XX	143-5TC 182-4TC	P7572061.XX P7572099.XX
257	2860	12.15	6.81	646	P7572138.XX	143-5TC 182-4TC	P7572062.XX P7572100.XX
232	3120	11.97	7.54	658	P7572139.XX	143-5TC 182-4TC	P7572063.XX P7572101.XX
220	3180	11.55	7.96	663	P7572140.XX	143-5TC 182-4TC	P7572064.XX P7572102.XX
185	3000	9.18	9.45	674	P7572141.XX	143-5TC 182-4TC	P7572065.XX P7572103.XX
153	3442	8.71	11.43	778	P7572142.XX	143-5TC 182-4TC	P7572066.XX P7572104.XX
123	3800	7.73	14.21	850	P7572143.XX	143-5TC 182-4TC	P7572067.XX P7572105.XX
105	3800	6.61	16.62	872	P7572144.XX	143-5TC 182-4TC	P7572068.XX P7572106.XX
87	3800	5.47	20.10	900	P7572145.XX	143-5TC 182-4TC	P7572069.XX P7572107.XX
70	3800	4.40	24.98	944	P7572146.XX	143-5TC 182-4TC	P7572070.XX P7572108.XX
60	3000	2.95	29.41	1012	P7572147.XX	56C 143-5TC	P7572033.XX P7572071.XX
49	2800	2.28	35.58	1079	P7572148.XX	56C 143-5TC	P7572034.XX P7572072.XX
43	2484	1.77	40.50	1192	P7572149.XX	56C 143-5TC	P7572035.XX P7572073.XX
40	2800	1.83	44.23	1304	P7572150.XX	56C 143-5TC	P7572036.XX P7572074.XX
36	2777	1.64	49.00	1330	P7572151.XX	56C 143-5TC	P7572037.XX P7572075.XX
29	2800	1.33	60.90	1367	P7572152.XX	56C 143-5TC	P7572038.XX P7572076.XX

*Overhung load is calculated at centerline of output shaft.

**Catalog numbers are for basic reducer without base or output flange.



Basic Motorized Quill Input Reducer



Basic Non-Motorized Input Reducer

WHEN ORDERING, SUBSTITUTE THE XX SUFFIX WITH REQUIRED MOD-SQUAD CODE. FOR AVAILABLE INTERCHANGE BASE AND OUTPUT FLANGE CODES SEE PAGES 136-139.

IN THIS CATALOGUE

RPM = Revolutions Per Minute
HP = Horsepower
TQ = Torque (lb-in.)
OHL = Overhung Load In Pounds At Centerline Of Output Shaft With No Thrust Load.
TL = Thrust Load (lbs.) - Output Shaft

SELECT REDUCER MOUNTING POSITION ON PAGE 147



TRIPLE REDUCTION MAXIMUM RATING TABLES

717 SERIES • ALUMINUM CASE

717 Series • 1.0 S.F. • Aluminum Case • 1750 RPM Input



Basic Motorized
Quill Input Reducer



Basic Non-Motorized
Input Reducer

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output* OHL (lbs.)	NON-MOTORIZED	MOTORIZED QUILL INPUT	
					Basic Reducer Catalog Number**	Motor Frame	Basic Reducer Catalog Number**
52	798	0.71	33.50	459	P7173017.XX	56C	P7173001.XX
46	798	0.62	38.34	478	P7173018.XX	56C	P7173002.XX
40	798	0.55	43.69	495	P7173019.XX	56C	P7173003.XX
35	798	0.47	50.64	510	P7173020.XX	56C	P7173004.XX
32	798	0.44	54.30	520	P7173021.XX	56C	P7173005.XX
29	798	0.39	61.22	525	P7173022.XX	56C	P7173006.XX
28	798	0.38	62.94	532	P7173023.XX	56C	P7173007.XX
25	798	0.34	70.95	540	P7173024.XX	56C	P7173008.XX
24	798	0.32	73.33	540	P7173025.XX	56C	P7173009.XX
23	798	0.31	76.08	540	P7173026.XX	56C	P7173010.XX
20	798	0.27	88.18	540	P7173027.XX	56C	P7173011.XX
18	798	0.25	96.85	540	P7173028.XX	56C	P7173012.XX
17	798	0.23	102.74	540	P7173029.XX	56C	P7173013.XX
15	798	0.20	120.37	540	P7173030.XX	56C	P7173014.XX
13	798	0.18	135.69	540	P7173031.XX	56C	P7173015.XX
10	798	0.14	168.65	540	P7173032.XX	56C	P7173016.XX

*Overhung load is calculated at centerline of output shaft.

**Catalog numbers are for basic reducer without base or output flange.

WHEN ORDERING, SUBSTITUTE THE XX SUFFIX WITH REQUIRED MOD-SQUAD CODE. FOR AVAILABLE INTERCHANGE BASE AND OUTPUT FLANGE CODES SEE PAGES 136-139.

SELECT REDUCER MOUNTING POSITION ON PAGE 147

IN THIS CATALOGUE

RPM = Revolutions Per Minute

HP = Horsepower

TQ = Torque (lb-in.)

OHL = Overhung Load In Pounds At Centerline Of Output Shaft With No Thrust Load.

TL = Thrust Load (lbs.) - Output Shaft

**TRIPLE REDUCTION
MAXIMUM RATING TABLES**
727 SERIES • ALUMINUM CASE



727 Series • 1.0 S.F. • Aluminum Case • 1750 RPM Input

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output* OHL (lbs.)	NON-MOTORIZED	MOTORIZED QUILL INPUT	
					Basic Reducer Catalog Number**	Motor Frame	Basic Reducer Catalog Number**
52	1189	1.06	33.50	645	P7273017.XX	56C	P7273001.XX
46	1118	0.87	38.34	663	P7273018.XX	56C	P7273002.XX
40	1189	0.81	43.69	674	P7273019.XX	56C	P7273003.XX
35	1189	0.70	50.64	674	P7273020.XX	56C	P7273004.XX
32	1162	0.64	54.30	674	P7273021.XX	56C	P7273005.XX
29	1189	0.58	61.22	674	P7273022.XX	56C	P7273006.XX
28	1162	0.55	62.94	674	P7273023.XX	56C	P7273007.XX
25	1189	0.50	70.95	674	P7273024.XX	56C	P7273008.XX
24	1118	0.46	73.33	674	P7273025.XX	56C	P7273009.XX
23	1162	0.46	76.08	674	P7273026.XX	56C	P7273010.XX
20	1162	0.39	88.18	674	P7273027.XX	56C	P7273011.XX
18	1189	0.37	96.85	674	P7273028.XX	56C	P7273012.XX
17	1171	0.34	102.74	674	P7273029.XX	56C	P7273013.XX
15	1162	0.29	120.37	674	P7273030.XX	56C	P7273014.XX
13	1189	0.26	135.69	674	P7273031.XX	56C	P7273015.XX
10	1162	0.21	168.65	674	P7273032.XX	56C	P7273016.XX

*Overhung load is calculated at centerline of output shaft.
**Catalog numbers are for basic reducer without base or output flange.



Basic Motorized Quill Input Reducer



Basic Non-Motorized Input Reducer

WHEN ORDERING, SUBSTITUTE THE XX SUFFIX WITH REQUIRED MOD-SQUAD CODE. FOR AVAILABLE INTERCHANGE BASE AND OUTPUT FLANGE CODES SEE PAGES 136-139.

SELECT REDUCER MOUNTING POSITION ON PAGE 147

IN THIS CATALOGUE

RPM = Revolutions Per Minute
HP = Horsepower
TQ = Torque (lb-in.)
OHL = Overhung Load In Pounds At Centerline Of Output Shaft With No Thrust Load.
TL = Thrust Load (lbs.) - Output Shaft

747 Series • 1.0 S.F. • Aluminum Case • 1750 RPM Input



Basic Motorized
Quill Input Reducer



Basic Non-Motorized
Input Reducer

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output* OHL (lbs.)	NON-MOTORIZED	MOTORIZED QUILL INPUT	
					Basic Reducer Catalog Number**	Motor Frame	Basic Reducer Catalog Number**
52	2396	2.10	34.01	918	P7473045.XX	56C 143-5TC	P7473001.XX P7473023.XX
44	2396	1.80	39.79	988	P7473046.XX	56C 143-5TC	P7473002.XX P7473024.XX
37	2396	1.51	47.22	1028	P7473047.XX	56C 143-5TC	P7473003.XX P7473025.XX
32	2396	1.31	54.73	1041	P7473048.XX	56C 143-5TC	P7473004.XX P7473026.XX
31	2396	1.25	57.13	1050	P7473049.XX	56C 143-5TC	P7473005.XX P7473027.XX
26	2396	1.08	66.22	1075	P7473050.XX	56C 143-5TC	P7473006.XX P7473028.XX
25	2396	1.01	71.01	1079	P7473051.XX	56C 143-5TC	P7473007.XX P7473029.XX
23	2396	0.93	76.69	1091	P7473052.XX	56C 143-5TC	P7473008.XX P7473030.XX
21	2396	0.87	82.30	1091	P7473053.XX	56C 143-5TC	P7473009.XX P7473031.XX
21	2396	0.86	83.59	1091	P7473054.XX	56C 143-5TC	P7473010.XX P7473032.XX
19	2396	0.77	92.78	1102	P7473055.XX	56C	P7473011.XX
17	2396	0.68	104.68	1112	P7473056.XX	56C	P7473012.XX
15	2396	0.61	117.22	1124	P7473057.XX	56C	P7473013.XX
14	2396	0.56	126.65	1130	P7473058.XX	56C	P7473014.XX
13	2396	0.53	135.74	1136	P7473059.XX	56C	P7473015.XX
12	2396	0.49	145.68	1150	P7473060.XX	56C	P7473016.XX
11	2396	0.45	157.40	1168	P7473061.XX	56C	P7473017.XX
11	2396	0.44	164.23	1186	P7473062.XX	56C	P7473018.XX
9.4	2396	0.39	185.29	1186	P7473063.XX	56C	P7473019.XX
8.6	2396	0.35	204.12	1186	P7473064.XX	56C	P7473020.XX
7.8	2396	0.32	224.18	1195	P7473065.XX	56C	P7473021.XX
6.3	2396	0.26	278.62	1214	P7473066.XX	56C	P7473022.XX

*Overhung load is calculated at centerline of output shaft.

**Catalog numbers are for basic reducer without base or output flange.

WHEN ORDERING, SUBSTITUTE THE XX SUFFIX WITH REQUIRED MOD-SQUAD CODE. FOR AVAILABLE INTERCHANGE BASE AND OUTPUT FLANGE CODES SEE PAGES 136-139.

IN THIS CATALOGUE

RPM = Revolutions Per Minute
HP = Horsepower
TQ = Torque (lb-in.)
OHL = Overhung Load In Pounds At Centerline Of Output Shaft With No Thrust Load.
TL = Thrust Load (lbs.) - Output Shaft

SELECT REDUCER MOUNTING POSITION ON PAGE 147

**TRIPLE REDUCTION
MAXIMUM RATING TABLES**
757 SERIES • ALUMINUM CASE



757 Series • 1.0 S.F. • Aluminum Case • 1750 RPM Input

Output Speed (RPM)	Output Torque (lb-in.)	Input HP	Ratio	Output* OHL (lbs.)	NON-MOTORIZED	MOTORIZED QUILL INPUT	
					Basic Reducer Catalog Number**	Motor Frame	Basic Reducer Catalog Number**
52	3372	2.96	34.01	1060	P7573111.XX	56C 143-5TC	P7573023.XX P7573067.XX
44	3372	2.53	39.79	1192	P7573112.XX	56C 143-5TC	P7573024.XX P7573068.XX
37	3372	2.13	47.22	1330	P7573113.XX	56C 143-5TC	P7573025.XX P7573069.XX
32	3372	1.84	54.73	1354	P7573114.XX	56C 143-5TC	P7573026.XX P7573070.XX
31	3372	1.76	57.13	1354	P7573115.XX	56C 143-5TC	P7573027.XX P7573071.XX
26	3372	1.52	66.22	1398	P7573116.XX	56C 143-5TC	P7573028.XX P7573072.XX
25	3372	1.42	71.01	1398	P7573117.XX	56C 143-5TC	P7573029.XX P7573073.XX
23	3372	1.31	76.69	1414	P7573118.XX	56C 143-5TC	P7573030.XX P7573074.XX
21	3372	1.22	82.30	1422	P7573119.XX	56C 143-5TC	P7573031.XX P7573075.XX
21	3372	1.20	83.59	1422	P7573120.XX	56C 143-5TC	P7573032.XX P7573076.XX
19	3372	1.09	92.78	1430	P7573121.XX	56C 143-5TC	P7573033.XX P7573077.XX
17	3372	0.96	104.68	1454	P7573122.XX	56C 143-5TC	P7573034.XX P7573078.XX
15	3372	0.86	117.22	1461	P7573123.XX	56C 143-5TC	P7573035.XX P7573079.XX
14	3372	0.79	126.65	1468	P7573124.XX	56C	P7573036.XX
13	3372	0.74	135.74	1472	P7573125.XX	56C	P7573037.XX
12	3372	0.69	145.68	1475	P7573126.XX	56C	P7573038.XX
11	3372	0.64	157.40	1492	P7573127.XX	56C	P7573039.XX
11	3372	0.61	164.23	1492	P7573128.XX	56C	P7573040.XX
9.4	3372	0.54	185.29	1498	P7573129.XX	56C	P7573041.XX
8.6	3372	0.49	204.12	1502	P7573130.XX	56C	P7573042.XX
7.8	3372	0.45	224.18	1510	P7573131.XX	56C	P7573043.XX
6.3	3372	0.36	278.62	1510	P7573132.XX	56C	P7573044.XX



Basic Motorized Quill Input Reducer



Basic Non-Motorized Input Reducer

*Overhung load is calculated at centerline of output shaft.
**Catalog numbers are for basic reducer without base or output flange.

WHEN ORDERING, SUBSTITUTE THE XX SUFFIX WITH REQUIRED MOD-SQUAD CODE. FOR AVAILABLE INTERCHANGE BASE AND OUTPUT FLANGE CODES SEE PAGES 136-139.

IN THIS CATALOGUE

RPM =	Revolutions Per Minute
HP =	Horsepower
TQ =	Torque (lb-in.)
OHL =	Overhung Load In Pounds At Centerline Of Output Shaft With No Thrust Load.
TL =	Thrust Load (lbs.) - Output Shaft

SELECT REDUCER MOUNTING POSITION ON PAGE 147