

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

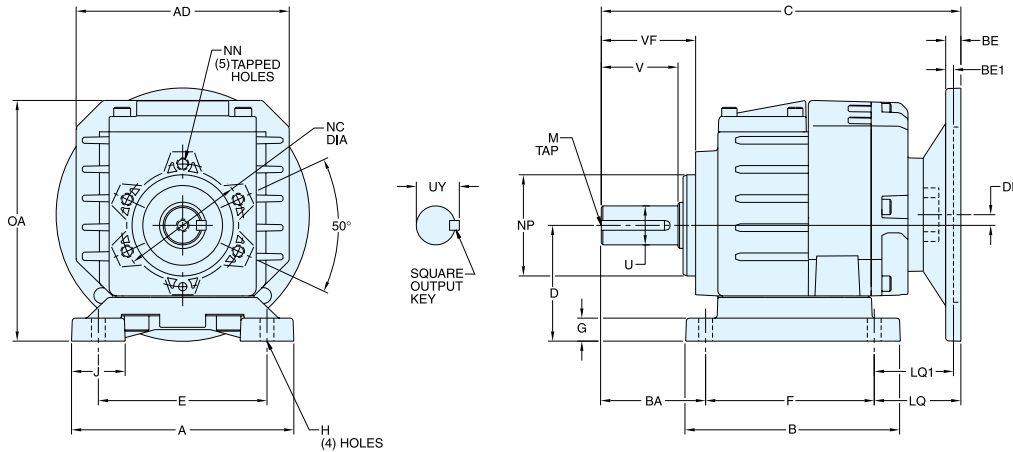
This Quick Selection is only for motorized B1 base mount reducers and Gear+Motors™. For other reducer configurations, see the Maximum Rating Tables beginning on page 40.



<b>1/4 HP Gear Reducer Quick Selections</b>								
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.

<b>QUICK REFERENCE</b>	
OTHER REDUCER CONFIGURATIONS .....	Page 38
OUTPUT FLANGE SELECTIONS .....	53
INTERCHANGE BASE SELECTIONS .....	54



**Motorized Quill Input, Double Reduction (B1 Base Mount Shown)**

Series	A	AD	B	BA	C		D	DB	E	F	G	H	J	LQ	LQ1	M	
					56/140	180										TAP	DEPTH
717	5.71	5.47	5.51	2.28	8.83	NA	2.95	0.27	4.33	4.33	0.59	0.35	1.38	2.23	NA	1/4-20	0.62
727	5.71	5.47	6.02	2.95	9.23	NA	3.54	0.27	4.33	5.12	0.79	0.35	1.38	1.16	NA	5/16-18	0.75
747	6.69	7.01	7.76	3.54	11.49	12.02	4.53	0.21	5.31	6.50	0.94	0.55	1.65	1.45	1.98	5/16-18	0.75
757	6.69	7.95	7.76	3.54	12.20	12.73	4.53	0.61	5.31	6.50	0.94	0.55	1.65	2.16	2.69	5/16-18	0.75

Series	NC	NP	NN		OA	U +0.000/ -0.001	UY	V	VF	OUTPUT KEY
			TAP	DEPTH						
717	3.15	2.60	M8	0.67	6.12	0.750	0.83	1.57	2.02	3/16 x 1.12
727	3.15	2.60	M8	0.67	6.71	1.000	1.11	1.97	2.40	1/4 x 1.62
747	4.84	4.17	M10	0.71	8.52	1.250	1.36	2.36	2.97	1/4 x 2.00
757	4.84	4.17	M10	0.71	8.58	1.250*	1.36	2.36	2.97	1/4 x 2.00

**Motorized Quill Input, Triple Reduction (B1 Base Mount Shown)**

Series	A	AD	B	BA	C	D	DB	E	F	G	H	J	LQ	M	
														TAP	DEPTH
717	5.71	5.47	5.51	2.28	9.60	2.95	0.13	4.33	4.33	0.59	0.35	1.38	2.99	1/4-20	0.62
727	5.71	5.47	6.02	2.95	10.00	3.54	0.13	4.33	5.12	0.79	0.35	1.38	1.93	5/16-18	0.75
747	6.69	7.01	7.76	3.54	11.83	4.53	0.59	5.31	6.50	0.94	0.55	1.65	1.83	5/16-18	0.75
757	6.69	7.95	7.76	3.54	12.55	4.53	0.61	5.31	6.50	0.94	0.55	1.65	2.51	5/16-18	0.75

Series	NC	NP	NN		OA	U +0.000/ -0.001	UY	V	VF	OUTPUT KEY
			TAP	DEPTH						
717	3.15	2.60	M8	0.67	6.12	0.750	0.83	1.57	2.02	3/16 x 1.12
727	3.15	2.60	M8	0.67	6.71	1.000	1.11	1.97	2.40	1/4 x 1.62
747	4.84	4.17	M10	0.71	8.52	1.250	1.36	2.36	2.97	1/4 x 2.00
757	4.84	4.17	M10	0.71	8.58	1.250*	1.36	2.36	2.97	1/4 x 2.00

\*1.375" diameter shaft is available. Contact LEESON for availability.

B1 Base Mount is shown. See pages 54 & 55 for all available interchange bases

For NEMA motor mounting dimensions see page 57