

How To Use Quick Selections

Maximum Rating Tables for Double Reduction Gear Reducers are shown on pages 40-43. Triple Reduction Maximum Rating Tables are shown on pages 44-47. Selection of the appropriate gear reducer can be made using those tables or the Quick Selections on the following pages.

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 52-55. Note the different bases and flanges to interchange with various competitive units.

To select the proper gear reducer size, use the Quick Selections as shown:

QUICK SELECTIONS

DOUBLE AND TRIPLE REDUCTION

700 Series Motorized NEMA Frame 1750 RPM

1/3 HP Gear Reducer Quick Selections

1 Find the appropriate Quick Selections page. The tables begin on page 8 and are organized by motor HP. The reducer should be selected first; Gear+Motor™ combinations follow.

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 to the Service Factor column and find one suitable to meet the application requirements. Refer to page 172 for AGMA recommended service factors.

4 Check load capacities against the needs of your application. Do not exceed the overhung load (OHL) shown in the table. Detailed instructions for calculating the actual overhung load are shown on page 58. If overhung and thrust loads will be applied simultaneously or if the load exceeds listed capacities, contact LEESON.

5 Select motor frame size.

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 B1 suffix can be replaced with optional Mod-Squad codes as detailed on page 52.

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, refer to the Quick Selections for Triple Reduction Rating.

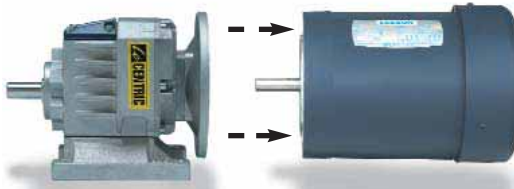
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung Load (lbs.)	Ratio	Motorized B1 Base Mount Catalog No.			
503	15.05	40	204	3.48	2	11	56C	P7172001.B1
405	12.29	49	216	4.32	2	11	56C	P7172002.B1
318	9.56	63	230	5.50	2	11	56C	P7172003.B1
275	8.25	73	250	6.36	2	11	56C	P7172004.B1
241	7.25	83	260	7.26	2	11	56C	P7172005.B1
222	6.89	90	286	7.89	2	11	56C	P7172006.B1
			284	10.04	2	11	56C	P7172008.B1
			293	11.64	2	11	56C	P7172009.B1
					11	11	56C	P7172010.B1
					11	11	56C	P7172011.B1
					11	11	56C	P7172012.B1
					11	11	56C	P7172013.B1
					11	11	56C	P7172014.B1
79	3.15	253						
67	2.61	307						
67	3.79	307	615	26.30	2			
60	2.39	333	435	29.40	2			
60	3.55	333	629	29.40	2			
52	2.15	372	459	33.50	3	12		
52	3.21	372	645	33.50	3	12		
49	1.91	416	470	35.90	2	11		
49	2.79	416	658	35.90	2	11		
46	1.82	434	478	38.37	2	11		
46	2.50	434	660	38.37	2	11		
46	2.64	420	660	38.34	3	12		
40	1.67	484	495	43.69	3	12		
40	2.45	484	674	43.69	3	12		
37	1.45	540	507	48.80	2	11		
37	1.97	540	674	46.00	2	11		
36	4.30	555	1028	49.00	2	23		
35	1.42	553	510	50.64	3	12		
35	2.12	553	674	50.64	3	12		



"HOW TO USE" QUICK SELECTIONS



LeCentric™ Gear Reducers & GEAR+MOTORS™



STOCK GEAR+MOTORS™

Start with a LeCentric™ reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

A wide variety of single phase, three phase and DC motors—suitable for almost every industrial application need—have been pre-selected and assembled to reducers to provide a variety of torque and output speed combinations...ready for shipment. Saves time and expense.

MODIFIED STOCK GEAR+MOTORS™

All stock GEAR+MOTORS™ can also be modified by the addition of any of the accessories shown on page 52. Specify the stock GEAR+MOTOR™ and the accessory item or Mod-Squad Service desired.

Mod-Squad Gearmotor Assembly Service

Can't find the right gearmotor to suit your need from the preselected units. Refer to pages 154-165 for the industry's widest range of stock NEMA C face motors. Select the motor and the reducer you want. LEESON's

Gear Mod-Squad will assemble and ship your custom selected gearmotor. Simply specify the reducer and the motor (by catalog numbers) and order Mod-Squad Service GM1.

Accessory items can also be assembled to custom selected gearmotors. Simply add the Mod-Squad service number to your order. See pages 52-55. **NOTE:** A GEAR+ MOTOR™ catalog number consists of the gear reducer catalog number followed by the motor's catalog number.

QUICK SELECTIONS

DOUBLE AND TRIPLE REDUCTION

TEFC, 3 Phase 230/480V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/480V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt. (lbs.)	Catalog No.	Wgt. (lbs.)	Catalog No.	Wgt. (lbs.)	Catalog No.	Wgt. (lbs.)	Catalog No.	Wgt. (lbs.)	Catalog No.	Wgt. (lbs.)
P7172001.B1-101769	31	P7172001.B1-101766	33	P7172001.B1-098004	34	P7172001.B1-098005	33	P7172001.B1-111931	42	P7172001.B1-111075	52
P7172002.B1-101769	31	P7172002.B1-101766	33	P7172002.B1-098004	34	P7172002.B1-098005	33	P7172002.B1-111931	42	P7172002.B1-111075	52
P7172003.B1-101769	31	P7172003.B1-101766	33	P7172003.B1-098004	34	P7172003.B1-098005	33	P7172003.B1-111931	42	P7172003.B1-111075	52
P7172004.B1-101769	31	P7172004.B1-101766	33	P7172004.B1-098004	34	P7172004.B1-098005	33	P7172004.B1-111931	42	P7172004.B1-111075	52
P7172005.B1-101769	31	P7172005.B1-101766	33	P7172005.B1-098004	34	P7172005.B1-098005	33	P7172005.B1-111931	42	P7172005.B1-111075	52
P7172006.B1-101769	31	P7172006.B1-101766	33	P7172006.B1-098004	34	P7172006.B1-098005	33	P7172006.B1-111931	42	P7172006.B1-111075	52
P7172008.B1-101769	31	P7172008.B1-101766	33	P7172008.B1-098004	34	P7172008.B1-098005	33	P7172008.B1-111931	42	P7172008.B1-111075	52
P7172009.B1-101769	31	P7172009.B1-101766	33	P7172009.B1-098004	34	P7172009.B1-098005	33	P7172009.B1-111931	42	P7172009.B1-111075	52
P7172010.B1-101769	31	P7172010.B1-101766	33	P7172010.B1-098004	34	P7172010.B1-098005	33	P7172010.B1-111931	42	P7172010.B1-111075	52
P7172011.B1-101769	31	P7172011.B1-101766	33	P7172011.B1-098004	34	P7172011.B1-098005	33	P7172011.B1-111931	42	P7172011.B1-111075	52
P7172012.B1-101769	31	P7172012.B1-101766	33	P7172012.B1-098004	34	P7172012.B1-098005	33	P7172012.B1-111931	42	P7172012.B1-111075	52
P7172013.B1-101769	31	P7172013.B1-101766	33	P7172013.B1-098004	34	P7172013.B1-098005	33	P7172013.B1-111931	42	P7172013.B1-111075	52
P7172014.B1-101769	31	P7172014.B1-101766	33	P7172014.B1-098004	34	P7172014.B1-098005	33	P7172014.B1-111931	42	P7172014.B1-111075	52
P7172015.B1-101769	31	P7172015.B1-101766	33	P7172015.B1-098004	34	P7172015.B1-098005	33	P7172015.B1-111931	42	P7172015.B1-111075	52
P7172016.B1-101769	31	P7172016.B1-101766	33	P7172016.B1-098004	34	P7172016.B1-098005	33	P7172016.B1-111931	42	P7172016.B1-111075	52
P7172017.B1-101769	31	P7172017.B1-101766	33	P7172017.B1-098004	34	P7172017.B1-098005	33	P7172017.B1-111931	42	P7172017.B1-111075	52
P7272017.B1-101769	31	P7272017.B1-101766	33	P7272017.B1-098004	34	P7272017.B1-098005	33	P7272017.B1-111931	43	P7272017.B1-111075	53
P7173001.B1-101769	32	P7173001.B1-101766	34	P7173001.B1-098004	35	P7173001.B1-098005	34	P7173001.B1-111931	43	P7173001.B1-111075	53
P7273001.B1-101769	32	P7273001.B1-101766	34	P7273001.B1-098004	35	P7273001.B1-098005	34	P7273001.B1-111931	43	P7273001.B1-111075	53
P7172018.B1-101769	31	P7172018.B1-101766	33	P7172018.B1-098004	34	P7172018.B1-098005	33	P7172018.B1-111931	42	P7172018.B1-111075	52
P7272018.B1-101769	31	P7272018.B1-101766	33	P7272018.B1-098004	34	P7272018.B1-098005	33	P7272018.B1-111931	43	P7272018.B1-111075	53
P7172019.B1-101769	31	P7172019.B1-101766	33	P7172019.B1-098004	34	P7172019.B1-098005	33	P7172019.B1-111931	42	P7172019.B1-111075	52
P7272019.B1-101769	31	P7272019.B1-101766	33	P7272019.B1-098004	34	P7272019.B1-098005	33	P7272019.B1-111931	43	P7272019.B1-111075	53
P7173003.B1-101769	32	P7173003.B1-101766	34	P7173003.B1-098004	35	P7173003.B1-098005	34	P7173003.B1-111931	43	P7173003.B1-111075	53
P7273003.B1-101769	32	P7273003.B1-101766	34	P7273003.B1-098004	35	P7273003.B1-098005	34	P7273003.B1-111931	43	P7273003.B1-111075	53
P7172020.B1-101769	31	P7172020.B1-101766	33	P7172020.B1-098004	34	P7172020.B1-098005	33	P7172020.B1-111931	42	P7172020.B1-111075	52
P7272020.B1-101769	31	P7272020.B1-101766	33	P7272020.B1-098004	34	P7272020.B1-098005	33	P7272020.B1-111931	43	P7272020.B1-111075	53
P7472018.B1-101769	43	P7472018.B1-101766	45	P7472018.B1-098004	46	P7472018.B1-098005	45	P7472018.B1-111931	54	P7472018.B1-111075	64
P7173004.B1-101769	32	P7173004.B1-101766	34	P7173004.B1-098004	35	P7173004.B1-098005	34	P7173004.B1-111931	43	P7173004.B1-111075	53
P7273004.B1-101769	32	P7273004.B1-101766	34	P7273004.B1-098004	35	P7273004.B1-098005	34	P7273004.B1-111931	43	P7273004.B1-111075	53

7 Identify motor requirements for Gear+Motor™ selections.

8 Identify the catalog number of the Gear+Motor™ by continuing to the right. See page 38 for detailed information on building an exact catalog number. The B1 suffix can be replaced with optional Mod-Squad codes as detailed on page 52.

9 Verify physical dimensions using the dimensional drawings shown on pages 48-51.

10 Identify reducer mounting position on page 60.

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1/4 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ◆ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
503	20.07	30	204	3.48	2	11	56C	P7172001.B1
405	16.27	37	216	4.32	2	11	56C	P7172002.B1
318	12.54	48	230	5.50	2	11	56C	P7172003.B1
275	10.95	55	250	6.36	2	11	56C	P7172004.B1
241	9.56	63	260	7.26	2	11	56C	P7172005.B1
222	8.85	68	266	7.89	2	11	56C	P7172006.B1
174	9.20	87	284	10.04	2	11	56C	P7172008.B1
150	7.92	101	293	11.64	2	11	56C	P7172009.B1
132	6.96	115	305	13.26	2	11	56C	P7172010.B1
114	6.00	133	321	15.37	2	11	56C	P7172011.B1
108	5.60	143	335	16.20	2	11	56C	P7172012.B1
93	4.84	164	350	18.80	2	11	56C	P7172013.B1
81	4.28	187	374	21.54	2	11	56C	P7172014.B1
79	4.16	191	375	22.26	2	11	56C	P7172015.B1
67	3.44	233	420	26.30	2	11	56C	P7172016.B1
60	3.16	252	435	29.40	2	11	56C	P7172017.B1
52	2.84	282	459	33.50	3	12	56C	P7173001.B1
49	2.52	315	470	35.90	2	11	56C	P7172018.B1
46	2.40	329	478	38.37	2	11	56C	P7172019.B1
46	2.48	319	478	38.34	3	12	56C	P7173002.B1
40	2.20	366	495	43.69	3	12	56C	P7173003.B1
37	1.92	409	507	46.80	2	11	56C	P7172020.B1
37	2.60	409	674	46.80	2	11	56C	P7272020.B1
35	1.84	432	510	50.67	2	11	56C	P7172021.B1
35	2.56	432	674	50.67	2	11	56C	P7272021.B1
35	1.88	419	510	50.64	3	12	56C	P7173004.B1
33	1.76	458	520	53.40	3	12	56C	P7173005.B1
33	2.56	458	674	53.40	3	12	56C	P7273005.B1
29	4.16	522	1050	60.90	2	23	56C	P7472019.B1
29	1.56	505	525	61.22	3	12	56C	P7173006.B1
29	2.32	505	674	61.22	3	12	56C	P7273006.B1
28	1.97	540	532	61.80	2	11	56C	P7172022.B1
28	1.80	540	674	61.80	2	11	56C	P7272022.B1
28	1.52	523	532	62.00	3	12	56C	P7173007.B1
26	4.32	564	1075	66.22	3	24	56C	P7473006.B1

- ◆ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

QUICK REFERENCE	
OTHER REDUCER CONFIGURATIONS	Page 38
OUTPUT FLANGE SELECTIONS	53
INTERCHANGE BASE SELECTIONS	54



QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



1/4 HP Gear+Motor™ Quick Selections							
TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V	
Catalog No.	Wgt. ♦ (lbs.)	Catalog No.	Wgt. ♦ (lbs.)	Catalog No.	Wgt. ♦ (lbs.)	Catalog No.	Wgt. ♦ (lbs.)
P7172001.B1-101767	30	P7172001.B1-102866	32	P7172001.B1-098002	30	P7172001.B1-098003	33
P7172002.B1-101767	30	P7172002.B1-102866	32	P7172002.B1-098002	30	P7172002.B1-098003	33
P7172003.B1-101767	30	P7172003.B1-102866	32	P7172003.B1-098002	30	P7172003.B1-098003	33
P7172004.B1-101767	30	P7172004.B1-102866	32	P7172004.B1-098002	30	P7172004.B1-098003	33
P7172005.B1-101767	30	P7172005.B1-102866	32	P7172005.B1-098002	30	P7172005.B1-098003	33
P7172006.B1-101767	30	P7172006.B1-102866	32	P7172006.B1-098002	30	P7172006.B1-098003	33
P7172008.B1-101767	30	P7172008.B1-102866	32	P7172008.B1-098002	30	P7172008.B1-098003	33
P7172009.B1-101767	30	P7172009.B1-102866	32	P7172009.B1-098002	30	P7172009.B1-098003	33
P7172010.B1-101767	30	P7172010.B1-102866	32	P7172010.B1-098002	30	P7172010.B1-098003	33
P7172011.B1-101767	30	P7172011.B1-102866	32	P7172011.B1-098002	30	P7172011.B1-098003	33
P7172012.B1-101767	30	P7172012.B1-102866	32	P7172012.B1-098002	30	P7172012.B1-098003	33
P7172013.B1-101767	30	P7172013.B1-102866	32	P7172013.B1-098002	30	P7172013.B1-098003	33
P7172014.B1-101767	30	P7172014.B1-102866	32	P7172014.B1-098002	30	P7172014.B1-098003	33
P7172015.B1-101767	30	P7172015.B1-102866	32	P7172015.B1-098002	30	P7172015.B1-098003	33
P7172016.B1-101767	30	P7172016.B1-102866	32	P7172016.B1-098002	30	P7172016.B1-098003	33
P7172017.B1-101767	30	P7172017.B1-102866	32	P7172017.B1-098002	30	P7172017.B1-098003	33
P7173001.B1-101767	31	P7173001.B1-102866	33	P7173001.B1-098002	31	P7173001.B1-098003	34
P7172018.B1-101767	30	P7172018.B1-102866	32	P7172018.B1-098002	30	P7172018.B1-098003	33
P7172019.B1-101767	30	P7172019.B1-102866	32	P7172019.B1-098002	30	P7172019.B1-098003	33
P7173002.B1-101767	31	P7173002.B1-102866	33	P7173002.B1-098002	31	P7173002.B1-098003	34
P7173003.B1-101767	31	P7173003.B1-102866	33	P7173003.B1-098002	31	P7173003.B1-098003	34
P7172020.B1-101767	30	P7172020.B1-102866	32	P7172020.B1-098002	30	P7172020.B1-098003	33
P7272020.B1-101767	30	P7272020.B1-102866	32	P7272020.B1-098002	30	P7272020.B1-098003	33
P7172021.B1-101767	30	P7172021.B1-102866	32	P7172021.B1-098002	30	P7172021.B1-098003	33
P7272021.B1-101767	30	P7272021.B1-102866	32	P7272021.B1-098002	30	P7272021.B1-098003	33
P7173004.B1-101767	31	P7173004.B1-102866	33	P7173004.B1-098002	31	P7173004.B1-098003	34
P7173005.B1-101767	31	P7173005.B1-102866	33	P7173005.B1-098002	31	P7173005.B1-098003	34
P7273005.B1-101767	31	P7273005.B1-102866	33	P7273005.B1-098002	31	P7273005.B1-098003	34
P7472019.B1-101767	42	P7472019.B1-102866	44	P7472019.B1-098002	42	P7472019.B1-098003	45
P7173006.B1-101767	31	P7173006.B1-102866	33	P7173006.B1-098002	31	P7173006.B1-098003	34
P7273006.B1-101767	31	P7273006.B1-102866	33	P7273006.B1-098002	31	P7273006.B1-098003	34
P7172022.B1-101767	30	P7172022.B1-102866	32	P7172022.B1-098002	30	P7172022.B1-098003	33
P7272022.B1-101767	30	P7272022.B1-102866	32	P7272022.B1-098002	30	P7272022.B1-098003	33
P7173007.B1-101767	31	P7173007.B1-102866	33	P7173007.B1-098002	31	P7173007.B1-098003	34
P7473006.B1-101767	43	P7473006.B1-102866	45	P7473006.B1-098002	43	P7473006.B1-098003	46

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

TABLE CONTINUES ON NEXT PAGE

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1/4 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ♦ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
25	1.36	586	540	70.95	3	12	56C	P7173008.B1
25	2.00	586	674	70.95	3	12	56C	P7273008.B1
25	4.04	586	1079	71.01	3	24	56C	P7473007.B1
24	1.28	611	540	73.33	3	12	56C	P7173009.B1
23	1.24	637	540	74.50	3	12	56C	P7173010.B1
23	1.84	637	674	74.50	3	12	56C	P7273010.B1
23	3.72	637	1091	76.69	3	24	56C	P7473008.B1
21	3.48	698	1096	82.30	3	24	56C	P7473009.B1
21	3.44	698	1096	83.59	3	24	56C	P7473010.B1
20	1.08	733	540	86.80	3	12	56C	P7173011.B1
20	1.56	733	674	86.80	3	12	56C	P7273011.B1
19	3.08	771	1105	92.78	3	24	56C	P7473011.B1
18	1.00	814	540	96.85	3	12	56C	P7173012.B1
18	1.48	814	674	96.85	3	12	56C	P7273012.B1
17	1.36	862	674	102.80	3	12	56C	P7273013.B1
17	2.72	862	1112	104.68	3	24	56C	P7473012.B1
15	2.44	977	1124	117.22	3	24	56C	P7473013.B1
15	1.16	977	674	126.40	3	12	56C	P7273014.B1
14	2.24	1047	1130	126.65	3	24	56C	P7473014.B1
13	1.04	1127	674	135.69	3	12	56C	P7273015.B1
13	2.12	1127	1136	135.74	3	24	56C	P7473015.B1
13	2.96	1127	1472	135.74	3	29	56C	P7573037.B1
12	1.96	1221	1150	145.68	3	24	56C	P7473016.B1
12	2.76	1221	1475	145.68	3	29	56C	P7573038.B1
11	1.80	1332	1168	157.40	3	24	56C	P7473017.B1
11	2.56	1332	1492	157.40	3	29	56C	P7573039.B1
11	2.44	1332	1492	164.23	3	29	56C	P7573040.B1
9.4	1.56	1559	1186	185.29	3	24	56C	P7473019.B1
9.4	2.16	1559	1498	185.29	3	29	56C	P7573041.B1
8.6	1.40	1704	1186	204.12	3	24	56C	P7473020.B1
8.6	1.96	1704	1502	204.12	3	29	56C	P7573042.B1
7.8	1.28	1879	1195	224.18	3	24	56C	P7473021.B1
7.8	1.80	1879	1510	224.18	3	29	56C	P7573043.B1
6.3	1.04	2326	1214	278.62	3	24	56C	P7473022.B1
6.3	1.44	2326	1510	278.62	3	29	56C	P7573044.B1

- ♦ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

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1/4 HP

Gear+Motor™ Quick Selections

TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V	
Catalog No.	Wgt. ♦ (lbs.)	Catalog No.	Wgt. ♦ (lbs.)	Catalog No.	Wgt. ♦ (lbs.)	Catalog No.	Wgt. ♦ (lbs.)
P7173008.B1-101767	31	P7173008.B1-102866	33	P7173008.B1-098002	31	P7173008.B1-098003	34
P7273008.B1-101767	31	P7273008.B1-102866	33	P7273008.B1-098002	31	P7273008.B1-098003	34
P7473007.B1-101767	43	P7473007.B1-102866	45	P7473007.B1-098002	43	P7473007.B1-098003	46
P7173009.B1-101767	31	P7173009.B1-102866	33	P7173009.B1-098002	31	P7173009.B1-098003	34
P7173010.B1-101767	31	P7173010.B1-102866	33	P7173010.B1-098002	31	P7173010.B1-098003	34
P7273010.B1-101767	31	P7273010.B1-102866	33	P7273010.B1-098002	31	P7273010.B1-098003	34
P7473008.B1-101767	43	P7473008.B1-102866	45	P7473008.B1-098002	43	P7473008.B1-098003	46
P7473009.B1-101767	43	P7473009.B1-102866	45	P7473009.B1-098002	43	P7473009.B1-098003	46
P7473010.B1-101767	43	P7473010.B1-102866	45	P7473010.B1-098002	43	P7473010.B1-098003	46
P7173011.B1-101767	31	P7173011.B1-102866	33	P7173011.B1-098002	31	P7173011.B1-098003	34
P7273011.B1-101767	31	P7273011.B1-102866	33	P7273011.B1-098002	31	P7273011.B1-098003	34
P7473011.B1-101767	43	P7473011.B1-102866	45	P7473011.B1-098002	43	P7473011.B1-098003	46
P7173012.B1-101767	31	P7173012.B1-102866	33	P7173012.B1-098002	31	P7173012.B1-098003	34
P7273012.B1-101767	31	P7273012.B1-102866	33	P7273012.B1-098002	31	P7273012.B1-098003	34
P7273013.B1-101767	31	P7273013.B1-102866	33	P7273013.B1-098002	31	P7273013.B1-098003	34
P7473012.B1-101767	43	P7473012.B1-102866	45	P7473012.B1-098002	43	P7473012.B1-098003	46
P7473013.B1-101767	43	P7473013.B1-102866	45	P7473013.B1-098002	43	P7473013.B1-098003	46
P7273014.B1-101767	31	P7273014.B1-102866	33	P7273014.B1-098002	31	P7273014.B1-098003	34
P7473014.B1-101767	43	P7473014.B1-102866	45	P7473014.B1-098002	43	P7473014.B1-098003	46
P7273015.B1-101767	31	P7273015.B1-102866	33	P7273015.B1-098002	31	P7273015.B1-098003	34
P7473015.B1-101767	43	P7473015.B1-102866	45	P7473015.B1-098002	43	P7473015.B1-098003	46
P7573037.B1-101767	48	P7573037.B1-102866	50	P7573037.B1-098002	48	P7573037.B1-098003	51
P7473016.B1-101767	43	P7473016.B1-102866	45	P7473016.B1-098002	43	P7473016.B1-098003	46
P7573038.B1-101767	48	P7573038.B1-102866	50	P7573038.B1-098002	48	P7573038.B1-098003	51
P7473017.B1-101767	43	P7473017.B1-102866	45	P7473017.B1-098002	43	P7473017.B1-098003	46
P7573039.B1-101767	48	P7573039.B1-102866	50	P7573039.B1-098002	48	P7573039.B1-098003	51
P7573040.B1-101767	48	P7573040.B1-102866	50	P7573040.B1-098002	48	P7573040.B1-098003	51
P7473019.B1-101767	43	P7473019.B1-102866	45	P7473019.B1-098002	43	P7473019.B1-098003	46
P7573041.B1-101767	48	P7573041.B1-102866	50	P7573041.B1-098002	48	P7573041.B1-098003	51
P7473020.B1-101767	43	P7473020.B1-102866	45	P7473020.B1-098002	43	P7473020.B1-098003	46
P7573042.B1-101767	48	P7573042.B1-102866	50	P7573042.B1-098002	48	P7573042.B1-098003	51
P7473021.B1-101767	43	P7473021.B1-102866	45	P7473021.B1-098002	43	P7473021.B1-098003	46
P7573043.B1-101767	48	P7573043.B1-102866	50	P7573043.B1-098002	48	P7573043.B1-098003	51
P7473022.B1-101767	43	P7473022.B1-102866	45	P7473022.B1-098002	43	P7473022.B1-098003	46
P7573044.B1-101767	48	P7573044.B1-102866	50	P7573044.B1-098002	48	P7573044.B1-098003	51

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1/3 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung Load (lbs.) ●	Ratio	Number of Reductions	Weight ♦ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
503	15.05	40	204	3.48	2	11	56C	P7172001.B1
405	12.29	49	216	4.32	2	11	56C	P7172002.B1
318	9.56	63	230	5.50	2	11	56C	P7172003.B1
275	8.25	73	250	6.36	2	11	56C	P7172004.B1
241	7.25	83	260	7.26	2	11	56C	P7172005.B1
222	6.69	90	266	7.89	2	11	56C	P7172006.B1
174	6.97	115	284	10.04	2	11	56C	P7172008.B1
150	6.00	133	293	11.64	2	11	56C	P7172009.B1
132	5.27	151	305	13.26	2	11	56C	P7172010.B1
114	4.55	175	321	15.37	2	11	56C	P7172011.B1
108	4.24	188	335	16.20	2	11	56C	P7172012.B1
93	3.67	217	350	18.80	2	11	56C	P7172013.B1
81	3.24	246	374	21.54	2	11	56C	P7172014.B1
79	3.15	253	375	22.26	2	11	56C	P7172015.B1
67	2.61	307	420	26.30	2	11	56C	P7172016.B1
67	3.79	307	615	26.30	2	11	56C	P7272016.B1
60	2.39	333	435	29.40	2	11	56C	P7172017.B1
60	3.55	333	629	29.40	2	11	56C	P7272017.B1
52	2.15	372	459	33.50	3	12	56C	P7173001.B1
52	3.21	372	645	33.50	3	12	56C	P7273001.B1
49	1.91	416	470	35.90	2	11	56C	P7172018.B1
49	2.79	416	658	35.90	2	11	56C	P7272018.B1
46	1.82	434	478	38.37	2	11	56C	P7172019.B1
46	2.58	434	660	38.37	2	11	56C	P7272019.B1
46	2.64	420	660	38.34	3	12	56C	P7273002.B1
40	1.67	484	495	43.69	3	12	56C	P7173003.B1
40	2.45	484	674	43.69	3	12	56C	P7273003.B1
37	1.45	540	507	46.80	2	11	56C	P7172020.B1
37	1.97	540	674	46.80	2	11	56C	P7272020.B1
36	4.30	555	1028	49.00	2	23	56C	P7472018.B1
35	1.42	553	510	50.64	3	12	56C	P7173004.B1
35	2.12	553	674	50.64	3	12	56C	P7273004.B1
35	1.28	570	674	50.67	2	11	56C	P7272021.B1
33	1.33	604	520	53.40	3	12	56C	P7173005.B1
33	1.94	604	674	53.40	3	12	56C	P7273005.B1
32	3.97	604	1041	54.73	3	24	56C	P7473004.B1
31	3.79	624	1050	57.13	3	24	56C	P7473005.B1

- ♦ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer.
Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

QUICK REFERENCE
OTHER REDUCER CONFIGURATIONS Page 38
OUTPUT FLANGE SELECTIONS 53
INTERCHANGE BASE SELECTIONS 54



QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7172001.B1-101769	31	P7172001.B1-101766	33	P7172001.B1-098004	34	P7172001.B1-098005	33	P7172001.B1-111931	42	P7172001.B1-111075	52
P7172002.B1-101769	31	P7172002.B1-101766	33	P7172002.B1-098004	34	P7172002.B1-098005	33	P7172002.B1-111931	42	P7172002.B1-111075	52
P7172003.B1-101769	31	P7172003.B1-101766	33	P7172003.B1-098004	34	P7172003.B1-098005	33	P7172003.B1-111931	42	P7172003.B1-111075	52
P7172004.B1-101769	31	P7172004.B1-101766	33	P7172004.B1-098004	34	P7172004.B1-098005	33	P7172004.B1-111931	42	P7172004.B1-111075	52
P7172005.B1-101769	31	P7172005.B1-101766	33	P7172005.B1-098004	34	P7172005.B1-098005	33	P7172005.B1-111931	42	P7172005.B1-111075	52
P7172006.B1-101769	31	P7172006.B1-101766	33	P7172006.B1-098004	34	P7172006.B1-098005	33	P7172006.B1-111931	42	P7172006.B1-111075	52
P7172008.B1-101769	31	P7172008.B1-101766	33	P7172008.B1-098004	34	P7172008.B1-098005	33	P7172008.B1-111931	42	P7172008.B1-111075	52
P7172009.B1-101769	31	P7172009.B1-101766	33	P7172009.B1-098004	34	P7172009.B1-098005	33	P7172009.B1-111931	42	P7172009.B1-111075	52
P7172010.B1-101769	31	P7172010.B1-101766	33	P7172010.B1-098004	34	P7172010.B1-098005	33	P7172010.B1-111931	42	P7172010.B1-111075	52
P7172011.B1-101769	31	P7172011.B1-101766	33	P7172011.B1-098004	34	P7172011.B1-098005	33	P7172011.B1-111931	42	P7172011.B1-111075	52
P7172012.B1-101769	31	P7172012.B1-101766	33	P7172012.B1-098004	34	P7172012.B1-098005	33	P7172012.B1-111931	42	P7172012.B1-111075	52
P7172013.B1-101769	31	P7172013.B1-101766	33	P7172013.B1-098004	34	P7172013.B1-098005	33	P7172013.B1-111931	42	P7172013.B1-111075	52
P7172014.B1-101769	31	P7172014.B1-101766	33	P7172014.B1-098004	34	P7172014.B1-098005	33	P7172014.B1-111931	42	P7172014.B1-111075	52
P7172015.B1-101769	31	P7172015.B1-101766	33	P7172015.B1-098004	34	P7172015.B1-098005	33	P7172015.B1-111931	42	P7172015.B1-111075	52
P7172016.B1-101769	31	P7172016.B1-101766	33	P7172016.B1-098004	34	P7172016.B1-098005	33	P7172016.B1-111931	42	P7172016.B1-111075	52
P7272016.B1-101769	31	P7272016.B1-101766	33	P7272016.B1-098004	34	P7272016.B1-098005	33	P7272016.B1-111931	42	P7272016.B1-111075	52
P7172017.B1-101769	31	P7172017.B1-101766	33	P7172017.B1-098004	34	P7172017.B1-098005	33	P7172017.B1-111931	42	P7172017.B1-111075	52
P7272017.B1-101769	31	P7272017.B1-101766	33	P7272017.B1-098004	34	P7272017.B1-098005	33	P7272017.B1-111931	42	P7272017.B1-111075	52
P7173001.B1-101769	32	P7173001.B1-101766	34	P7173001.B1-098004	35	P7173001.B1-098005	34	P7173001.B1-111931	43	P7173001.B1-111075	53
P7273001.B1-101769	32	P7273001.B1-101766	34	P7273001.B1-098004	35	P7273001.B1-098005	34	P7273001.B1-111931	43	P7273001.B1-111075	53
P7172018.B1-101769	31	P7172018.B1-101766	33	P7172018.B1-098004	34	P7172018.B1-098005	33	P7172018.B1-111931	42	P7172018.B1-111075	52
P7272018.B1-101769	31	P7272018.B1-101766	33	P7272018.B1-098004	34	P7272018.B1-098005	33	P7272018.B1-111931	42	P7272018.B1-111075	52
P7172019.B1-101769	31	P7172019.B1-101766	33	P7172019.B1-098004	34	P7172019.B1-098005	33	P7172019.B1-111931	42	P7172019.B1-111075	52
P7272019.B1-101769	31	P7272019.B1-101766	33	P7272019.B1-098004	34	P7272019.B1-098005	33	P7272019.B1-111931	42	P7272019.B1-111075	52
P7273002.B1-101769	32	P7273002.B1-101766	34	P7273002.B1-098004	35	P7273002.B1-098005	34	P7273002.B1-111931	43	P7273002.B1-111075	53
P7173003.B1-101769	32	P7173003.B1-101766	34	P7173003.B1-098004	35	P7173003.B1-098005	34	P7173003.B1-111931	43	P7173003.B1-111075	53
P7273003.B1-101769	32	P7273003.B1-101766	34	P7273003.B1-098004	35	P7273003.B1-098005	34	P7273003.B1-111931	43	P7273003.B1-111075	53
P7172020.B1-101769	31	P7172020.B1-101766	33	P7172020.B1-098004	34	P7172020.B1-098005	33	P7172020.B1-111931	42	P7172020.B1-111075	52
P7272020.B1-101769	31	P7272020.B1-101766	33	P7272020.B1-098004	34	P7272020.B1-098005	33	P7272020.B1-111931	42	P7272020.B1-111075	52
P7472018.B1-101769	43	P7472018.B1-101766	45	P7472018.B1-098004	46	P7472018.B1-098005	45	P7472018.B1-111931	54	P7472018.B1-111075	64
P7173004.B1-101769	32	P7173004.B1-101766	34	P7173004.B1-098004	35	P7173004.B1-098005	34	P7173004.B1-111931	43	P7173004.B1-111075	53
P7273004.B1-101769	32	P7273004.B1-101766	34	P7273004.B1-098004	35	P7273004.B1-098005	34	P7273004.B1-111931	43	P7273004.B1-111075	53
P7272021.B1-101769	31	P7272021.B1-101766	33	P7272021.B1-098004	34	P7272021.B1-098005	33	P7272021.B1-111931	42	P7272021.B1-111075	52
P7173005.B1-101769	32	P7173005.B1-101766	34	P7173005.B1-098004	35	P7173005.B1-098005	34	P7173005.B1-111931	43	P7173005.B1-111075	53
P7273005.B1-101769	32	P7273005.B1-101766	34	P7273005.B1-098004	35	P7273005.B1-098005	34	P7273005.B1-111931	43	P7273005.B1-111075	53
P7473004.B1-101769	44	P7473004.B1-101766	46	P7473004.B1-098004	47	P7473004.B1-098005	46	P7473004.B1-111931	55	P7473004.B1-111075	65
P7473005.B1-101769	44	P7473005.B1-101766	46	P7473005.B1-098004	47	P7473005.B1-098005	46	P7473005.B1-111931	55	P7473005.B1-111075	65

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

TABLE CONTINUES ON NEXT PAGE

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1/3 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ◆ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
29	3.15	688	1050	60.90	2	23	56C	P7472019.B1
29	1.18	667	525	61.22	3	12	56C	P7173006.B1
29	1.76	667	674	61.22	3	12	56C	P7273006.B1
28	1.12	713	532	61.80	2	11	56C	P7172022.B1
28	1.49	713	674	61.80	2	11	56C	P7272022.B1
28	1.15	691	532	62.00	3	12	56C	P7173007.B1
26	3.27	744	1075	66.22	3	24	56C	P7473006.B1
25	1.03	774	540	70.95	3	12	56C	P7173008.B1
25	1.52	774	674	70.95	3	12	56C	P7273008.B1
25	3.06	774	1079	71.01	3	24	56C	P7473007.B1
24	0.97	806	540	73.33	3	12	56C	P7173009.B1
24	1.39	806	674	73.33	3	12	56C	P7273009.B1
23	1.39	841	674	74.50	3	12	56C	P7273010.B1
23	2.82	841	1091	76.69	3	24	56C	P7473008.B1
21	2.64	921	1096	82.30	3	24	56C	P7473009.B1
20	1.18	967	674	86.80	3	12	56C	P7273011.B1
19	2.33	1018	1102	92.78	3	24	56C	P7473011.B1
18	1.12	1075	674	96.85	3	12	56C	P7273012.B1
17	1.03	1138	674	102.80	3	12	56C	P7273013.B1
17	2.06	1138	1112	104.68	3	24	56C	P7473012.B1
17	2.91	1138	1454	104.68	3	29	56C	P7573034.B1
15	1.85	1289	1124	117.22	3	24	56C	P7473013.B1
15	2.61	1289	1461	117.22	3	29	56C	P7573035.B1
14	1.70	1382	1130	126.65	3	24	56C	P7473014.B1
14	2.39	1382	1468	126.65	3	29	56C	P7573036.B1
13	1.61	1488	1136	135.74	3	24	56C	P7473015.B1
13	2.24	1488	1472	135.74	3	29	56C	P7573037.B1
12	1.48	1612	1150	145.68	3	24	56C	P7473016.B1
12	2.09	1612	1475	145.68	3	29	56C	P7573038.B1
11	1.36	1758	1168	157.40	3	24	56C	P7473017.B1
11	1.94	1758	1492	157.40	3	29	56C	P7573039.B1
11	1.33	1758	1168	164.23	3	24	56C	P7473018.B1
11	1.85	1758	1492	164.23	3	29	56C	P7573040.B1
9.4	1.18	2058	1186	185.29	3	24	56C	P7473019.B1
9.4	1.64	2058	1498	185.29	3	29	56C	P7573041.B1
8.6	1.06	2249	1186	204.12	3	24	56C	P7473020.B1
8.6	1.48	2249	1502	204.12	3	29	56C	P7573042.B1
7.8	0.97	2480	1195	224.18	3	24	56C	P7473021.B1
7.8	1.36	2480	1510	224.18	3	29	56C	P7573043.B1
6.3	1.09	3070	1510	278.62	3	29	56C	P7573044.B1

◆ Weight does not include oil.
 ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
 ● Overhung load is calculated at centerline of output shaft.

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QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers &
GEAR+MOTORS™



1/3 HP

Gear+Motor™ Quick Selections

TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7472019.B1-101769	43	P7472019.B1-101766	45	P7472019.B1-098004	46	P7472019.B1-098005	45	P7472019.B1-111931	54	P7472019.B1-111075	64
P7173006.B1-101769	32	P7173006.B1-101766	34	P7173006.B1-098004	35	P7173006.B1-098005	34	P7173006.B1-111931	43	P7173006.B1-111075	53
P7273006.B1-101769	32	P7273006.B1-101766	34	P7273006.B1-098004	35	P7273006.B1-098005	34	P7273006.B1-111931	43	P7273006.B1-111075	53
P7172022.B1-101769	31	P7172022.B1-101766	33	P7172022.B1-098004	34	P7172022.B1-098005	33	P7172022.B1-111931	42	P7172022.B1-111075	52
P7272022.B1-101769	31	P7272022.B1-101766	33	P7272022.B1-098004	34	P7272022.B1-098005	33	P7272022.B1-111931	42	P7272022.B1-111075	52
P7173007.B1-101769	32	P7173007.B1-101766	34	P7173007.B1-098004	35	P7173007.B1-098005	34	P7173007.B1-111931	43	P7173007.B1-111075	53
P7473006.B1-101769	44	P7473006.B1-101766	46	P7473006.B1-098004	47	P7473006.B1-098005	46	P7473006.B1-111931	55	P7473006.B1-111075	65
P7173008.B1-101769	32	P7173008.B1-101766	34	P7173008.B1-098004	35	P7173008.B1-098005	34	P7173008.B1-111931	43	P7173008.B1-111075	53
P7273008.B1-101769	32	P7273008.B1-101766	34	P7273008.B1-098004	35	P7273008.B1-098005	34	P7273008.B1-111931	43	P7273008.B1-111075	53
P7473007.B1-101769	44	P7473007.B1-101766	46	P7473007.B1-098004	47	P7473007.B1-098005	46	P7473007.B1-111931	55	P7473007.B1-111075	65
P7173009.B1-101769	32	P7173009.B1-101766	34	P7173009.B1-098004	35	P7173009.B1-098005	34	P7173009.B1-111931	43	P7173009.B1-111075	53
P7273009.B1-101769	32	P7273009.B1-101766	34	P7273009.B1-098004	35	P7273009.B1-098005	34	P7273009.B1-111931	43	P7273009.B1-111075	53
P7273010.B1-101769	32	P7273010.B1-101766	34	P7273010.B1-098004	35	P7273010.B1-098005	34	P7273010.B1-111931	43	P7273010.B1-111075	53
P7473008.B1-101769	44	P7473008.B1-101766	46	P7473008.B1-098004	47	P7473008.B1-098005	46	P7473008.B1-111931	55	P7473008.B1-111075	65
P7473009.B1-101769	44	P7473009.B1-101766	46	P7473009.B1-098004	47	P7473009.B1-098005	46	P7473009.B1-111931	55	P7473009.B1-111075	65
P7273011.B1-101769	32	P7273011.B1-101766	34	P7273011.B1-098004	35	P7273011.B1-098005	34	P7273011.B1-111931	43	P7273011.B1-111075	53
P7473011.B1-101769	44	P7473011.B1-101766	46	P7473011.B1-098004	47	P7473011.B1-098005	46	P7473011.B1-111931	55	P7473011.B1-111075	65
P7273012.B1-101769	32	P7273012.B1-101766	34	P7273012.B1-098004	35	P7273012.B1-098005	34	P7273012.B1-111931	43	P7273012.B1-111075	53
P7273013.B1-101769	32	P7273013.B1-101766	34	P7273013.B1-098004	35	P7273013.B1-098005	34	P7273013.B1-111931	43	P7273013.B1-111075	53
P7473012.B1-101769	44	P7473012.B1-101766	46	P7473012.B1-098004	47	P7473012.B1-098005	46	P7473012.B1-111931	55	P7473012.B1-111075	65
P7573034.B1-101769	49	P7573034.B1-101766	51	P7573034.B1-098004	52	P7573034.B1-098005	51	P7573034.B1-111931	60	P7573034.B1-111075	70
P7473013.B1-101769	44	P7473013.B1-101766	46	P7473013.B1-098004	47	P7473013.B1-098005	46	P7473013.B1-111931	55	P7473013.B1-111075	65
P7573035.B1-101769	49	P7573035.B1-101766	51	P7573035.B1-098004	52	P7573035.B1-098005	51	P7573035.B1-111931	60	P7573035.B1-111075	70
P7473014.B1-101769	44	P7473014.B1-101766	46	P7473014.B1-098004	47	P7473014.B1-098005	46	P7473014.B1-111931	55	P7473014.B1-111075	65
P7573036.B1-101769	49	P7573036.B1-101766	51	P7573036.B1-098004	52	P7573036.B1-098005	51	P7573036.B1-111931	60	P7573036.B1-111075	70
P7473015.B1-101769	44	P7473015.B1-101766	46	P7473015.B1-098004	47	P7473015.B1-098005	46	P7473015.B1-111931	55	P7473015.B1-111075	65
P7573037.B1-101769	49	P7573037.B1-101766	51	P7573037.B1-098004	52	P7573037.B1-098005	51	P7573037.B1-111931	60	P7573037.B1-111075	70
P7473016.B1-101769	44	P7473016.B1-101766	46	P7473016.B1-098004	47	P7473016.B1-098005	46	P7473016.B1-111931	55	P7473016.B1-111075	65
P7573038.B1-101769	49	P7573038.B1-101766	51	P7573038.B1-098004	52	P7573038.B1-098005	51	P7573038.B1-111931	60	P7573038.B1-111075	70
P7473017.B1-101769	44	P7473017.B1-101766	46	P7473017.B1-098004	47	P7473017.B1-098005	46	P7473017.B1-111931	55	P7473017.B1-111075	65
P7573039.B1-101769	49	P7573039.B1-101766	51	P7573039.B1-098004	52	P7573039.B1-098005	51	P7573039.B1-111931	60	P7573039.B1-111075	70
P7473018.B1-101769	44	P7473018.B1-101766	46	P7473018.B1-098004	47	P7473018.B1-098005	46	P7473018.B1-111931	55	P7473018.B1-111075	65
P7573040.B1-101769	49	P7573040.B1-101766	51	P7573040.B1-098004	52	P7573040.B1-098005	51	P7573040.B1-111931	60	P7573040.B1-111075	70
P7473019.B1-101769	44	P7473019.B1-101766	46	P7473019.B1-098004	47	P7473019.B1-098005	46	P7473019.B1-111931	55	P7473019.B1-111075	65
P7573041.B1-101769	49	P7573041.B1-101766	51	P7573041.B1-098004	52	P7573041.B1-098005	51	P7573041.B1-111931	60	P7573041.B1-111075	70
P7473020.B1-101769	44	P7473020.B1-101766	46	P7473020.B1-098004	47	P7473020.B1-098005	46	P7473020.B1-111931	55	P7473020.B1-111075	65
P7573042.B1-101769	49	P7573042.B1-101766	51	P7573042.B1-098004	52	P7573042.B1-098005	51	P7573042.B1-111931	60	P7573042.B1-111075	70
P7473021.B1-101769	44	P7473021.B1-101766	46	P7473021.B1-098004	47	P7473021.B1-098005	46	P7473021.B1-111931	55	P7473021.B1-111075	65
P7573043.B1-101769	49	P7573043.B1-101766	51	P7573043.B1-098004	52	P7573043.B1-098005	51	P7573043.B1-111931	60	P7573043.B1-111075	70
P7573044.B1-101769	49	P7573044.B1-101766	51	P7573044.B1-098004	52	P7573044.B1-098005	51	P7573044.B1-111931	60	P7573044.B1-111075	70

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

IN THIS CATALOG

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 60



QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1/2 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung Load (lbs.) ●	Ratio	Number of Reductions	Weight ♦ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
503	10.03	60	204	3.48	2	11	56C	P7172001.B1
405	8.02	75	216	4.32	2	11	56C	P7172002.B1
318	6.34	95	230	5.50	2	11	56C	P7172003.B1
275	5.47	110	250	6.36	2	11	56C	P7172004.B1
241	4.78	126	260	7.26	2	11	56C	P7172005.B1
222	4.43	136	266	7.89	2	11	56C	P7172006.B1
174	4.60	174	284	10.04	2	11	56C	P7172008.B1
150	3.96	202	293	11.64	2	11	56C	P7172009.B1
132	3.48	229	305	13.26	2	11	56C	P7172010.B1
114	3.00	265	321	15.37	2	11	56C	P7172011.B1
108	2.80	285	335	16.20	2	11	56C	P7172012.B1
108	4.06	285	520	16.20	2	11	56C	P7272012.B1
93	2.42	329	350	18.80	2	11	56C	P7172013.B1
93	3.50	329	535	18.80	2	11	56C	P7272013.B1
81	2.14	373	374	21.54	2	11	56C	P7172014.B1
81	3.20	373	562	21.54	2	11	56C	P7272014.B1
79	2.08	383	375	22.26	2	11	56C	P7172015.B1
79	3.11	383	562	22.26	2	11	56C	P7272015.B1
67	1.72	465	420	26.30	2	11	56C	P7172016.B1
67	2.50	465	615	26.30	2	11	56C	P7272016.B1
60	1.58	504	435	29.40	2	11	56C	P7172017.B1
60	2.34	504	629	29.40	2	11	56C	P7272017.B1
52	1.42	564	459	33.50	3	12	56C	P7173001.B1
52	2.12	564	645	33.50	3	12	56C	P7273001.B1
52	4.20	564	918	34.01	3	24	56C	P7473001.B1
49	1.26	630	470	35.90	2	11	56C	P7172018.B1
49	1.84	630	660	35.90	2	11	56C	P7272018.B1
46	1.20	658	478	38.37	2	11	56C	P7172019.B1
46	1.70	637	663	38.37	2	11	56C	P7272019.B1
44	3.60	666	988	39.79	3	24	56C	P7473002.B1
43	3.44	704	988	40.50	2	23	56C	P7472016.B1
40	1.10	733	495	43.69	3	12	56C	P7173003.B1
40	1.62	733	674	43.69	3	12	56C	P7273003.B1
40	3.00	756	1012	44.23	2	23	56C	P7472017.B1

- ♦ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

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QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



1/2 HP Gear+Motor™ Quick Selections

TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7172001.B1-102860	33	P7172001.B1-102862	36	P7172001.B1-098000	35	P7172001.B1-098008	36	P7172001.B1-111930	47	P7172001.B1-111085	56
P7172002.B1-102860	33	P7172002.B1-102862	36	P7172002.B1-098000	35	P7172002.B1-098008	36	P7172002.B1-111930	47	P7172002.B1-111085	56
P7172003.B1-102860	33	P7172003.B1-102862	36	P7172003.B1-098000	35	P7172003.B1-098008	36	P7172003.B1-111930	47	P7172003.B1-111085	56
P7172004.B1-102860	33	P7172004.B1-102862	36	P7172004.B1-098000	35	P7172004.B1-098008	36	P7172004.B1-111930	47	P7172004.B1-111085	56
P7172005.B1-102860	33	P7172005.B1-102862	36	P7172005.B1-098000	35	P7172005.B1-098008	36	P7172005.B1-111930	47	P7172005.B1-111085	56
P7172006.B1-102860	33	P7172006.B1-102862	36	P7172006.B1-098000	35	P7172006.B1-098008	36	P7172006.B1-111930	47	P7172006.B1-111085	56
P7172008.B1-102860	33	P7172008.B1-102862	36	P7172008.B1-098000	35	P7172008.B1-098008	36	P7172008.B1-111930	47	P7172008.B1-111085	56
P7172009.B1-102860	33	P7172009.B1-102862	36	P7172009.B1-098000	35	P7172009.B1-098008	36	P7172009.B1-111930	47	P7172009.B1-111085	56
P7172010.B1-102860	33	P7172010.B1-102862	36	P7172010.B1-098000	35	P7172010.B1-098008	36	P7172010.B1-111930	47	P7172010.B1-111085	56
P7172011.B1-102860	33	P7172011.B1-102862	36	P7172011.B1-098000	35	P7172011.B1-098008	36	P7172011.B1-111930	47	P7172011.B1-111085	56
P7172012.B1-102860	33	P7172012.B1-102862	36	P7172012.B1-098000	35	P7172012.B1-098008	36	P7172012.B1-111930	47	P7172012.B1-111085	56
P7272012.B1-102860	33	P7272012.B1-102862	36	P7272012.B1-098000	35	P7272012.B1-098008	36	P7272012.B1-111930	47	P7272012.B1-111085	56
P7172013.B1-102860	33	P7172013.B1-102862	36	P7172013.B1-098000	35	P7172013.B1-098008	36	P7172013.B1-111930	47	P7172013.B1-111085	56
P7272013.B1-102860	33	P7272013.B1-102862	36	P7272013.B1-098000	35	P7272013.B1-098008	36	P7272013.B1-111930	47	P7272013.B1-111085	56
P7172014.B1-102860	33	P7172014.B1-102862	36	P7172014.B1-098000	35	P7172014.B1-098008	36	P7172014.B1-111930	47	P7172014.B1-111085	56
P7272014.B1-102860	33	P7272014.B1-102862	36	P7272014.B1-098000	35	P7272014.B1-098008	36	P7272014.B1-111930	47	P7272014.B1-111085	56
P7172015.B1-102860	33	P7172015.B1-102862	36	P7172015.B1-098000	35	P7172015.B1-098008	36	P7172015.B1-111930	47	P7172015.B1-111085	56
P7272015.B1-102860	33	P7272015.B1-102862	36	P7272015.B1-098000	35	P7272015.B1-098008	36	P7272015.B1-111930	47	P7272015.B1-111085	56
P7172016.B1-102860	33	P7172016.B1-102862	36	P7172016.B1-098000	35	P7172016.B1-098008	36	P7172016.B1-111930	47	P7172016.B1-111085	56
P7272016.B1-102860	33	P7272016.B1-102862	36	P7272016.B1-098000	35	P7272016.B1-098008	36	P7272016.B1-111930	47	P7272016.B1-111085	56
P7172017.B1-102860	33	P7172017.B1-102862	36	P7172017.B1-098000	35	P7172017.B1-098008	36	P7172017.B1-111930	47	P7172017.B1-111085	56
P7272017.B1-102860	33	P7272017.B1-102862	36	P7272017.B1-098000	35	P7272017.B1-098008	36	P7272017.B1-111930	47	P7272017.B1-111085	56
P7173001.B1-102860	34	P7173001.B1-102862	37	P7173001.B1-098000	36	P7173001.B1-098008	37	P7173001.B1-111930	48	P7173001.B1-111085	57
P7273001.B1-102860	34	P7273001.B1-102862	37	P7273001.B1-098000	36	P7273001.B1-098008	37	P7273001.B1-111930	48	P7273001.B1-111085	57
P7473001.B1-102860	46	P7473001.B1-102862	49	P7473001.B1-098000	48	P7473001.B1-098008	49	P7473001.B1-111930	60	P7473001.B1-111085	69
P7172018.B1-102860	33	P7172018.B1-102862	36	P7172018.B1-098000	35	P7172018.B1-098008	36	P7172018.B1-111930	47	P7172018.B1-111085	56
P7272018.B1-102860	33	P7272018.B1-110056	36	P7272018.B1-098000	35	P7272018.B1-098008	36	P7272018.B1-111930	47	P7272018.B1-111085	56
P7172019.B1-102860	33	P7172019.B1-102862	36	P7172019.B1-098000	35	P7172019.B1-098008	36	P7172019.B1-111930	47	P7172019.B1-111085	56
P7272019.B1-102860	33	P7272019.B1-102862	36	P7272019.B1-098000	35	P7272019.B1-098008	36	P7272019.B1-111930	47	P7272019.B1-111085	56
P7473002.B1-102860	46	P7473002.B1-102862	49	P7473002.B1-098000	48	P7473002.B1-098008	49	P7473002.B1-111930	60	P7473002.B1-111085	69
P7472016.B1-102860	45	P7472016.B1-102862	48	P7472016.B1-098000	47	P7472016.B1-098008	48	P7472016.B1-111930	59	P7472016.B1-111085	68
P7173003.B1-102860	34	P7173003.B1-102862	37	P7173003.B1-098000	36	P7173003.B1-098008	37	P7173003.B1-111930	48	P7173003.B1-111085	57
P7273003.B1-102860	34	P7273003.B1-102862	37	P7273003.B1-098000	36	P7273003.B1-098008	37	P7273003.B1-111930	48	P7273003.B1-111085	57
P7472017.B1-102860	45	P7472017.B1-102862	48	P7472017.B1-098000	47	P7472017.B1-098008	48	P7472017.B1-111930	59	P7472017.B1-111085	68

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

TABLE CONTINUES ON NEXT PAGE

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1/2 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ◆ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
37	0.96	818	507	46.80	2	11	56C	P7172020.B1
37	1.30	818	674	46.80	2	11	56C	P7272020.B1
37	3.02	792	1028	47.22	3	24	56C	P7473003.B1
36	2.84	840	1028	49.00	2	23	56C	P7472018.B1
35	1.40	837	674	50.64	3	12	56C	P7273004.B1
35	1.28	864	674	50.67	2	11	56C	P7272021.B1
33	1.28	916	674	53.40	3	12	56C	P7273005.B1
32	2.62	916	1041	54.73	3	24	56C	P7473004.B1
31	2.50	945	1050	57.13	3	24	56C	P7473005.B1
29	2.08	1043	1050	60.90	2	23	56C	P7472019.B1
29	2.66	1043	1367	60.90	2	28	56C	P7572038.B1
29	1.16	1011	674	61.22	3	12	56C	P7273006.B1
28	1.10	1047	674	62.00	3	12	56C	P7273007.B1
26	2.16	1127	1075	66.22	3	24	56C	P7473006.B1
25	1.00	1172	674	70.95	3	12	56C	P7273008.B1
25	2.02	1172	1079	71.01	3	24	56C	P7473007.B1
23	1.86	1274	1091	76.69	3	24	56C	P7473008.B1
23	2.62	1274	1414	76.69	3	29	56C	P7573030.B1
21	1.74	1396	1096	82.30	3	24	56C	P7473009.B1
21	2.44	1396	1422	82.30	3	29	56C	P7573031.B1
19	1.54	1542	1102	92.78	3	24	56C	P7473011.B1
19	2.18	1542	1430	92.78	3	29	56C	P7573033.B1
17	1.36	1724	1112	104.68	3	24	56C	P7473012.B1
17	1.92	1724	1454	104.68	3	29	56C	P7573034.B1
15	1.22	1954	1124	117.22	3	24	56C	P7473013.B1
15	1.72	1954	1461	117.22	3	29	56C	P7573035.B1
14	1.12	2093	1130	126.65	3	24	56C	P7473014.B1
14	1.58	2093	1468	126.65	3	29	56C	P7573036.B1
13	1.06	2254	1136	135.74	3	24	56C	P7473015.B1
13	1.48	2254	1472	135.74	3	29	56C	P7573037.B1
12	0.98	2442	1150	145.68	3	24	56C	P7473016.B1
12	1.38	2442	1475	145.68	3	29	56C	P7573038.B1
11	1.28	2664	1492	157.40	3	29	56C	P7573039.B1
11	1.22	2664	1492	164.23	3	29	56C	P7573040.B1
9.4	1.10	3118	1498	185.29	3	29	56C	P7573041.B1
8.6	0.98	3408	1502	204.12	3	29	56C	P7573042.B1

- ◆ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer.
Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

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QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7172020.B1-102860	33	P7172020.B1-102862	36	P7172020.B1-098000	35	P7172020.B1-098008	36	P7172020.B1-111930	47	P7172020.B1-111085	56
P7272020.B1-102860	33	P7272020.B1-102862	36	P7272020.B1-098000	35	P7272020.B1-098008	36	P7272020.B1-111930	47	P7272020.B1-111085	56
P7473003.B1-102860	46	P7473003.B1-102862	49	P7473003.B1-098000	48	P7473003.B1-098008	49	P7473003.B1-111930	60	P7473003.B1-111085	69
P7472018.B1-102860	45	P7472018.B1-102862	48	P7472018.B1-098000	47	P7472018.B1-098008	48	P7472018.B1-111930	59	P7472018.B1-111085	68
P7273004.B1-102860	34	P7273004.B1-102862	37	P7273004.B1-098000	36	P7273004.B1-098008	37	P7273004.B1-111930	48	P7273004.B1-111085	57
P7272021.B1-102860	33	P7272021.B1-102862	36	P7272021.B1-098000	35	P7272021.B1-098008	36	P7272021.B1-111930	47	P7272021.B1-111085	56
P7273005.B1-102860	34	P7273005.B1-102862	37	P7273005.B1-098000	36	P7273005.B1-098008	37	P7273005.B1-111930	48	P7273005.B1-111085	57
P7473004.B1-102860	46	P7473004.B1-102862	49	P7473004.B1-098000	48	P7473004.B1-098008	49	P7473004.B1-111930	60	P7473004.B1-111085	69
P7473005.B1-102860	46	P7473005.B1-102862	49	P7473005.B1-098000	48	P7473005.B1-098008	49	P7473005.B1-111930	60	P7473005.B1-111085	69
P7472019.B1-102860	45	P7472019.B1-102862	48	P7472019.B1-098000	47	P7472019.B1-098008	48	P7472019.B1-111930	59	P7472019.B1-111085	68
P7572038.B1-102860	50	P7572038.B1-102862	53	P7572038.B1-098000	52	P7572038.B1-098008	53	P7572038.B1-111930	64	P7572038.B1-111085	73
P7273006.B1-102860	34	P7273006.B1-102862	37	P7273006.B1-098000	36	P7273006.B1-098008	37	P7273006.B1-111930	48	P7273006.B1-111085	57
P7273007.B1-102860	34	P7273007.B1-102862	37	P7273007.B1-098000	36	P7273007.B1-098008	37	P7273007.B1-111930	48	P7273007.B1-111085	57
P7473006.B1-102860	46	P7473006.B1-102862	49	P7473006.B1-098000	48	P7473006.B1-098008	49	P7473006.B1-111930	60	P7473006.B1-111085	69
P7273008.B1-102860	34	P7273008.B1-102862	37	P7273008.B1-098000	36	P7273008.B1-098008	37	P7273008.B1-111930	48	P7273008.B1-111085	57
P7473007.B1-102860	46	P7473007.B1-102862	49	P7473007.B1-098000	48	P7473007.B1-098008	49	P7473007.B1-111930	60	P7473007.B1-111085	69
P7473008.B1-102860	46	P7473008.B1-102862	49	P7473008.B1-098000	48	P7473008.B1-098008	49	P7473008.B1-111930	60	P7473008.B1-111085	69
P7573030.B1-102860	51	P7573030.B1-102862	54	P7573030.B1-098000	53	P7573030.B1-098008	54	P7573030.B1-111930	65	P7573030.B1-111085	74
P7473009.B1-102860	46	P7473009.B1-102862	49	P7473009.B1-098000	48	P7473009.B1-098008	49	P7473009.B1-111930	60	P7473009.B1-111085	69
P7573031.B1-102860	51	P7573031.B1-102862	54	P7573031.B1-098000	53	P7573031.B1-098008	54	P7573031.B1-111930	65	P7573031.B1-111085	74
P7473011.B1-102860	46	P7473011.B1-102862	49	P7473011.B1-098000	48	P7473011.B1-098008	49	P7473011.B1-111930	60	P7473011.B1-111085	69
P7573033.B1-102860	51	P7573033.B1-102862	54	P7573033.B1-098000	53	P7573033.B1-098008	54	P7573033.B1-111930	65	P7573033.B1-111085	74
P7473012.B1-102860	46	P7473012.B1-102862	49	P7473012.B1-098000	48	P7473012.B1-098008	49	P7473012.B1-111930	60	P7473012.B1-111085	69
P7573034.B1-102860	51	P7573034.B1-102862	54	P7573034.B1-098000	53	P7573034.B1-098008	54	P7573034.B1-111930	65	P7573034.B1-111085	74
P7473013.B1-102860	46	P7473013.B1-102862	49	P7473013.B1-098000	48	P7473013.B1-098008	49	P7473013.B1-111930	60	P7473013.B1-111085	69
P7573035.B1-102860	51	P7573035.B1-102862	54	P7573035.B1-098000	53	P7573035.B1-098008	54	P7573035.B1-111930	65	P7573035.B1-111085	74
P7473014.B1-102860	46	P7473014.B1-102862	49	P7473014.B1-098000	48	P7473014.B1-098008	49	P7473014.B1-111930	60	P7473014.B1-111085	69
P7573036.B1-102860	51	P7573036.B1-102862	54	P7573036.B1-098000	53	P7573036.B1-098008	54	P7573036.B1-111930	65	P8573036.B1-111085	74
P7473015.B1-102860	46	P7473015.B1-102862	49	P7473015.B1-098000	48	P7473015.B1-098008	49	P7473015.B1-111930	60	P7473015.B1-111085	69
P7573037.B1-102860	51	P7573037.B1-102862	54	P7573037.B1-098000	53	P7573037.B1-098008	54	P7573037.B1-111930	65	P7573037.B1-111085	74
P7473016.B1-102860	46	P7473016.B1-102862	49	P7473016.B1-098000	48	P7473016.B1-098008	49	P7473016.B1-111930	60	P7473016.B1-111085	69
P7573038.B1-102860	51	P7573038.B1-102862	54	P7573038.B1-098000	53	P7573038.B1-098008	54	P7573038.B1-111930	65	P7573038.B1-111085	74
P7573039.B1-102860	51	P7573039.B1-102862	54	P7573039.B1-098000	53	P7573039.B1-098008	54	P7573039.B1-111930	65	P7573039.B1-111085	74
P7573040.B1-102860	51	P7573040.B1-102862	54	P7573040.B1-098000	53	P7573040.B1-098008	54	P7573040.B1-111930	65	P7573040.B1-111085	74
P7573041.B1-102860	51	P7573041.B1-102862	54	P7573041.B1-098000	53	P7573041.B1-098008	54	P7573041.B1-111930	65	P7573041.B1-111085	74
P7573042.B1-102860	51	P7573042.B1-102862	54	P7573042.B1-098000	53	P7573042.B1-098008	54	P7573042.B1-111930	65	P7573042.B1-111085	74

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



3/4 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung Load (lbs.) ●	Ratio	Number of Reductions	Weight ♦ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
503	6.69	90	204	3.48	2	11	56C	P7172001.B1
405	5.38	112	216	4.32	2	11	56C	P7172002.B1
318	4.21	143	230	5.50	2	11	56C	P7172003.B1
275	3.65	165	250	6.36	2	11	56C	P7172004.B1
241	3.20	188	260	7.26	2	11	56C	P7172005.B1
222	2.95	204	266	7.89	2	11	56C	P7172006.B1
174	3.07	261	284	10.04	2	11	56C	P7172008.B1
150	2.64	303	293	11.64	2	11	56C	P7172009.B1
150	3.93	303	445	11.64	2	11	56C	P7272009.B1
132	2.32	344	305	13.26	2	11	56C	P7172010.B1
132	3.47	344	476	13.26	2	11	56C	P7272010.B1
114	2.00	398	321	15.37	2	11	56C	P7172011.B1
114	2.99	398	508	15.37	2	11	56C	P7272011.B1
108	1.87	428	335	16.20	2	11	56C	P7172012.B1
108	2.71	428	520	16.20	2	11	56C	P7272012.B1
93	1.61	493	350	18.80	2	11	56C	P7172013.B1
93	2.33	493	535	18.80	2	11	56C	P7272013.B1
81	1.43	560	374	21.54	2	11	56C	P7172014.B1
81	2.13	560	562	21.54	2	11	56C	P7272014.B1
79	1.39	574	375	22.26	2	11	56C	P7172015.B1
79	2.07	574	562	22.26	2	11	56C	P7272015.B1
70	3.55	628	877	24.98	2	23	56C	P7472013.B1
67	1.15	698	420	26.30	2	11	56C	P7172016.B1
67	1.67	698	615	26.30	2	11	56C	P7272016.B1
60	1.05	756	435	29.40	2	11	56C	P7172017.B1
60	1.56	756	629	29.40	2	11	56C	P7272017.B1
60	3.31	756	900	29.41	2	23	56C	P7472014.B1
52	1.41	845	645	33.50	3	12	56C	P7273001.B1
52	2.80	845	918	34.01	3	24	56C	P7473001.B1
49	2.70	926	922	35.58	2	23	56C	P7472015.B1
49	1.23	945	660	35.90	2	11	56C	P7272018.B1
46	1.13	986	663	38.37	2	11	56C	P7272019.B1
46	1.16	956	663	38.34	3	12	56C	P7273002.B1
44	2.40	999	988	39.79	3	24	56C	P7473002.B1
43	2.29	1055	988	40.50	2	23	56C	P7472016.B1

- ♦ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

QUICK REFERENCE

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QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7172001.B1-110047	36	P7172001.B1-110057	39	P7172001.B1-098032	38	P7172001.B1-098069	38	P7172001.B1-111935	55	P7172001.B1-111086	61
P7172002.B1-110047	36	P7172002.B1-110057	39	P7172002.B1-098032	38	P7172002.B1-098069	38	P7172002.B1-111935	55	P7172002.B1-111086	61
P7172003.B1-110047	36	P7172003.B1-110057	39	P7172003.B1-098032	38	P7172003.B1-098069	38	P7172003.B1-111935	55	P7172003.B1-111086	61
P7172004.B1-110047	36	P7172004.B1-110057	39	P7172004.B1-098032	38	P7172004.B1-098069	38	P7172004.B1-111935	55	P7172004.B1-111086	61
P7172005.B1-110047	36	P7172005.B1-110057	39	P7172005.B1-098032	38	P7172005.B1-098069	38	P7172005.B1-111935	55	P7172005.B1-111086	61
P7172006.B1-110047	36	P7172006.B1-110057	39	P7172006.B1-098032	38	P7172006.B1-098069	38	P7172006.B1-111935	55	P7172006.B1-111086	61
P7172008.B1-110047	36	P7172008.B1-110057	39	P7172008.B1-098032	38	P7172008.B1-098069	38	P7172008.B1-111935	55	P7172008.B1-111086	61
P7172009.B1-110047	36	P7172009.B1-110057	39	P7172009.B1-098032	38	P7172009.B1-098069	38	P7172009.B1-111935	55	P7172009.B1-111086	61
P7272009.B1-110047	36	P7272009.B1-110057	39	P7272009.B1-098032	38	P7272009.B1-098069	38	P7272009.B1-111935	55	P7272009.B1-111086	61
P7172010.B1-110047	36	P7172010.B1-110057	39	P7172010.B1-098032	38	P7172010.B1-098069	38	P7172010.B1-111935	55	P7172010.B1-111086	61
P7272010.B1-110047	36	P7272010.B1-110057	39	P7272010.B1-098032	38	P7272010.B1-098069	38	P7272010.B1-111935	55	P7272010.B1-111086	61
P7172011.B1-110047	36	P7172011.B1-110057	39	P7172011.B1-098032	38	P7172011.B1-098069	38	P7172011.B1-111935	55	P7172011.B1-111086	61
P7272011.B1-110047	36	P7272011.B1-110057	39	P7272011.B1-098032	38	P7272011.B1-098069	38	P7272011.B1-111935	55	P7272011.B1-111086	61
P7172012.B1-110047	36	P7172012.B1-110057	39	P7172012.B1-098032	38	P7172012.B1-098069	38	P7172012.B1-111935	55	P7172012.B1-111086	61
P7272012.B1-110047	36	P7272012.B1-110057	39	P7272012.B1-098032	38	P7272012.B1-098069	38	P7272012.B1-111935	55	P7272012.B1-111086	61
P7172013.B1-110047	36	P7172013.B1-110057	39	P7172013.B1-098032	38	P7172013.B1-098069	38	P7172013.B1-111935	55	P7172013.B1-111086	61
P7272013.B1-110047	36	P7272013.B1-110057	39	P7272013.B1-098032	38	P7272013.B1-098069	38	P7272013.B1-111935	55	P7272013.B1-111086	61
P7172014.B1-110047	36	P7172014.B1-110057	39	P7172014.B1-098032	38	P7172014.B1-098069	38	P7172014.B1-111935	55	P7172014.B1-111086	61
P7272014.B1-110047	36	P7272014.B1-110057	39	P7272014.B1-098032	38	P7272014.B1-098069	38	P7272014.B1-111935	55	P7272014.B1-111086	61
P7172015.B1-110047	36	P7172015.B1-110057	39	P7172015.B1-098032	38	P7172015.B1-098069	38	P7172015.B1-111935	55	P7172015.B1-111086	61
P7272015.B1-110047	36	P7272015.B1-110057	39	P7272015.B1-098032	38	P7272015.B1-098069	38	P7272015.B1-111935	55	P7272015.B1-111086	61
P7472013.B1-110047	48	P7472013.B1-110057	51	P7472013.B1-098032	50	P7472013.B1-098069	50	P7472013.B1-111935	67	P7472013.B1-111086	73
P7172016.B1-110047	36	P7172016.B1-110057	39	P7172016.B1-098032	38	P7172016.B1-098069	38	P7172016.B1-111935	55	P7172016.B1-111086	61
P7272016.B1-110047	36	P7272016.B1-110057	39	P7272016.B1-098032	38	P7272016.B1-098069	38	P7272016.B1-111935	55	P7272016.B1-111086	61
P7172017.B1-110047	36	P7172017.B1-110057	39	P7172017.B1-098032	38	P7172017.B1-098069	38	P7172017.B1-111935	55	P7172017.B1-111086	61
P7272017.B1-110047	36	P7272017.B1-110057	39	P7272017.B1-098032	38	P7272017.B1-098069	38	P7272017.B1-111935	55	P7272017.B1-111086	61
P7472014.B1-110047	48	P7472014.B1-110057	51	P7472014.B1-098032	50	P7472014.B1-098069	50	P7472014.B1-111935	67	P7472014.B1-111086	73
P7273001.B1-110047	37	P7273001.B1-110057	40	P7273001.B1-098032	39	P7273001.B1-098069	39	P7273001.B1-111935	56	P7273001.B1-111086	62
P7473001.B1-110047	49	P7473001.B1-110057	52	P7473001.B1-098032	51	P7473001.B1-098069	51	P7473001.B1-111935	68	P7473001.B1-111086	74
P7472015.B1-110047	48	P7472015.B1-110057	51	P7472015.B1-098032	50	P7472015.B1-098069	50	P7472015.B1-111935	67	P7472015.B1-111086	73
P7272018.B1-110047	36	P7272018.B1-110057	39	P7272018.B1-098032	38	P7272018.B1-098069	38	P7272018.B1-111935	55	P7272018.B1-111086	61
P7272019.B1-110047	36	P7272019.B1-110057	39	P7272019.B1-098032	38	P7272019.B1-098069	38	P7272019.B1-111935	55	P7272019.B1-111086	61
P7273002.B1-110047	37	P7273002.B1-110057	40	P7273002.B1-098032	39	P7273002.B1-098069	39	P7273002.B1-111935	56	P7273002.B1-111086	62
P7473002.B1-110047	49	P7473002.B1-110057	52	P7473002.B1-098032	51	P7473002.B1-098069	51	P7473002.B1-111935	68	P7473002.B1-111086	74
P7472016.B1-110047	48	P7472016.B1-110057	51	P7472016.B1-098032	50	P7472016.B1-098069	50	P7472016.B1-111935	67	P7472016.B1-111086	73

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

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IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



3/4 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung Load (lbs.) ●	Ratio	Number of Reductions	Weight (lbs.) ◆	Motor Frame	Motorized B1 Base Mount Catalog No.
40	1.08	1099	674	43.69	3	12	56C	P7273003.B1
40	2.00	1134	1012	44.23	2	23	56C	P7472017.B1
40	2.44	1134	1304	44.23	2	28	56C	P7572036.B1
37	2.01	1188	1028	47.22	3	24	56C	P7473003.B1
36	1.89	1261	1028	49.00	2	23	56C	P7472018.B1
36	2.19	1261	1330	49.00	2	28	56C	P7572037.B1
32	1.75	1374	1041	54.73	3	24	56C	P7473004.B1
32	2.45	1374	1354	54.73	3	29	56C	P7573026.B1
31	1.67	1418	1050	57.13	3	24	56C	P7473005.B1
31	2.35	1418	1354	57.13	3	29	56C	P7573027.B1
29	1.39	1565	1050	60.90	2	23	56C	P7472019.B1
29	1.77	1565	1367	60.90	2	28	56C	P7572038.B1
26	1.44	1691	1075	66.22	3	24	56C	P7473006.B1
26	2.03	1691	1519	66.22	3	29	56C	P7573028.B1
25	1.35	1758	1079	71.01	3	24	56C	P7473007.B1
25	1.89	1758	1398	71.01	3	29	56C	P7573029.B1
23	1.24	1911	1091	76.69	3	24	56C	P7473008.B1
23	1.75	1911	1414	76.69	3	29	56C	P7573030.B1
21	1.16	2093	1091	82.30	3	24	56C	P7473009.B1
21	1.63	2093	1422	82.30	3	29	56C	P7573031.B1
21	1.15	2093	1091	83.59	3	24	56C	P7473010.B1
19	1.03	2314	1102	92.78	3	24	56C	P7473011.B1
19	1.45	2314	1430	92.78	3	29	56C	P7573033.B1
17	1.28	2586	1454	104.68	3	29	56C	P7573034.B1
15	1.15	2931	1461	117.22	3	29	56C	P7573035.B1
14	1.05	3140	1468	126.65	3	29	56C	P7573036.B1
13	0.99	3382	1472	135.74	3	29	56C	P7573037.B1

- ◆ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

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QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



3/4 HP Gear+Motor™ Quick Selections											
TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7273003.B1-110047	37	P7273003.B1-110057	40	P7273003.B1-098032	39	P7273003.B1-098069	39	P7273003.B1-111935	56	P7273003.B1-111086	62
P7472017.B1-110047	48	P7472017.B1-110057	51	P7472017.B1-098032	50	P7472017.B1-098069	50	P7472017.B1-111935	67	P7472017.B1-111086	73
P7572036.B1-110047	53	P7572036.B1-110057	56	P7572036.B1-098032	55	P7572036.B1-098069	55	P7572036.B1-111935	72	P7572036.B1-111086	78
P7473003.B1-110047	49	P7473003.B1-110057	52	P7473003.B1-098032	51	P7473003.B1-098069	51	P7473003.B1-111935	68	P7473003.B1-111086	74
P7472018.B1-110047	48	P7472018.B1-110057	51	P7472018.B1-098032	50	P7472018.B1-098069	50	P7472018.B1-111935	67	P7472018.B1-111086	73
P7572037.B1-110047	53	P7572037.B1-110057	56	P7572037.B1-098032	55	P7572037.B1-098069	55	P7572037.B1-111935	72	P7572037.B1-111086	78
P7473004.B1-110047	49	P7473004.B1-110057	52	P7473004.B1-098032	51	P7473004.B1-098069	51	P7473004.B1-111935	68	P7473004.B1-111086	74
P7573026.B1-110047	54	P7573026.B1-110057	57	P7573026.B1-098032	56	P7573026.B1-098069	56	P7573026.B1-111935	73	P7573026.B1-111086	79
P7473005.B1-110047	49	P7473005.B1-110057	52	P7473005.B1-098032	51	P7473005.B1-098069	51	P7473005.B1-111935	68	P7473005.B1-111086	74
P7573027.B1-110047	54	P7573027.B1-110057	57	P7573027.B1-098032	56	P7573027.B1-098069	56	P7573027.B1-111935	73	P7573027.B1-111086	79
P7472019.B1-110047	48	P7472019.B1-110057	51	P7472019.B1-098032	50	P7472019.B1-098069	50	P7472019.B1-111935	67	P7472019.B1-111086	73
P7572038.B1-110047	53	P7572038.B1-110057	56	P7572038.B1-098032	55	P7572038.B1-098069	55	P7572038.B1-111935	72	P7572038.B1-111086	78
P7473006.B1-110047	49	P7473006.B1-110057	52	P7473006.B1-098032	51	P7473006.B1-098069	51	P7473006.B1-111935	68	P7473006.B1-111086	74
P7573028.B1-110047	54	P7573028.B1-110057	57	P7573028.B1-098032	56	P7573028.B1-098069	56	P7573028.B1-111935	73	P7573028.B1-111086	79
P7473007.B1-110047	49	P7473007.B1-110057	52	P7473007.B1-098032	51	P7473007.B1-098069	51	P7473007.B1-111935	68	P7473007.B1-111086	74
P7573029.B1-110047	54	P7573029.B1-110057	57	P7573029.B1-098032	56	P7573029.B1-098069	56	P7573029.B1-111935	73	P7573029.B1-111086	79
P7473008.B1-110047	49	P7473008.B1-110057	52	P7473008.B1-098032	51	P7473008.B1-098069	51	P7473008.B1-111935	68	P7473008.B1-111086	74
P7573030.B1-110047	54	P7573030.B1-110057	57	P7573030.B1-098032	56	P7573030.B1-098069	56	P7573030.B1-111935	73	P7573030.B1-111086	79
P7473009.B1-110047	49	P7473009.B1-110057	52	P7473009.B1-098032	51	P7473009.B1-098069	51	P7473009.B1-111935	68	P7473009.B1-111086	74
P7573031.B1-110047	54	P7573031.B1-110057	57	P7573031.B1-098032	56	P7573031.B1-098069	56	P7573031.B1-111935	73	P7573031.B1-111086	79
P7473010.B1-110047	49	P7473010.B1-110057	52	P7473010.B1-098032	51	P7473010.B1-098069	51	P7473010.B1-111935	68	P7473010.B1-111086	74
P7473011.B1-110047	49	P7473011.B1-110057	52	P7473011.B1-098032	51	P7473011.B1-098069	51	P7473011.B1-111935	68	P7473011.B1-111086	74
P7573033.B1-110047	54	P7573033.B1-110057	57	P7573033.B1-098032	56	P7573033.B1-098069	56	P7573033.B1-111935	73	P7573033.B1-111086	79
P7573034.B1-110047	54	P7573034.B1-110057	57	P7573034.B1-098032	56	P7573034.B1-098069	56	P7573034.B1-111935	73	P7573034.B1-111086	79
P7573035.B1-110047	54	P7573035.B1-110057	57	P7573035.B1-098032	56	P7573035.B1-098069	56	P7573035.B1-111935	73	P7573035.B1-111086	79
P7573036.B1-110047	54	P7573036.B1-110057	57	P7573036.B1-098032	56	P7573036.B1-098069	56	P7573036.B1-111935	73	P7573036.B1-111086	79
P7573037.B1-110047	54	P7573037.B1-110057	57	P7573037.B1-098032	56	P7573037.B1-098069	56	P7573037.B1-111935	73	P7573037.B1-111086	79

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung Load (lbs.) ●	Ratio	Number of Reductions	Weight ♦ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
503	5.02	120	204	3.48	2	11	56C	P7172001.B1
405	4.04	149	216	4.32	2	11	56C	P7172002.B1
318	3.17	190	230	5.50	2	11	56C	P7172003.B1
275	2.73	220	250	6.36	2	11	56C	P7172004.B1
275	2.73	220	376	6.36	2	11	56C	P7272004.B1
241	2.40	251	260	7.26	2	11	56C	P7172005.B1
241	4.24	251	391	7.26	2	11	56C	P7272005.B1
222	2.21	273	266	7.89	2	11	56C	P7172006.B1
222	3.70	273	400	7.89	2	11	56C	P7272006.B1
174	2.30	348	284	10.04	2	11	56C	P7172008.B1
174	3.42	348	420	10.04	2	11	56C	P7272008.B1
150	1.98	403	293	11.64	2	11	56C	P7172009.B1
150	2.95	403	445	11.64	2	11	56C	P7272009.B1
132	1.74	458	305	13.26	2	11	56C	P7172010.B1
132	2.60	458	474	13.26	2	11	56C	P7272010.B1
114	1.50	531	321	15.37	2	11	56C	P7172011.B1
114	2.24	531	510	15.37	2	11	56C	P7272011.B1
108	1.40	571	335	16.20	2	11	56C	P7172012.B1
108	2.03	571	520	16.20	2	11	56C	P7272012.B1
105	4.36	576	711	16.62	2	23	56C	P7472011.B1
93	1.21	658	350	18.80	2	11	56C	P7172013.B1
93	1.75	658	535	18.80	2	11	56C	P7272013.B1
87	3.60	695	780	20.10	2	23	56C	P7472012.B1
81	1.07	747	374	21.54	2	11	56C	P7172014.B1
81	1.60	747	562	21.54	2	11	56C	P7272014.B1
79	1.04	766	375	22.26	2	11	56C	P7172015.B1
79	1.55	766	562	22.26	2	11	56C	P7272015.B1
70	2.66	864	877	24.98	2	23	56C	P7472013.B1
67	1.25	931	615	26.30	2	11	56C	P7272016.B1
60	1.17	1008	629	29.40	2	11	56C	P7272017.B1
60	2.48	1008	900	29.41	2	23	56C	P7472014.B1

- ♦ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

QUICK REFERENCE
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INTERCHANGE BASE SELECTIONS 54



1 HP Gear+Motor™ Quick Selections											
TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7172001.B1-110048	39	P7172001.B1-110058	43	P7172001.B1-108022	51	P7172001.B1-108023	51	P7172001.B1-111926	57	P7172001.B1-110852	64
P7172002.B1-110048	39	P7172002.B1-110058	43	P7172002.B1-108022	51	P7172002.B1-108023	51	P7172002.B1-111926	57	P7172002.B1-110852	64
P7172003.B1-110048	39	P7172003.B1-110058	43	P7172003.B1-108022	51	P7172003.B1-108023	51	P7172003.B1-111926	57	P7172003.B1-110852	64
P7172004.B1-110048	39	P7172004.B1-110058	43	P7172004.B1-108022	51	P7172004.B1-108023	51	P7172004.B1-111926	57	P7172004.B1-110852	64
P7272004.B1-110048	39	P7272004.B1-110058	43	P7272004.B1-108022	51	P7272004.B1-108023	51	P7272004.B1-111926	57	P7272004.B1-110852	64
P7172005.B1-110048	39	P7172005.B1-110058	43	P7172005.B1-108022	51	P7172005.B1-108023	51	P7172005.B1-111926	57	P7172005.B1-110852	64
P7272005.B1-110048	39	P7272005.B1-110058	43	P7272005.B1-108022	51	P7272005.B1-108023	51	P7272005.B1-111926	57	P7272005.B1-110852	64
P7172006.B1-110048	39	P7172006.B1-110058	43	P7172006.B1-108022	51	P7172006.B1-108023	51	P7172006.B1-111926	57	P7172006.B1-110852	64
P7272006.B1-110048	39	P7272006.B1-110058	43	P7272006.B1-108022	51	P7272006.B1-108023	51	P7272006.B1-111926	57	P7272006.B1-110852	64
P7172008.B1-110048	39	P7172008.B1-110058	43	P7172008.B1-108022	51	P7172008.B1-108023	51	P7172008.B1-111926	57	P7172008.B1-110852	64
P7272008.B1-110048	39	P7272008.B1-110058	43	P7272008.B1-108022	51	P7272008.B1-108023	51	P7272008.B1-111926	57	P7272008.B1-110852	64
P7172009.B1-110048	39	P7172009.B1-110058	43	P7172009.B1-108022	51	P7172009.B1-108023	51	P7172009.B1-111926	57	P7172009.B1-110852	64
P7272009.B1-110048	39	P7272009.B1-110058	43	P7272009.B1-108022	51	P7272009.B1-108023	51	P7272009.B1-111926	57	P7272009.B1-110852	64
P7172010.B1-110048	39	P7172010.B1-110058	43	P7172010.B1-108022	51	P7172010.B1-108023	51	P7172010.B1-111926	57	P7172010.B1-110852	64
P7272010.B1-110048	39	P7272010.B1-110058	43	P7272010.B1-108022	51	P7272010.B1-108023	51	P7272010.B1-111926	57	P7272010.B1-110852	64
P7172011.B1-110048	39	P7172011.B1-110058	43	P7172011.B1-108022	51	P7172011.B1-108023	51	P7172011.B1-111926	57	P7172011.B1-110852	64
P7272011.B1-110048	39	P7272011.B1-110058	43	P7272011.B1-108022	51	P7272011.B1-108023	51	P7272011.B1-111926	57	P7272011.B1-110852	64
P7172012.B1-110048	39	P7172012.B1-110058	43	P7172012.B1-108022	51	P7172012.B1-108023	51	P7172012.B1-111926	57	P7172012.B1-110852	64
P7272012.B1-110048	39	P7272012.B1-110058	43	P7272012.B1-108022	51	P7272012.B1-108023	51	P7272012.B1-111926	57	P7272012.B1-110852	64
P7472011.B1-110048	51	P7472011.B1-110058	55	P7472011.B1-108022	63	P7472011.B1-108023	63	P7472011.B1-111926	69	P7472011.B1-110852	76
P7172013.B1-110048	39	P7172013.B1-110058	43	P7172013.B1-108022	51	P7172013.B1-108023	51	P7172013.B1-111926	57	P7172013.B1-110852	64
P7272013.B1-110048	39	P7272013.B1-110058	43	P7272013.B1-108022	51	P7272013.B1-108023	51	P7272013.B1-111926	57	P7272013.B1-110852	64
P7472012.B1-110048	51	P7472012.B1-110058	55	P7472012.B1-108022	63	P7472012.B1-108023	63	P7472012.B1-111926	69	P7472012.B1-110852	76
P7172014.B1-110048	39	P7172014.B1-110058	43	P7172014.B1-108022	51	P7172014.B1-108023	51	P7172014.B1-111926	57	P7172014.B1-110852	64
P7272014.B1-110048	39	P7272014.B1-110058	43	P7272014.B1-108022	51	P7272014.B1-108023	51	P7272014.B1-111926	57	P7272014.B1-110852	64
P7172015.B1-110048	39	P7172015.B1-110058	43	P7172015.B1-108022	51	P7172015.B1-108023	51	P7172015.B1-111926	57	P7172015.B1-110852	64
P7272015.B1-110048	39	P7272015.B1-110058	43	P7272015.B1-108022	51	P7272015.B1-108023	51	P7272015.B1-111926	57	P7272015.B1-110852	64
P7472013.B1-110048	51	P7472013.B1-110058	55	P7472013.B1-108022	63	P7472013.B1-108023	63	P7472013.B1-111926	69	P7472013.B1-110852	76
P7272016.B1-110048	39	P7272016.B1-110058	43	P7272016.B1-108022	51	P7272016.B1-108023	51	P7272016.B1-111926	57	P7272016.B1-110852	64
P7272017.B1-110048	39	P7272017.B1-110058	43	P7272017.B1-108022	51	P7272017.B1-108023	51	P7272017.B1-111926	57	P7272017.B1-110852	64
P7472014.B1-110048	51	P7472014.B1-110058	55	P7472014.B1-108022	63	P7472014.B1-108023	63	P7472014.B1-111926	69	P7472014.B1-110852	76

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

TABLE CONTINUES ON NEXT PAGE

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ◆ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
52	1.06	1127	645	33.50	3	12	56C	P7273001.B1
52	2.10	1127	918	34.01	3	24	56C	P7473001.B1
52	2.96	1127	1060	34.01	3	29	56C	P7573023.B1
49	2.03	1235	922	35.58	2	23	56C	P7472015.B1
49	2.43	1235	1079	35.58	2	28	56C	P7572034.B1
44	1.80	1332	988	39.79	3	24	56C	P7473002.B1
44	2.53	1332	1192	39.79	3	29	56C	P7573024.B1
43	1.72	1407	988	40.50	2	23	56C	P7472016.B1
43	1.82	1407	1192	40.50	2	28	56C	P7572035.B1
40	1.50	1513	1012	44.23	2	23	56C	P7472017.B1
40	1.83	1513	1304	44.23	2	28	56C	P7572036.B1
37	1.51	1584	1028	47.22	3	24	56C	P7473003.B1
37	2.13	1584	1323	47.22	3	29	56C	P7573025.B1
36	1.42	1681	1028	49.00	2	23	56C	P7472018.B1
36	1.64	1681	1330	49.00	2	28	56C	P7572037.B1
32	1.31	1832	1041	54.73	3	24	56C	P7473004.B1
32	1.84	1832	1354	54.73	3	29	56C	P7573026.B1
31	1.25	1891	1050	57.13	3	24	56C	P7473005.B1
31	1.76	1891	1354	57.13	3	29	56C	P7573027.B1
29	1.04	2086	1050	60.90	2	23	56C	P7472019.B1
29	1.33	2086	1367	60.90	2	28	56C	P7572038.B1
26	1.08	2254	1075	66.22	3	24	56C	P7473006.B1
26	1.52	2254	1398	66.22	3	29	56C	P7573028.B1
25	1.01	2345	1079	71.01	3	24	56C	P7473007.B1
25	1.42	2345	1398	71.01	3	29	56C	P7573029.B1
23	1.31	2548	1414	76.69	3	29	56C	P7573030.B1
21	1.22	2791	1422	82.30	3	29	56C	P7573031.B1
21	1.20	2791	1422	83.59	3	29	56C	P7573032.B1
19	1.09	3085	1430	92.78	3	29	56C	P7573033.B1
17	0.96	3448	1454	104.68	3	29	56C	P7573034.B1

- ◆ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

QUICK REFERENCE
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OUTPUT FLANGE SELECTIONS 53
INTERCHANGE BASE SELECTIONS 54



QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



1 HP Gear+Motor™ Quick Selections											
TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 90V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V		Explosion-Proof, 1 Phase 115/230V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7273001.B1-110048	40	P7273001.B1-110058	44	P7273001.B1-108022	52	P7273001.B1-108023	52	P7273001.B1-111926	58	P7273001.B1-110852	65
P7473001.B1-110048	52	P7473001.B1-110058	56	P7473001.B1-108022	64	P7473001.B1-108023	64	P7473001.B1-111926	70	P7473001.B1-110852	77
P7573023.B1-110048	57	P7573023.B1-110058	61	P7573023.B1-108022	69	P7573023.B1-108023	69	P7573023.B1-111926	75	P7573023.B1-110852	82
P7472015.B1-110048	51	P7472015.B1-110058	55	P7472015.B1-108022	63	P7472015.B1-108023	63	P7472015.B1-111926	69	P7472015.B1-110852	76
P7572034.B1-110048	56	P7572034.B1-110058	60	P7572034.B1-108022	68	P7572034.B1-108023	68	P7572034.B1-111926	74	P7572034.B1-110852	81
P7473002.B1-110048	52	P7473002.B1-110058	56	P7473002.B1-108022	64	P7473002.B1-108023	64	P7473002.B1-111926	70	P7473002.B1-110852	77
P7573024.B1-110048	57	P7573024.B1-110058	61	P7573024.B1-108022	69	P7573024.B1-108023	69	P7573024.B1-111926	75	P7573024.B1-110852	82
P7472016.B1-110048	51	P7472016.B1-110058	55	P7472016.B1-108022	63	P7472016.B1-108023	63	P7472016.B1-111926	69	P7472016.B1-110852	76
P7572035.B1-110048	56	P7572035.B1-110058	60	P7572035.B1-108022	68	P7572035.B1-108023	68	P7572035.B1-111926	74	P7572035.B1-110852	81
P7472017.B1-110048	51	P7472017.B1-110058	55	P7472017.B1-108022	63	P7472017.B1-108023	63	P7472017.B1-111926	69	P7472017.B1-110852	76
P7572036.B1-110048	56	P7572036.B1-110058	60	P7572036.B1-108022	68	P7572036.B1-108023	68	P7572036.B1-111926	74	P7572036.B1-110852	81
P7473003.B1-110048	52	P7473003.B1-110058	56	P7473003.B1-108022	64	P7473003.B1-108023	64	P7473003.B1-111926	70	P7473003.B1-110852	77
P7573025.B1-110048	57	P7573025.B1-110058	61	P7573025.B1-108022	69	P7573025.B1-108023	69	P7573025.B1-111926	75	P7573025.B1-110852	82
P7472018.B1-110048	51	P7472018.B1-110058	55	P7472018.B1-108022	63	P7472018.B1-108023	63	P7472018.B1-111926	69	P7472018.B1-110852	76
P7572037.B1-110048	56	P7572037.B1-110058	60	P7572037.B1-108022	68	P7572037.B1-108023	68	P7572037.B1-111926	74	P7572037.B1-110852	81
P7473004.B1-110048	52	P7473004.B1-110058	56	P7473004.B1-108022	64	P7473004.B1-108023	64	P7473004.B1-111926	70	P7473004.B1-110852	77
P7573026.B1-110048	57	P7573026.B1-110058	61	P7573026.B1-108022	69	P7573026.B1-108023	69	P7573026.B1-111926	75	P7573026.B1-110852	82
P7473005.B1-110048	52	P7473005.B1-110058	56	P7473005.B1-108022	64	P7473005.B1-108023	64	P7473005.B1-111926	70	P7473005.B1-110852	77
P7573027.B1-110048	57	P7573027.B1-110058	61	P7573027.B1-108022	69	P7573027.B1-108023	69	P7573027.B1-111926	75	P7573027.B1-110852	82
P7472019.B1-110048	51	P7472019.B1-110058	55	P7472019.B1-108022	63	P7472019.B1-108023	63	P7472019.B1-111926	69	P7472019.B1-110852	76
P7572038.B1-110048	56	P7572038.B1-110058	60	P7572038.B1-108022	68	P7572038.B1-108023	68	P7572038.B1-111926	74	P7572038.B1-110852	81
P7473006.B1-110048	52	P7473006.B1-110058	56	P7473006.B1-108022	64	P7473006.B1-108023	64	P7473006.B1-111926	70	P7473006.B1-110852	77
P7573028.B1-110048	57	P7573028.B1-110058	61	P7573028.B1-108022	69	P7573028.B1-108023	69	P7573028.B1-111926	75	P7573028.B1-110852	82
P7473007.B1-110048	52	P7473007.B1-110058	56	P7473007.B1-108022	64	P7473007.B1-108023	64	P7473007.B1-111926	70	P7473007.B1-110852	77
P7573029.B1-110048	57	P7573029.B1-110058	61	P7573029.B1-108022	69	P7573029.B1-108023	69	P7573029.B1-111926	75	P7573029.B1-110852	82
P7573030.B1-110048	57	P7573030.B1-110058	61	P7573030.B1-108022	69	P7573030.B1-108023	69	P7573030.B1-111926	75	P7573030.B1-110852	82
P7573031.B1-110048	57	P7573031.B1-110058	61	P7573031.B1-108022	69	P7573031.B1-108023	69	P7573031.B1-111926	75	P7573031.B1-110852	82
P7573032.B1-110048	57	P7573032.B1-110058	61	P7573032.B1-108022	69	P7573032.B1-108023	69	P7573032.B1-111926	75	P7573032.B1-110852	82
P7573033.B1-110048	57	P7573033.B1-110058	61	P7573033.B1-108022	69	P7573033.B1-108023	69	P7573033.B1-111926	75	P7573033.B1-110852	82
P7573034.B1-110048	57	P7573034.B1-110058	61	P7573034.B1-108022	69	P7573034.B1-108023	69	P7573034.B1-111926	75	P7573034.B1-110852	82

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1 1/2 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ◆ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
503	3.34	180	204	3.48	2	11	143-5TC	P7172023.B1
405	2.69	224	216	4.32	2	11	143-5TC	P7172024.B1
405	3.46	224	289	4.32	2	11	143-5TC	P7272024.B1
318	2.11	285	230	5.50	2	11	143-5TC	P7172025.B1
318	3.11	285	350	5.50	2	11	143-5TC	P7272025.B1
275	1.82	330	250	6.36	2	11	56C	P7172004.B1
275	2.88	330	376	6.36	2	11	143-5TC	P7272026.B1
241	1.60	377	260	7.26	2	11	56C	P7172005.B1
241	2.83	377	391	7.26	2	11	143-5TC	P7272027.B1
222	1.47	409	266	7.89	2	11	56C	P7172006.B1
222	2.47	409	400	7.89	2	11	143-5TC	P7272028.B1
220	5.82	413	579	7.96	2	23	143-5TC	P7472026.B1
185	5.11	491	615	9.45	2	23	143-5TC	P7472027.B1
174	1.53	522	284	10.04	2	11	56C	P7172008.B1
174	2.28	522	420	10.04	2	11	143-5TC	P7272030.B1
153	4.39	593	658	11.43	2	23	143-5TC	P7472028.B1
150	1.32	605	293	11.64	2	11	56C	P7172009.B1
150	1.97	605	445	11.64	2	11	56C	P7272009.B1
132	1.16	688	305	13.26	2	11	56C	P7172010.B1
132	1.73	688	476	13.26	2	11	56C	P7272010.B1
123	3.12	738	693	14.21	2	23	143-5TC	P7472029.B1
114	1.00	796	321	15.37	2	11	56C	P7172011.B1
114	1.49	796	508	15.37	2	11	56C	P7272011.B1
108	1.35	856	520	16.20	2	11	56C	P7272012.B1
105	2.91	864	711	16.62	2	23	143-5TC	P7472030.B1

- ◆ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer.
Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

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INTERCHANGE BASE SELECTIONS	54



QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers &
GEAR+MOTORS™



1 1/2 HP Gear+Motor™ Quick Selections							
TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V	
Catalog No.	Wgt.◆ (lbs.)	Catalog No.	Wgt.◆ (lbs.)	Catalog No.	Wgt.◆ (lbs.)	Catalog No.	Wgt.◆ (lbs.)
P7172023.B1-120037	46	P7172023.B1-120017	60	P7172023.B1-108262**	62	56C Available Only	—
P7172024.B1-120037	46	P7172024.B1-120017	60	P7172024.B1-108262**	62	56C Available Only	—
P7272024.B1-120037	46	P7272024.B1-120017	60	P7272024.B1-108262**	62	56C Available Only	—
P7172025.B1-120037	46	P7172025.B1-120017	60	P7172025.B1-108262**	62	56C Available Only	—
P7272025.B1-120037	46	P7272025.B1-120017	60	P7272025.B1-108262**	62	56C Available Only	—
P7172004.B1-110125	44	P7172004.B1-110420	50	P7172004.B1-108092	62	P7172004.B1-111941	63
P7272026.B1-120037	46	P7272026.B1-120017	60	P7272026.B1-108262**	62	56C Available Only	—
P7172005.B1-110125	44	P7172005.B1-110420	50	P7172005.B1-108092	62	P7172005.B1-111941	63
P7272027.B1-120037	46	P7272027.B1-120017	60	P7272027.B1-108262**	62	56C Available Only	—
P7172006.B1-110125	44	P7172006.B1-110420	50	P7172006.B1-108092	62	P7172006.B1-111941	63
P7272028.B1-120037	46	P7272028.B1-120017	60	P7272028.B1-108262**	62	56C Available Only	—
P7472026.B1-120037	58	P7472026.B1-120017	72	P7472026.B1-108262**	74	56C Available Only	—
P7472027.B1-120037	58	P7472027.B1-120017	72	P7472027.B1-108262**	74	56C Available Only	—
P7172008.B1-110125	44	P7172008.B1-110420	50	P7172008.B1-108092	62	P7172008.B1-111941	63
P7272030.B1-120037	46	P7272030.B1-120017	60	P7272030.B1-108262**	62	56C Available Only	—
P7472028.B1-120037	58	P7472028.B1-120017	72	P7472028.B1-108262**	74	56C Available Only	—
P7172009.B1-110125	44	P7172009.B1-110420	50	P7172009.B1-108092	62	P7172009.B1-111941	63
P7272009.B1-110125	44	P7272009.B1-110420	50	P7272009.B1-108092	62	P7272009.B1-111941	63
P7172010.B1-110125	44	P7172010.B1-110420	50	P7172010.B1-108092	62	P7172010.B1-111941	63
P7272010.B1-110125	44	P7272010.B1-110420	50	P7272010.B1-108092	62	P7272010.B1-111941	63
P7472029.B1-120037	58	P7472029.B1-120017	72	P7472029.B1-108262**	74	56C Available Only	—
P7172011.B1-110125	44	P7172011.B1-110420	50	P7172011.B1-108092	62	P7172011.B1-111941	63
P7272011.B1-110125	44	P7272011.B1-110420	50	P7272011.B1-108092	62	P7272011.B1-111941	63
P7272012.B1-110125	44	P7272012.B1-110420	50	P7272012.B1-108092	62	P7272012.B1-111941	63
P7472030.B1-120037	58	P7472030.B1-120017	72	P7472030.B1-108262**	74	56C Available Only	—

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

**NEMA 145TC frame shaft 7/8" x 2 1/4" and NEMA 56C removable base.

TABLE CONTINUES ON NEXT PAGE

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



1 1/2 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ♦ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
93	1.17	986	535	18.80	2	11	56C	P7272013.B1
87	2.40	1043	780	20.10	2	23	143-5TC	P7472031.B1
87	3.65	1043	900	20.10	2	28	143-5TC	P7572069.B1
81	1.07	1120	562	21.54	2	11	56C	P7272014.B1
70	1.77	1297	877	24.98	2	23	143-5TC	P7472032.B1
70	2.93	1297	944	24.98	2	28	143-5TC	P7572070.B1
60	1.65	1513	900	29.41	2	23	56C	P7472014.B1
60	1.97	1513	1012	29.41	2	28	143-5TC	P7572071.B1
52	1.40	1691	918	34.01	3	24	56C	P7473001.B1
52	1.97	1691	1060	34.01	3	29	143-5TC	P7573067.B1
49	1.35	1852	922	35.58	2	23	56C	P7472015.B1
49	1.62	1852	1079	35.58	2	28	56C	P7572034.B1
44	1.20	1998	988	39.79	3	24	56C	P7473002.B1
44	1.69	1998	1192	39.79	3	29	56C	P7573024.B1
43	1.15	2111	988	40.50	2	23	56C	P7472016.B1
43	1.22	2111	1192	40.50	2	28	56C	P7572035.B1
40	1.00	2269	1012	44.23	2	23	56C	P7472017.B1
40	1.22	2269	1304	44.23	2	28	56C	P7572036.B1
37	1.01	2376	1028	47.22	3	24	56C	P7473003.B1
37	1.42	2376	1330	47.22	3	29	56C	P7573025.B1
36	1.09	2521	1330	49.00	2	28	56C	P7572037.B1
32	1.23	2747	1354	54.73	3	29	56C	P7573026.B1
31	1.17	2836	1354	57.13	3	29	56C	P7573027.B1
26	1.01	3382	1398	66.22	3	29	56C	P7573028.B1

- ♦ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

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QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



1 1/2 HP Gear+Motor™ Quick Selections							
TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7272013.B1-110125	44	P7272013.B1-110420	50	P7272013.B1-108092	62	P7272013.B1-111941	63
P7472031.B1-120037	58	P7472031.B1-120017	72	P7472031.B1-108262**	74	56C Available Only	—
P7572069.B1-120037	63	P7572069.B1-120017	77	P7572069.B1-108262**	79	56C Available Only	—
P7272014.B1-110125	44	P7272014.B1-110420	50	P7272014.B1-108092	62	P7272014.B1-111941	63
P7472032.B1-120037	58	P7472032.B1-120017	72	P7472032.B1-108262**	74	56C Available Only	—
P7572070.B1-120037	63	P7572070.B1-120017	77	P7572070.B1-108262**	79	56C Available Only	—
P7472014.B1-110125	56	P7472014.B1-110420	62	P7472014.B1-108092	74	P7472014.B1-111941	75
P7572071.B1-120037	63	P7572071.B1-120017	77	P7572071.B1-108262**	79	56C Available Only	—
P7473001.B1-110125	57	P7473001.B1-110420	63	P7473001.B1-108092	75	P7473001.B1-111941	76
P7573067.B1-120037	64	P7573067.B1-120017	78	P7573067.B1-108262**	80	56C Available Only	—
P7472015.B1-110125	56	P7472015.B1-110420	62	P7472015.B1-108092	74	P7472015.B1-111941	75
P7572034.B1-110125	61	P7572034.B1-110420	67	P7572034.B1-108092	79	P7572034.B1-111941	80
P7473002.B1-110125	57	P7473002.B1-110420	63	P7473002.B1-108092	75	P7473002.B1-111941	76
P7573024.B1-110125	62	P7573024.B1-110420	68	P7573024.B1-108092	80	P7573024.B1-111941	81
P7472016.B1-110125	56	P7472016.B1-110420	62	P7472016.B1-108092	74	P7472016.B1-111941	75
P7572035.B1-110125	61	P7572035.B1-110420	67	P7572035.B1-108092	79	P7572035.B1-111941	80
P7472017.B1-110125	56	P7472017.B1-110420	62	P7472017.B1-108092	74	P7472017.B1-111941	75
P7572036.B1-110125	61	P7572036.B1-110420	67	P7572036.B1-108092	79	P7572036.B1-111941	80
P7473003.B1-110125	57	P7473003.B1-110420	63	P7473003.B1-108092	75	P7473003.B1-111941	76
P7573025.B1-110125	62	P7573025.B1-110420	68	P7573025.B1-108092	80	P7573025.B1-111941	81
P7572037.B1-110125	61	P7572037.B1-110420	67	P7572037.B1-108092	79	P7572037.B1-111941	80
P7573026.B1-110125	62	P7573026.B1-110420	68	P7573026.B1-108092	80	P7573026.B1-111941	81
P7573027.B1-110125	62	P7573027.B1-110420	68	P7573027.B1-108092	80	P7573027.B1-111941	81
P7573028.B1-110125	62	P7573028.B1-110420	68	P7573028.B1-108092	80	P7573028.B1-111941	81

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

**NEMA 145TC frame shaft 7/8" x 2 1/4" and NEMA 56C removable base.

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



2 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ◆ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
503	2.50	241	204	3.48	2	11	143-5TC	P7172023.B1
503	2.94	241	268	3.48	2	11	143-5TC	P7272023.B1
405	2.01	299	216	4.32	2	11	143-5TC	P7172024.B1
405	2.60	299	289	4.32	2	11	143-5TC	P7272024.B1
318	1.58	381	230	5.50	2	11	143-5TC	P7172025.B1
318	2.34	381	350	5.50	2	11	143-5TC	P7272025.B1
288	5.25	420	522	6.07	2	23	143-5TC	P7472023.B1
275	1.37	440	250	6.36	2	11	143-5TC	P7172026.B1
275	2.16	440	376	6.36	2	11	143-5TC	P7272026.B1
257	5.11	471	540	6.81	2	23	143-5TC	P7472024.B1
241	1.20	502	260	7.26	2	11	143-5TC	P7172027.B1
241	2.12	502	391	7.26	2	11	143-5TC	P7272027.B1
222	1.10	545	266	7.89	2	11	143-5TC	P7172028.B1
222	1.85	545	400	7.89	2	11	143-5TC	P7272028.B1
220	4.37	550	579	7.96	2	23	143-5TC	P7472026.B1
185	3.83	654	615	9.45	2	23	143-5TC	P7472027.B1
174	1.15	695	284	10.04	2	11	143-5TC	P7172030.B1
174	1.71	695	420	10.04	2	11	143-5TC	P7272030.B1
153	3.29	791	658	11.43	2	23	143-5TC	P7472028.B1
150	0.99	807	293	11.64	2	11	143-5TC	P7172031.B1
150	1.47	807	445	11.64	2	11	143-5TC	P7272031.B1
132	1.30	917	476	13.26	2	11	143-5TC	P7272032.B1
123	2.34	984	693	14.21	2	23	143-5TC	P7472029.B1
123	3.87	984	850	14.21	2	28	143-5TC	P7572067.B1
114	1.12	1061	508	15.37	2	11	143-5TC	P7272033.B1
108	1.02	1142	520	16.20	2	11	143-5TC	P7272034.B1
105	2.18	1152	711	16.62	2	23	143-5TC	P7472030.B1
105	3.31	1152	872	16.62	2	28	143-5TC	P7572068.B1
87	1.80	1391	780	20.10	2	23	143-5TC	P7472031.B1
87	2.74	1391	900	20.10	2	28	143-5TC	P7572069.B1
70	1.33	1729	877	24.98	2	23	143-5TC	P7472032.B1
70	2.20	1729	944	24.98	2	28	143-5TC	P7572070.B1
60	1.24	2017	900	29.41	2	23	143-5TC	P7472033.B1
60	1.48	2017	1012	29.41	2	28	143-5TC	P7572071.B1
52	1.05	2254	918	34.01	3	24	143-5TC	P7473023.B1
52	1.48	2254	1060	34.01	3	29	143-5TC	P7573067.B1
49	1.01	2470	922	35.58	2	23	143-5TC	P7472034.B1
49	1.21	2470	1079	35.58	2	28	143-5TC	P7572072.B1
44	1.27	2664	1192	39.79	3	29	143-5TC	P7573068.B1
37	1.07	3168	1330	47.22	3	29	143-5TC	P7573069.B1

- ◆ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

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QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



2 HP Gear+Motor™ Quick Selections							
TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7172023.B1-120038	47	P7172023.B1-120060	58	P7172023.B1-128010	89	P7172023.B1-121178	70
P7272023.B1-120038	47	P7272023.B1-120060	58	P7272023.B1-128010	89	P7272023.B1-121178	70
P7172024.B1-120038	47	P7172024.B1-120060	58	P7172024.B1-128010	89	P7172024.B1-121178	70
P7272024.B1-120038	47	P7272024.B1-120060	58	P7272024.B1-128010	89	P7272024.B1-121178	70
P7172025.B1-120038	47	P7172025.B1-120060	58	P7172025.B1-128010	89	P7172025.B1-121178	70
P7272025.B1-120038	47	P7272025.B1-120060	58	P7272025.B1-128010	89	P7272025.B1-121178	70
P7472023.B1-120038	59	P7472023.B1-120060	70	P7472023.B1-128010	101	P7472023.B1-121178	82
P7172026.B1-120038	47	P7172026.B1-120060	58	P7172026.B1-128010	89	P7172026.B1-121178	70
P7272026.B1-120038	47	P7272026.B1-120060	58	P7272026.B1-128010	89	P7272026.B1-121178	70
P7472024.B1-120038	59	P7472024.B1-120060	70	P7472024.B1-128010	101	P7472024.B1-121178	82
P7172027.B1-120038	47	P7172027.B1-120060	58	P7172027.B1-128010	89	P7172027.B1-121178	70
P7272027.B1-120038	47	P7272027.B1-120060	58	P7272027.B1-128010	89	P7272027.B1-121178	70
P7172028.B1-120038	47	P7172028.B1-120060	58	P7172028.B1-128010	89	P7172028.B1-121178	70
P7272028.B1-120038	47	P7272028.B1-120060	58	P7272028.B1-128010	89	P7272028.B1-121178	70
P7472026.B1-120038	59	P7472026.B1-120060	70	P7472026.B1-128010	101	P7472026.B1-121178	82
P7472027.B1-120038	59	P7472027.B1-120060	70	P7472027.B1-128010	101	P7472027.B1-121178	82
P7172030.B1-120038	47	P7172030.B1-120060	58	P7172030.B1-128010	89	P7172030.B1-121178	70
P7272030.B1-120038	47	P7272030.B1-120060	58	P7272030.B1-128010	89	P7272030.B1-121178	70
P7472028.B1-120038	59	P7472028.B1-120060	70	P7472028.B1-128010	101	P7472028.B1-121178	82
P7172031.B1-120038	47	P7172031.B1-120060	58	P7172031.B1-128010	89	P7172031.B1-121178	70
P7272031.B1-120038	47	P7272031.B1-120060	58	P7272031.B1-128010	89	P7272031.B1-121178	70
P7272032.B1-120038	47	P7272032.B1-120060	58	P7272032.B1-128010	89	P7272032.B1-121178	70
P7472029.B1-120038	59	P7472029.B1-120060	70	P7472029.B1-128010	101	P7472029.B1-121178	82
P7572067.B1-120038	64	P7572067.B1-120060	75	P7572067.B1-128010	106	P7572067.B1-121178	87
P7272033.B1-120038	47	P7272033.B1-120060	58	P7272033.B1-128010	89	P7272033.B1-121178	70
P7272034.B1-120038	47	P7272034.B1-120060	58	P7272034.B1-128010	89	P7272034.B1-121178	70
P7472030.B1-120038	59	P7472030.B1-120060	70	P7472030.B1-128010	101	P7472030.B1-121178	82
P7572068.B1-120038	64	P7572068.B1-120060	75	P7572068.B1-128010	106	P7572068.B1-121178	87
P7472031.B1-120038	59	P7472031.B1-120060	70	P7472031.B1-128010	101	P7472031.B1-121178	82
P7572069.B1-120038	64	P7572069.B1-120060	75	P7572069.B1-128010	106	P7572069.B1-121178	87
P7472032.B1-120038	59	P7472032.B1-120060	70	P7472032.B1-128010	101	P7472032.B1-121178	82
P7572070.B1-120038	64	P7572070.B1-120060	75	P7572070.B1-128010	106	P7572070.B1-121178	87
P7472033.B1-120038	59	P7472033.B1-120060	70	P7472033.B1-128010	101	P7472033.B1-121178	82
P7572071.B1-120038	64	P7572071.B1-120060	75	P7572071.B1-128010	106	P7572071.B1-121178	87
P7473023.B1-120038	60	P7473023.B1-120060	71	P7473023.B1-128010	102	P7473023.B1-121178	83
P7573067.B1-120038	65	P7573067.B1-120060	76	P7573067.B1-128010	107	P7573067.B1-121178	88
P7472034.B1-120038	59	P7472034.B1-120060	70	P7472034.B1-128010	101	P7472034.B1-121178	82
P7572072.B1-120038	64	P7572072.B1-120060	75	P7572072.B1-128010	106	P7572072.B1-121178	87
P7573068.B1-120038	65	P7573068.B1-120060	76	P7573068.B1-128010	107	P7573068.B1-121178	88
P7573069.B1-120038	65	P7573069.B1-120060	76	P7573069.B1-128010	107	P7573069.B1-121178	88

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



3 HP Gear Reducer Quick Selections								
Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung Load (lbs.) ●	Ratio	Number of Reductions	Weight ♦ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
503	1.67	361	204	3.48	2	11	143-5TC	P7172023.B1
503	1.96	361	268	3.48	2	11	143-5TC	P7272023.B1
485	3.93	374	450	3.61	2	25	182-4TC	P7472039.B1
414	4.09	438	474	4.23	2	25	182-4TC	P7472040.B1
405	1.34	448	216	4.32	2	11	143-5TC	P7172024.B1
405	1.73	448	289	4.32	2	11	143-5TC	P7272024.B1
349	4.23	520	491	5.01	2	25	182-4TC	P7472041.B1
318	1.56	571	350	5.50	2	11	143-5TC	P7272025.B1
289	3.50	628	522	6.07	2	25	182-4TC	P7472042.B1
275	1.44	660	376	6.36	2	11	143-5TC	P7272026.B1
257	3.41	706	540	6.81	2	25	182-4TC	P7472043.B1
257	4.05	706	646	6.81	2	30	182-4TC	P7572100.B1
241	1.41	753	391	7.26	2	11	143-5TC	P7272027.B1
222	1.23	818	400	7.89	2	11	143-5TC	P7272028.B1
220	2.91	825	579	7.96	2	25	182-4TC	P7472045.B1
220	3.85	825	663	7.96	2	30	182-4TC	P7572102.B1
185	2.55	981	615	9.45	2	25	182-4TC	P7472046.B1
185	3.06	981	674	9.45	2	30	182-4TC	P7572103.B1
174	1.14	1043	420	10.04	2	11	143-5TC	P7272030.B1
153	2.19	1186	658	11.43	2	25	182-4TC	P7472047.B1
153	2.90	1186	778	11.43	2	30	182-4TC	P7572104.B1
123	1.56	1476	693	14.21	2	25	182-4TC	P7472048.B1
123	2.58	1476	850	14.21	2	30	182-4TC	P7572105.B1
105	1.45	1729	711	16.62	2	25	182-4TC	P7472049.B1
105	2.20	1729	872	16.62	2	30	182-4TC	P7572106.B1
87	1.20	2086	780	20.10	2	23	143-5TC	P7472031.B1
87	1.82	2086	900	20.10	2	30	182-4TC	P7572107.B1
70	1.47	2593	944	24.98	2	28	143-5TC	P7572070.B1
60	0.98	3025	1012	29.41	2	28	143-5TC	P7572071.B1
52	0.99	3382	1060	34.01	3	29	143-5TC	P7573067.B1

- ♦ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

QUICK REFERENCE
OTHER REDUCER CONFIGURATIONS Page 38
OUTPUT FLANGE SELECTIONS 53
INTERCHANGE BASE SELECTIONS 54



QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers & GEAR+MOTORS™



TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		DC SCR 180V		Explosion-Proof, 3 Phase 230/460V	
Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)	Catalog No.	Wgt.♦ (lbs.)
P7172023.B1-121035	58	Available in 182-4TC Only	—	P7172023.B1-108502**	100	Available in 182-4TC Only	—
P7272023.B1-121035	58	Available in 182-4TC Only	—	P7272023.B1-108502**	100	Available in 182-4TC Only	—
P7472039.B1-131491	85	P7472039.B1-131545	122	Available in 143-5TC Only	—	P7472039.B1-158003	116
P7472040.B1-131491	85	P7472040.B1-131545	122	Available in 143-5TC Only	—	P7472040.B1-158003	116
P7172024.B1-121035	58	Available in 182-4TC Only	—	P7172024.B1-108502**	100	Available in 182-4TC Only	—
P7272024.B1-121035	58	Available in 182-4TC Only	—	P7272024.B1-108502**	100	Available in 182-4TC Only	—
P7472041.B1-131491	85	P7472041.B1-131545	122	Available in 143-5TC Only	—	P7472041.B1-158003	116
P7272025.B1-121035	58	Available in 182-4TC Only	—	P7272025.B1-108502**	100	Available in 182-4TC Only	—
P7472042.B1-131491	85	P7472042.B1-131545	122	Available in 143-5TC Only	—	P7472042.B1-158003	116
P7272026.B1-121035	58	Available in 182-4TC Only	—	P7272026.B1-108502**	100	Available in 182-4TC Only	—
P7472043.B1-131491	85	P7472043.B1-131545	122	Available in 143-5TC Only	—	P7472043.B1-158003	116
P7572100.B1-131491	90	P7572100.B1-131545	127	Available in 143-5TC Only	—	P7572100.B1-158003	121
P7272027.B1-121035	58	Available in 182-4TC Only	—	P7272027.B1-108502**	100	Available in 182-4TC Only	—
P7472044.B1-131491	85	P7472044.B1-131545	122	Available in 143-5TC Only	—	P7472044.B1-158003	116
P7272028.B1-121035	58	Available in 182-4TC Only	—	P7272028.B1-108502**	100	Available in 182-4TC Only	—
P7472045.B1-131491	85	P7472045.B1-131545	122	Available in 143-5TC Only	—	P7472045.B1-158003	116
P7572102.B1-131491	90	P7572102.B1-131545	127	Available in 143-5TC Only	—	P7572102.B1-158003	121
P7272029.B1-121035	58	Available in 182-4TC Only	—	P7272029.B1-108502**	100	Available in 182-4TC Only	—
P7472046.B1-131491	85	P7472046.B1-131545	122	Available in 143-5TC Only	—	P7472046.B1-158003	116
P7572103.B1-131491	90	P7572103.B1-131545	127	Available in 143-5TC Only	—	P7572103.B1-158003	121
P7272030.B1-121035	58	Available in 182-4TC Only	—	P7272030.B1-108502**	100	Available in 182-4TC Only	—
P7472047.B1-131491	85	P7472047.B1-131545	122	Available in 143-5TC Only	—	P7472047.B1-158003	116
P7572104.B1-131491	90	P7572104.B1-131545	127	Available in 143-5TC Only	—	P7572104.B1-158003	121
P7472048.B1-131491	85	P7472048.B1-131545	122	Available in 143-5TC Only	—	P7472048.B1-158003	116
P7572105.B1-131491	90	P7572105.B1-131545	127	Available in 143-5TC Only	—	P7572105.B1-158003	121
P7472049.B1-131491	85	P7472049.B1-131545	122	Available in 143-5TC Only	—	P7472049.B1-158003	116
P7572106.B1-131491	90	P7572106.B1-131545	127	Available in 143-5TC Only	—	P7572106.B1-158003	121
P7472031.B1-121035	70	Available in 182-4TC Only	—	P7472031.B1-108502**	112	Available in 182-4TC Only	—
P7572107.B1-131491	90	P7572107.B1-131545	127	Available in 143-5TC Only	—	P7572107.B1-158003	121
P7572070.B1-121035	75	Available in 182-4TC Only	—	P7572070.B1-108502**	117	Available in 182-4TC Only	—
P7572071.B1-121035	75	Available in 182-4TC Only	—	P7572071.B1-108502**	117	Available in 182-4TC Only	—
P7573067.B1-121035	76	Available in 182-4TC Only	—	P7573067.B1-108502**	118	Available in 182-4TC Only	—

Gear+Motor™ catalog numbers are comprised of the reducer catalog number followed by the motor catalog number.

** NEMA 145TC face mounting with removable NEMA 182T rigid base.

IN THIS CATALOG

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 60

**700 Series
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**

This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



5 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor ▼	Output Torque (lb-in)	Overhung ● Load (lbs.)	Ratio	Number of Reductions	Weight ◆ (lbs.)	Motor Frame	Motorized B1 Base Mount Catalog No.
485	2.36	624	450	3.61	2	25	182-4TC	P7472039.B1
414	2.45	731	474	4.23	2	25	182-4TC	P7472040.B1
349	2.54	867	491	5.01	2	25	182-4TC	P7472041.B1
349	2.65	867	603	5.01	2	30	182-4TC	P7572098.B1
289	2.10	1047	522	6.07	2	25	182-4TC	P7472042.B1
289	2.65	1047	629	6.07	2	30	182-4TC	P7572099.B1
257	2.04	1177	540	6.81	2	25	182-4TC	P7472043.B1
257	2.43	1177	646	6.81	2	30	182-4TC	P7572100.B1
220	1.75	1375	579	7.96	2	25	182-4TC	P7472045.B1
220	2.31	1375	663	7.96	2	30	182-4TC	P7572102.B1
185	1.53	1635	615	9.45	2	25	182-4TC	P7472046.B1
185	1.84	1635	674	9.45	2	30	182-4TC	P7572103.B1
153	1.32	1977	658	11.43	2	25	182-4TC	P7472047.B1
153	1.74	1977	778	11.43	2	30	182-4TC	P7572104.B1
123	1.55	2460	850	14.21	2	30	182-4TC	P7572105.B1
105	1.32	2881	872	16.62	2	30	182-4TC	P7572106.B1
87	1.09	3477	900	20.10	2	30	182-4TC	P7572107.B1

7½ HP Gear Reducer Quick Selections

485	1.57	936	450	3.61	2	25	182-4TC	P7472039.B1
485	1.76	936	534	3.61	2	30	182-4TC	P7572096.B1
414	1.64	1096	474	4.23	2	25	182-4TC	P7472040.B1
414	1.76	1096	566	4.23	2	30	182-4TC	P7572097.B1
349	1.69	1300	491	5.01	2	25	182-4TC	P7472041.B1
349	1.76	1300	603	5.01	2	30	182-4TC	P7572098.B1
289	1.40	1570	522	6.07	2	25	182-4TC	P7472042.B1
289	1.76	1570	629	6.07	2	30	182-4TC	P7572099.B1
257	1.36	1766	540	6.81	2	25	182-4TC	P7472043.B1
257	1.62	1766	646	6.81	2	30	182-4TC	P7572100.B1
220	1.16	2063	579	7.96	2	25	182-4TC	P7472045.B1
220	1.54	2063	663	7.96	2	30	182-4TC	P7572102.B1
185	1.02	2453	615	9.45	2	25	182-4TC	P7472046.B1
185	1.22	2453	674	9.45	2	30	182-4TC	P7572103.B1
153	1.16	2966	778	11.43	2	30	182-4TC	P7572104.B1
123	1.03	3689	850	14.21	2	30	182-4TC	P7572105.B1

- ◆ Weight does not include oil.
- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Overhung load is calculated at centerline of output shaft.

QUICK REFERENCE

OTHER REDUCER CONFIGURATIONS	Page 38
OUTPUT FLANGE SELECTIONS	53
INTERCHANGE BASE SELECTIONS	54



QUICK SELECTIONS
DOUBLE AND TRIPLE REDUCTION



LeCentric™ Gear Reducers &
GEAR+MOTORS™



5 HP Gear+Motor™ Quick Selections					
TEFC, 3 Phase 230/460V		TEFC, 1 Phase 115/230V		Explosion-Proof, 3 Phase 230/460V	
Catalog No.	Wgt. ♦ (lbs.)	Catalog No.	Wgt. ♦ (lbs.)	Catalog No.	Wgt. ♦ (lbs.)
P7472039.B1-131492	97	P7472039.B1-131540	137	P7472039.B1-158005	150
P7472040.B1-131492	97	P7472040.B1-131540	137	P7472040.B1-158005	150
P7472041.B1-131492	97	P7472041.B1-131540	137	P7472041.B1-158005	150
P7572098.B1-131492	102	P7572098.B1-131540	142	P7572098.B1-158005	155
P7472042.B1-131492	97	P7472042.B1-131540	137	P7472042.B1-158005	150
P7572099.B1-131492	102	P7572099.B1-131540	142	P7572099.B1-158005	155
P7472043.B1-131492	97	P7472043.B1-131540	137	P7472043.B1-158005	150
P7572100.B1-131492	102	P7572100.B1-131540	142	P7572100.B1-158005	155
P7472045.B1-131492	97	P7472045.B1-131540	137	P7472045.B1-158005	150
P7572102.B1-131492	102	P7572102.B1-131540	142	P7572102.B1-158005	155
P7472046.B1-131492	97	P7472046.B1-131540	137	P7472046.B1-158005	150
P7572103.B1-131492	102	P7572103.B1-131540	142	P7572103.B1-158005	155
P7472047.B1-131492	97	P7472047.B1-131540	137	P7472047.B1-158005	150
P7572104.B1-131492	102	P7572104.B1-131540	142	P7572104.B1-158005	155
P7572105.B1-131492	102	P7572105.B1-131540	142	P7572105.B1-158005	155
P7572106.B1-131492	102	P7572106.B1-131540	142	P7572106.B1-158005	155
P7572107.B1-131492	102	P7572107.B1-131540	142	P7572107.B1-158005	155
7 1/2 HP Gear+Motor™ Quick Selections					
P7472039.B1-131606	135	—	—	—	—
P7572096.B1-131606	140	—	—	—	—
P7472040.B1-131606	135	—	—	—	—
P7572097.B1-131606	140	—	—	—	—
P7472041.B1-131606	135	—	—	—	—
P7572098.B1-131606	140	—	—	—	—
P7472042.B1-131606	135	—	—	—	—
P7572099.B1-131606	140	—	—	—	—
P7472043.B1-131606	135	—	—	—	—
P7572100.B1-131606	140	—	—	—	—
P7472045.B1-131606	135	—	—	—	—
P7572102.B1-131606	140	—	—	—	—
P7472046.B1-131606	135	—	—	—	—
P7572103.B1-131606	140	—	—	—	—
P7572104.B1-131606	140	—	—	—	—
P7572105.B1-131606	140	—	—	—	—

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SELECT REDUCER MOUNTING POSITION ON PAGE 60