

How To Use Quick Selections

Maximum Rating Tables for Single Reduction Gear Reducers are shown on pages 70-74. 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 (see page 171).

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 66-67. Note the basic mounting style (BMQ, HMQ, etc.).

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

Style BMQ Motorized NEMA & IEC 1750 RPM

1/6 HP / 0.12 KW Gear Reducers

Output Speed (RPM)	Service Factor	Output Torque (lb-in)	Overhung Load (lbs.)	Ratio	Motor Frame		Weight (lbs.)	Style Left Hand		Weight (lbs.)	Model Number	Catalog No.
					NEMA	IEC		Model Number	Catalog No.			
250	4.77	32	135	7	—	56 B14	3	BMQ512-7-L-56B14-14	WS120025	3	HMQ512-7-H-56B14-14	WS120081
250	0.62	32	202	7	56C	♦	7	BMQ518-7-L-56-12	WS180031	6	HMQ518-7-H-56-12	WS180071
175	6.13	46	214	10	56C	♦	7	BMQ518-10-L-56-12	WS180032	6	HMQ518-10-H-56-12	WS180072
...	...	...	...	...	...	56 B14	3	BMQ512-10.6-L-56B14-14	WS120026	3	HMQ512-10.6-H-56B14-14	WS120082
...	...	...	...	...	...	♦	7	BMQ518-14-L-56-12	WS180033	6	HMQ518-14-H-56-12	WS180073
...	...	...	...	...	...	♦	7	BMQ512-18-L-56-12	WS120027	3	HMQ512-18-H-56B14-14	WS120083
...	...	...	...	...	...	♦	8	BMQ512-19-H-56B14-14	WS120028	3	HMQ512-19-H-56B14-14	WS120084
...	...	...	...	...	...	♦	6	BMQ518-21-H-56-12	WS180034	6	HMQ518-21-H-56-12	WS180074
...	...	...	...	...	...	♦	7	BMQ520-26-H-56-16	WS200035	6	HMQ520-26-H-56-16	WS200085
...	...	...	...	...	...	♦	5	BMQ518-28-H-56-12	WS180036	6	HMQ518-28-H-56-12	WS180075
58	1.86	108	214	30	—	56 B14	3	BMQ512-30-L-56B14-14	WS120029	3	HMQ512-30-H-56B14-14	WS120086
47	3.06	135	315	37	56C	♦	7	BMQ518-37-L-56-12	WS180036	6	HMQ518-37-H-56-12	WS180076
45	1.54	128	236	39	—	56 B14	3	BMQ512-39-L-56B14-14	WS120030	3	HMQ512-39-H-56B14-14	WS120087
41	3.78	169	400	43	56C	♦	9	BMQ520-43-L-56-16	WS200040	6	HMQ520-43-H-56-16	WS200090
38	2.48	157	360	46	56C	♦	7	BMQ518-46-L-56-12	WS180037	6	HMQ518-46-H-56-12	WS180077
29	2.27	195	382	60	56C	♦	7	BMQ518-60-L-56-12	WS180038	6	HMQ518-60-H-56-12	WS180078
28.7	1.06	174	270	61	—	56 B14	3	BMQ512-61-L-56B14-14	WS120031	3	HMQ512-61-H-56B14-14	WS120088
26.1	2.82	221	582	88	56C	♦	9	BMQ520-88-L-56-16	WS200042	6	HMQ520-88-H-56-16	WS200092
25.7	1.28	218	405	70	56C	♦	7	BMQ518-70-L-56-12	WS180039	6	HMQ518-70-H-56-12	WS180079
21.9	2.30	248	583	80	56C	♦	9	BMQ520-80-L-56-16	WS200043	6	HMQ520-80-H-56-16	WS200093
18.6	3.11	282	877	94	56C	♦	14	BMQ525-94-L-56-20	WS250044	12	HMQ525-94-H-56-20	WS250094
17.5	1.79	208	596	100	56C	♦	9	BMQ518-100-L-56-12	WS180040	6	HMQ518-100-H-56-12	WS180080

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 may be 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 171 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 150. 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 & model number of the basic reducer by continuing to the right. See page 68 for detailed information on building an exact model number. Catalog numbers in the quick selection tables are for units with left hand and hollow shaft extensions. Other styles can be substituted as needed.

7 Verify physical dimensions using the dimensional drawings shown on pages 84-97.

**Style BMQ & HMQ
Motorized Quill Input
NEMA & IEC Frame Selections
1750 RPM Input**



Bravo® Single Reduction Reducers

1/6 HP / 0.12 KW Gear Reducer Quick Selections												
Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load (lbs.)●	Ratio	Motor Frame		Weight (lbs.)	Style BMQ Left Hand Output		Weight (lbs.)	Style HMQ Hollow Output	
					NEMA	IEC		Model Number	Catalog No.		Model Number	Catalog No.
250	4.77	32	135	7	--	56 B14	3	BMQ512-7-L-56B14-14	W5120025	3	HMQ512-7-H-56B14-14	W5120081
250	8.62	32	202	7	56C	◆	7	BMQ518-7-L-56-12	W5180031	6	HMQ518-7-H-56-12	W5180071
175	6.13	46	214	10	56C	◆	7	BMQ518-10-L-56-12	W5180032	6	HMQ518-10-H-56-12	W5180072
165	3.19	48	146	10.6	--	56 B14	3	BMQ512-10.6-L-56B14-14	W5120026	3	HMQ512-10.6-H-56B14-14	W5120082
125	5.44	62	248	14	56C	◆	7	BMQ518-14-L-56-12	W5180033	6	HMQ518-14-H-56-12	W5180073
117	2.77	63	180	15	--	56 B14	3	BMQ512-15-L-56B14-14	W5120027	3	HMQ512-15-H-56B14-14	W5120083
92	2.41	77	180	19	--	56 B14	3	BMQ512-19-L-56B14-14	W5120028	3	HMQ512-19-H-56B14-14	W5120084
83	4.98	81	259	21	56C	◆	7	BMQ518-21-L-56-12	W5180034	6	HMQ518-21-H-56-12	W5180074
67	5.56	104	382	26	56C	◆	9	BMQ520-26-L-56-16	W5200038	7	HMQ520-26-H-56-16	W5200082
63	3.94	104	292	28	56C	◆	7	BMQ518-28-L-56-12	W5180035	6	HMQ518-28-H-56-12	W5180075
58	1.86	108	214	30	--	56 B14	3	BMQ512-30-L-56B14-14	W5120029	3	HMQ512-30-H-56B14-14	W5120085
47	3.06	135	315	37	56C	◆	7	BMQ518-37-L-56-12	W5180036	6	HMQ518-37-H-56-12	W5180076
45	1.54	128	236	39	--	56 B14	3	BMQ512-39-L-56B14-14	W5120030	3	HMQ512-39-H-56B14-14	W5120086
41	3.78	162	460	43	56C	◆	9	BMQ520-43-L-56-16	W5200040	7	HMQ520-43-H-56-16	W5200084
38	2.48	157	360	46	56C	◆	7	BMQ518-46-L-56-12	W5180037	6	HMQ518-46-H-56-12	W5180077
29	2.27	195	382	60	56C	◆	7	BMQ518-60-L-56-12	W5180038	6	HMQ518-60-H-56-12	W5180078
28.7	1.06	174	270	61	--	56 B14	3	BMQ512-61-L-56B14-14	W5120031	3	HMQ512-61-H-56B14-14	W5120087
26.1	2.62	221	562	68	56C	◆	9	BMQ520-68-L-56-16	W5200042	7	HMQ520-68-H-56-16	W5200086
25.7	1.28	218	405	70	56C	◆	7	BMQ518-70-L-56-12	W5180039	6	HMQ518-70-H-56-12	W5180079
21.9	2.30	248	583	80	56C	◆	9	BMQ520-80-L-56-16	W5200043	7	HMQ520-80-H-56-16	W5200087
18.6	3.11	282	877	94	56C	◆	14	BMQ525-94-L-56-18	W5250044	12	HMQ525-94-H-56-18	W5250121
17.5	1.79	288	596	100	56C	◆	9	BMQ520-100-L-56-16	W5200044	7	HMQ520-100-H-56-16	W5200088

- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Output shaft overhung load rating is based on load applied at center of output shaft extension (solid output shaft style).
- ◆ Reducers are available with metric IEC input flanges. Refer to page 83 for frame options available. Metric IEC input selections will have a metric output shaft as standard. Contact LEESON for catalog number information.

This Quick Selection is only for style BMQ (left hand output) & HMQ (hollow output) reducers. For other reducer configurations, see the MAXIMUM RATING TABLES beginning on page 70.

**Style BMQ & HMQ
Motorized Quill Input
NEMA & IEC Frame Selections
1750 RPM Input**



1/4 HP / 0.18 KW Gear Reducer Quick Selections												
Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load (lbs.)●	Ratio	Motor Frame		Weight (lbs.)	Style BMQ Left Hand Output		Weight (lbs.)	Style HMQ Hollow Output	
					NEMA	IEC		Model Number	Catalog No.		Model Number	Catalog No.
250	3.05	50	135	7	--	63B14	3	BMQ512-7-L-63B14-14	W5120049	3	HMQ512-7-H-63B14-14	W5120089
250	5.51	50	202	7	56C	◆	7	BMQ518-7-L-56-12	W5180031	6	HMQ518-7-H-56-12	W5180071
175	3.92	71	214	10	56C	◆	7	BMQ518-10-L-56-12	W5180032	6	HMQ518-10-H-56-12	W5180072
175	7.84	72	292	10	56C	◆	9	BMQ520-10-L-56-16	W5200035	7	HMQ520-10-H-56-16	W5200079
165	2.04	74	146	10.6	--	63B14	3	BMQ512-10.6-L-63B14-14	W5120050	3	HMQ512-10.6-H-63B14-14	W5120090
125	3.48	97	248	14	56C	◆	7	BMQ518-14-L-56-12	W5180033	6	HMQ518-14-H-56-12	W5180073
125	5.98	100	326	14	56C	◆	9	BMQ520-14-L-56-16	W5200036	7	HMQ520-14-H-56-16	W5200080
117	1.77	98	180	15	--	63B14	3	BMQ512-15-L-63B14-14	W5120051	3	HMQ512-15-H-63B14-14	W5120091
97	4.79	122	337	18	56C	◆	9	BMQ520-18-L-56-16	W5200037	7	HMQ520-18-H-56-16	W5200081
92	1.54	120	180	19	--	63B14	3	BMQ512-19-L-63B14-14	W5120052	3	HMQ512-19-H-63B14-14	W5120092
83	3.18	127	259	21	56C	◆	7	BMQ518-21-L-56-12	W5180034	6	HMQ518-21-H-56-12	W5180074
67	3.56	162	382	26	56C	◆	9	BMQ520-26-L-56-16	W5200038	7	HMQ520-26-H-56-16	W5200082
63	2.52	163	292	28	56C	◆	7	BMQ518-28-L-56-12	W5180035	6	HMQ518-28-H-56-12	W5180075
58	1.19	168	214	30	--	63B14	3	BMQ512-30-L-63B14-14	W5120053	3	HMQ512-30-H-63B14-14	W5120093
49	2.74	222	427	36	56C	◆	9	BMQ520-36-L-56-16	W5200039	7	HMQ520-36-H-56-16	W5200083
47	1.96	211	315	37	56C	◆	7	BMQ518-37-L-56-12	W5180036	6	HMQ518-37-H-56-12	W5180076
45	0.99	200	236	39	--	63B14	3	BMQ512-39-L-63B14-14	W5120054	3	HMQ512-39-H-63B14-14	W5120094
41	2.42	254	460	43	56C	◆	9	BMQ520-43-L-56-16	W5200040	7	HMQ520-43-H-56-16	W5200084
38	1.59	245	360	46	56C	◆	7	BMQ518-46-L-56-12	W5180037	6	HMQ518-46-H-56-12	W5180077
29	1.45	304	382	60	56C	◆	7	BMQ518-60-L-56-12	W5180038	6	HMQ518-60-H-56-12	W5180078
29	1.95	315	540	60	56C	◆	9	BMQ520-60-L-56-16	W5200041	7	HMQ520-60-H-56-16	W5200085
26.1	2.94	364	854	67	56C	◆	14	BMQ525-67-L-56-18	W5250042	12	HMQ525-67-H-56-18	W5250119
25.7	1.68	345	562	68	56C	◆	9	BMQ520-68-L-56-16	W5200042	7	HMQ520-68-H-56-16	W5200086
21.9	1.47	387	583	80	56C	◆	9	BMQ520-80-L-56-16	W5200043	7	HMQ520-80-H-56-16	W5200087
21.9	2.53	408	866	80	56C	◆	14	BMQ525-80-L-56-18	W5250043	12	HMQ525-80-H-56-18	W5250120
18.6	1.99	440	877	94	56C	◆	14	BMQ525-94-L-56-18	W5250044	12	HMQ525-94-H-56-18	W5250121
7.5	1.15	450	596	100	56C	◆	9	BMQ520-100-L-56-16	W5200044	7	HMQ520-100-H-56-16	W5200088

Bravo® Single Reduction Reducers

- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Output shaft overhung load rating is based on load applied at center of output shaft extension (solid output shaft style).
- ◆ Reducers are available with metric IEC input flanges. Refer to page 83 for frame options available. Metric IEC input selections will have a metric output shaft as standard. Contact LEESON for catalog number information.

This Quick Selection is only for style BMQ (left hand output) & HMQ (hollow output) reducers. For other reducer configurations, see the MAXIMUM RATING TABLES beginning on page 70.

**Style BMQ & HMQ
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**



Bravo® Single
Reduction Reducers

1/3 HP / 0.25 KW

Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load (lbs.)●	Ratio	Motor Frame◆	Style BMQ Left Hand Output			Style HMQ Hollow Output		
						Weight (lbs.)	Model Number	Catalog No.	Weight (lbs.)	Model Number	Catalog No.
250	4.18	67	202	7	56C	7	BMQ518-7-L-56-12	W5180031	6	HMQ518-7-H-56-12	W5180071
175	2.97	94	214	10	56C	7	BMQ518-10-L-56-12	W5180032	6	HMQ518-10-H-56-12	W5180072
175	5.94	95	292	10	56C	9	BMQ520-10-L-56-16	W5200035	7	HMQ520-10-H-56-16	W5200079
125	2.64	128	248	14	56C	7	BMQ518-14-L-56-12	W5180033	6	HMQ518-14-H-56-12	W5180073
125	4.53	131	326	14	56C	9	BMQ520-14-L-56-16	W5200036	7	HMQ520-14-H-56-16	W5200080
97	3.63	161	337	18	56C	9	BMQ520-18-L-56-16	W5200037	7	HMQ520-18-H-56-16	W5200081
83	2.41	168	259	21	56C	7	BMQ518-21-L-56-12	W5180034	6	HMQ518-21-H-56-12	W5180074
73	5.83	214	571	24	56C	14	BMQ525-24-L-56-18	W5250038	12	HMQ525-24-H-56-18	W5250115
67	2.69	214	382	26	56C	9	BMQ520-26-L-56-16	W5200038	7	HMQ520-26-H-56-16	W5200082
63	1.91	215	292	28	56C	7	BMQ518-28-L-56-12	W5180035	6	HMQ518-28-H-56-12	W5180075
58	4.80	265	618	30	56C	14	BMQ525-30-L-56-18	W5250039	12	HMQ525-30-H-56-18	W5250116
49	2.07	293	427	36	56C	9	BMQ520-36-L-56-16	W5200039	7	HMQ520-36-H-56-16	W5200083
49	4.44	289	674	36	56C	14	BMQ525-36-L-56-18	W5250040	12	HMQ525-36-H-56-18	W5250117
47	1.49	279	315	37	56C	7	BMQ518-37-L-56-12	W5180036	6	HMQ518-37-H-56-12	W5180076
46	7.10	321	944	38	56C	29	BMQ534-38-L-56-24	W5340043	24	HMQ534-38-H-56-24	W5340163
41	1.83	335	460	43	56C	9	BMQ520-43-L-56-16	W5200040	7	HMQ520-43-H-56-16	W5200084
39	3.36	352	753	45	56C	14	BMQ525-45-L-56-18	W5250041	12	HMQ525-45-H-56-18	W5250118
38	1.20	323	360	46	56C	7	BMQ518-46-L-56-12	W5180037	6	HMQ518-46-H-56-12	W5180077
34	5.52	404	1034	52	56C	29	BMQ534-52-L-56-24	W5340045	24	HMQ534-52-H-56-24	W5340165
29	1.10	402	382	60	56C	7	BMQ518-60-L-56-12	W5180038	6	HMQ518-60-H-56-12	W5180078
29	1.47	416	540	60	56C	9	BMQ520-60-L-56-16	W5200041	7	HMQ520-60-H-56-16	W5200085
26.1	2.24	478	854	67	56C	14	BMQ525-67-L-56-18	W5250042	12	HMQ525-67-H-56-18	W5250119
26.1	4.75	518	1113	67	56C	29	BMQ534-67-L-56-24	W5340046	24	HMQ534-67-H-56-24	W5340166
25.7	1.26	461	562	68	56C	9	BMQ520-68-L-56-16	W5200042	7	HMQ520-68-H-56-16	W5200086
21.9	1.11	513	583	80	56C	9	BMQ520-80-L-56-16	W5200043	7	HMQ520-80-H-56-16	W5200087
21.9	1.91	541	866	80	56C	14	BMQ525-80-L-56-18	W5250043	12	HMQ525-80-H-56-18	W5250120
18.6	1.51	581	877	94	56C	14	BMQ525-94-L-56-18	W5250044	12	HMQ525-94-H-56-18	W5250121
18.2	2.86	606	1270	96	56C	29	BMQ534-96-L-56-24	W5340048	24	HMQ534-96-H-56-24	W5340168

- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Output shaft overhung load rating is based on load applied at center of output shaft extension (solid output shaft style).
- ◆ NEMA input selections shown. Reducers are also available with metric IEC input flanges. Refer to page 83 for frame options available. Metric IEC input selections will have a metric output shaft as standard. Contact LEESON for catalog number information.

This Quick Selection is only for style BMQ (left hand output) & HMQ (hollow output) reducers. For other reducer configurations, see the MAXIMUM RATING TABLES beginning on page 70.

**Style BMQ & HMQ
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**



1/2 HP / 0.37 KW											
Gear Reducer Quick Selections											
Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load (lbs.)●	Ratio	Motor◆ Frame	Style BMQ Left Hand Output			Style HMQ Hollow Output		
						Weight (lbs.)	Model Number	Catalog No.	Weight (lbs.)	Model Number	Catalog No.
250	2.76	101	202	7	56C	7	BMQ518-7-L-56-12	W5180031	6	HMQ518-7-H-56-12	W5180071
175	1.96	142	214	10	56C	7	BMQ518-10-L-56-12	W5180032	6	HMQ518-10-H-56-12	W5180072
175	3.92	144	292	10	56C	9	BMQ520-10-L-56-16	W5200035	7	HMQ520-10-H-56-16	W5200079
125	1.74	194	248	14	56C	7	BMQ518-14-L-56-12	W5180033	6	HMQ518-14-H-56-12	W5180073
125	2.99	199	326	14	56C	9	BMQ520-14-L-56-16	W5200036	7	HMQ520-14-H-56-16	W5200080
117	5.71	213	495	15	56C	14	BMQ525-15-L-56-18	W5250036	12	HMQ525-15-H-56-18	W5250113
97	2.39	244	337	18	56C	9	BMQ520-18-L-56-16	W5200037	7	HMQ520-18-H-56-16	W5200081
92	4.48	267	526	19	56C	14	BMQ525-19-L-56-18	W5250037	12	HMQ525-19-H-56-18	W5250114
83	1.59	254	259	21	56C	7	BMQ518-21-L-56-12	W5180034	6	HMQ518-21-H-56-12	W5180074
73	3.85	324	571	24	56C	14	BMQ525-24-L-56-18	W5250038	12	HMQ525-24-H-56-18	W5250115
67	1.78	325	382	26	56C	9	BMQ520-26-L-56-16	W5200038	7	HMQ520-26-H-56-16	W5200082
63	1.26	325	292	28	56C	7	BMQ518-28-L-56-12	W5180035	6	HMQ518-28-H-56-12	W5180075
63	6.74	375	843	28	56C	29	BMQ534-28-L-56-24	W5340042	24	HMQ534-28-H-56-24	W5340162
58	3.17	402	618	30	56C	14	BMQ525-30-L-56-18	W5250039	12	HMQ525-30-H-56-18	W5250116
49	1.37	444	427	36	56C	9	BMQ520-36-L-56-16	W5200039	7	HMQ520-36-H-56-16	W5200083
49	2.93	437	674	36	56C	14	BMQ525-36-L-56-18	W5250040	12	HMQ525-36-H-56-18	W5250117
47	0.98	422	315	37	56C	7	BMQ518-37-L-56-12	W5180036	6	HMQ518-37-H-56-12	W5180076
46	4.69	486	944	38	56C	29	BMQ534-38-L-56-24	W5340043	24	HMQ534-38-H-56-24	W5340163
41	1.21	507	460	43	56C	9	BMQ520-43-L-56-16	W5200040	7	HMQ520-43-H-56-16	W5200084
39	2.22	533	753	45	56C	14	BMQ525-45-L-56-18	W5250041	12	HMQ525-45-H-56-18	W5250118
34	3.64	612	1034	52	56C	29	BMQ534-52-L-56-24	W5340045	24	HMQ534-52-H-56-24	W5340165
29	0.97	630	540	60	56C	9	BMQ520-60-L-56-16	W5200041	7	HMQ520-60-H-56-16	W5200085
26.1	1.48	724	854	67	56C	14	BMQ525-67-L-56-18	W5250042	12	HMQ525-67-H-56-18	W5250119
26.1	3.13	785	1113	67	56C	29	BMQ534-67-L-56-24	W5340046	24	HMQ534-67-H-56-24	W5340166
21.9	1.26	820	866	80	56C	14	BMQ525-80-L-56-18	W5250043	12	HMQ525-80-H-56-18	W5250120
18.6	1.00	881	877	94	56C	14	BMQ525-94-L-56-18	W5250044	12	HMQ525-94-H-56-18	W5250121
18.2	1.89	918	1270	96	56C	29	BMQ534-96-L-56-24	W5340048	24	HMQ534-96-H-56-24	W5340168

- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Output shaft overhung load rating is based on load applied at center of output shaft extension (solid output shaft style).
- ◆ NEMA input selections shown. Reducers are also available with metric IEC input flanges. Refer to page 83 for frame options available. Metric IEC input selections will have a metric output shaft as standard. Contact LEESON for catalog number information.

This Quick Selection is only for style BMQ (left hand output) & HMQ (hollow output) reducers. For other reducer configurations, see the MAXIMUM RATING TABLES beginning on page 70.

**Style BMQ & HMQ
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**



Bravo® Single
Reduction Reducers

3/4 HP / 0.55 KW

Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load (lbs.)●	Ratio	Motor◆ Frame	Style BMQ Left Hand Output			Style HMQ Hollow Output		
						Weight (lbs.)	Model Number	Catalog No.	Weight (lbs.)	Model Number	Catalog No.
250	1.84	151	202	7	56C	7	BMQ518-7-L-56-12	W5180031	6	HMQ518-7-H-56-12	W5180071
250	3.30	155	270	7	56C	9	BMQ520-7-L-56-16	W5200034	7	HMQ520-7-H-56-16	W5200078
175	1.31	213	214	10	56C	7	BMQ518-10-L-56-12	W5180032	6	HMQ518-10-H-56-12	W5180072
175	2.61	216	292	10	56C	9	BMQ520-10-L-56-16	W5200035	7	HMQ520-10-H-56-16	W5200079
175	5.59	219	427	10	56C	14	BMQ525-10-L-56-18	W5250068	12	HMQ525-10-H-56-18	W5250123
125	1.16	291	248	14	56C	7	BMQ518-14-L-56-12	W5180033	6	HMQ518-14-H-56-12	W5180073
125	1.99	299	326	14	56C	9	BMQ520-14-L-56-16	W5200036	7	HMQ520-14-H-56-16	W5200080
125	7.88	295	663	14	56C	29	BMQ534-14-L-56-24	W5340039	24	HMQ534-14-H-56-24	W5340159
117	3.80	319	495	15	56C	14	BMQ525-15-L-56-18	W5250069	12	HMQ525-15-H-56-18	W5250124
97	1.60	365	337	18	56C	9	BMQ520-18-L-56-16	W5200037	7	HMQ520-18-H-56-16	W5200081
92	2.99	401	526	19	56C	14	BMQ525-19-L-56-18	W5250037	12	HMQ525-19-H-56-18	W5250114
88	5.21	424	731	20	56C	29	BMQ534-20-L-56-24	W5340040	24	HMQ534-20-H-56-24	W5340160
83	1.06	382	259	21	56C	7	BMQ518-21-L-56-12	W5180034	6	HMQ518-21-H-56-12	W5180074
73	2.57	486	571	24	56C	14	BMQ525-24-L-56-18	W5250038	12	HMQ525-24-H-56-18	W5250115
67	1.19	487	382	26	56C	9	BMQ520-26-L-56-16	W5200038	7	HMQ520-26-H-56-16	W5200082
63	4.49	563	843	28	56C	29	BMQ534-28-L-56-24	W5340042	24	HMQ534-28-H-56-24	W5340162
58	2.11	603	618	30	56C	14	BMQ525-30-L-56-18	W5250039	12	HMQ525-30-H-56-18	W5250116
49	0.91	666	427	36	56C	9	BMQ520-36-L-56-16	W5200039	7	HMQ520-36-H-56-16	W5200083
49	1.95	656	674	36	56C	14	BMQ525-36-L-56-18	W5250040	12	HMQ525-36-H-56-18	W5250117
46	3.12	730	944	38	56C	29	BMQ534-38-L-56-24	W5340043	24	HMQ534-38-H-56-24	W5340163
39	1.48	800	753	45	56C	14	BMQ525-45-L-56-18	W5250041	12	HMQ525-45-H-56-18	W5250118
34	2.43	918	1034	52	56C	29	BMQ534-52-L-56-24	W5340045	24	HMQ534-52-H-56-24	W5340165
26.1	0.98	1087	854	67	56C	14	BMQ525-67-L-56-18	W5250042	12	HMQ525-67-H-56-18	W5250119
26.1	2.09	1177	1113	67	56C	29	BMQ534-67-L-56-24	W5340046	24	HMQ534-67-H-56-24	W5340166
18.2	1.26	1377	1270	96	56C	29	BMQ534-96-L-56-24	W5340048	24	HMQ534-96-H-56-24	W5340168

- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Output shaft overhung load rating is based on load applied at center of output shaft extension (solid output shaft style).
- ◆ NEMA input selections shown. Reducers are also available with metric IEC input flanges. Refer to page 83 for frame options available. Metric IEC input selections will have a metric output shaft as standard. Contact LEESON for catalog number information.

This Quick Selection is only for style BMQ (left hand output) & HMQ (hollow output) reducers. For other reducer configurations, see the MAXIMUM RATING TABLES beginning on page 70.

**Style BMQ & HMQ
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**



1.0 HP / 0.75 KW						Gear Reducer Quick Selections					
Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load (lbs.)●	Ratio	Motor◆ Frame	Style BMQ Left Hand Output			Style HMQ Hollow Output		
						Weight (lbs.)	Model Number	Catalog No.	Weight (lbs.)	Model Number	Catalog No.
250	1.38	202	202	7	56C	7	BMQ518-7-L-56-12	W5180031	6	HMQ518-7-H-56-12	W5180071
250	2.47	207	270	7	56C	9	BMQ520-7-L-56-16	W5200034	7	HMQ520-7-H-56-16	W5200078
175	0.98	285	214	10	56C	7	BMQ518-10-L-56-12	W5180032	6	HMQ518-10-H-56-12	W5180072
175	1.96	288	292	10	56C	9	BMQ520-10-L-56-16	W5200035	7	HMQ520-10-H-56-16	W5200079
175	4.19	292	427	10	140TC	14	BMQ525-10-L-140-18	W5250068	12	HMQ525-10-H-140-18	W5250123
125	1.49	398	326	14	56C	9	BMQ520-14-L-56-16	W5200036	7	HMQ520-14-H-56-16	W5200080
125	5.91	393	663	14	140TC	29	BMQ534-14-L-140-24	W5340075	24	HMQ534-14-H-140-24	W5340171
117	2.85	426	495	15	140TC	14	BMQ525-15-L-140-18	W5250069	12	HMQ525-15-H-140-18	W5250124
97	1.20	487	337	18	56C	9	BMQ520-18-L-56-16	W5200037	7	HMQ520-18-H-56-16	W5200081
92	2.24	534	526	19	140TC	14	BMQ525-19-L-140-18	W5250070	12	HMQ525-19-H-140-18	W5250125
88	3.91	566	731	20	140TC	29	BMQ534-20-L-140-24	W5340076	24	HMQ534-20-H-140-24	W5340172
73	1.92	648	571	24	56C	14	BMQ525-24-L-56-18	W5250038	12	HMQ525-24-H-56-18	W5250115
63	3.37	750	843	28	140TC	29	BMQ534-28-L-140-24	W5340078	24	HMQ534-28-H-140-24	W5340174
58	1.58	804	618	30	56C	14	BMQ525-30-L-56-18	W5250039	12	HMQ525-30-H-56-18	W5250116
49	1.46	875	674	36	56C	14	BMQ525-36-L-56-18	W5250040	12	HMQ525-36-H-56-18	W5250117
46	2.34	973	944	38	140TC	29	BMQ534-38-L-140-24	W5340079	24	HMQ534-38-H-140-24	W5340175
39	1.11	1067	753	45	56C	14	BMQ525-45-L-56-18	W5250041	12	HMQ525-45-H-56-18	W5250118
34	1.82	1223	1034	52	56C	29	BMQ534-52-L-56-24	W5340045	24	HMQ534-52-H-56-24	W5340165
26.1	1.57	1570	1113	67	56C	29	BMQ534-67-L-56-24	W5340046	24	HMQ534-67-H-56-24	W5340166
18.2	0.95	1835	1270	96	56C	29	BMQ534-96-L-56-24	W5340048	24	HMQ534-96-H-56-24	W5340168
1-1/2 HP / 1.1 KW						Gear Reducer Quick Selections					
250	1.65	310	270	7	56C	9	BMQ520-7-L-56-16	W5200034	7	HMQ520-7-H-56-16	W5200078
250	3.50	314	405	7	140TC	14	BMQ525-7-L-140-18	W5250067	12	HMQ525-7-H-140-18	W5250122
175	1.31	432	292	10	56C	9	BMQ520-10-L-56-16	W5200035	7	HMQ520-10-H-56-16	W5200079
175	2.79	438	427	10	140TC	14	BMQ525-10-L-140-18	W5250068	12	HMQ525-10-H-140-18	W5250123
175	5.08	432	607	10	140TC	29	BMQ534-10-L-140-24	W5340074	24	HMQ534-10-H-140-24	W5340170
125	1.00	597	326	14	56C	9	BMQ520-14-L-56-16	W5200036	7	HMQ520-14-H-56-16	W5200080
125	3.94	590	663	14	140TC	29	BMQ534-14-L-140-24	W5340075	24	HMQ534-14-H-140-24	W5340171
117	1.90	638	495	15	56C	14	BMQ525-15-L-56-18	W5250036	12	HMQ525-15-H-56-18	W5250113
92	1.49	802	526	19	56C	14	BMQ525-19-L-56-18	W5250037	12	HMQ525-19-H-56-18	W5250114
88	2.61	849	731	20	140TC	29	BMQ534-20-L-140-24	W5340076	24	HMQ534-20-H-140-24	W5340172
73	1.28	971	571	24	56C	14	BMQ525-24-L-56-18	W5250038	12	HMQ525-24-H-56-18	W5250115
63	2.25	1125	843	28	140TC	29	BMQ534-28-L-140-24	W5340078	24	HMQ534-28-H-140-24	W5340174
58	1.06	1206	618	30	56C	14	BMQ525-30-L-56-18	W5250039	12	HMQ525-30-H-56-18	W5250116
49	0.98	1312	674	36	56C	14	BMQ525-36-L-56-18	W5250040	12	HMQ525-36-H-56-18	W5250117
46	1.56	1459	944	38	56C	29	BMQ534-38-L-56-24	W5340043	24	HMQ534-38-H-56-24	W5340163
34	1.21	1835	1034	52	56C	29	BMQ534-52-L-56-24	W5340045	24	HMQ534-52-H-56-24	W5340165
26.1	1.04	2363	1113	67	56C	29	BMQ534-67-L-56-24	W5340046	24	HMQ534-67-H-56-24	W5340166

Bravo® Single Reduction Reducers

▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
 ● Output shaft overhung load rating is based on load applied at center of output shaft extension (solid output shaft style).
 ◆ NEMA input selections shown. Reducers are also available with metric IEC input flanges. Refer to page 83 for frame options available. Metric IEC input selections will have a metric output shaft as standard. Contact LEESON for catalog number information.

This Quick Selection is only for style BMQ (left hand output) & HMQ (hollow output) reducers. For other reducer configurations, see the MAXIMUM RATING TABLES beginning on page 70.

**Style BMQ & HMQ
Motorized Quill Input
NEMA Frame Selections
1750 RPM Input**



Bravo® Single Reduction Reducers

2 HP / 1.5 KW

Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load (lbs.)●	Ratio	Motor◆ Frame	Style BMQ Left Hand Output			Style HMQ Hollow Output		
						Weight (lbs.)	Model Number	Catalog No.	Weight (lbs.)	Model Number	Catalog No.
250	1.24	413	270	7	56C	9	BMQ520-7-L-56-16	W5200034	7	HMQ520-7-H-56-16	W5200078
250	2.62	418	405	7	140TC	14	BMQ525-7-L-140-18	W5250067	12	HMQ525-7-H-140-18	W5250122
250	4.13	444	562	7	140TC	29	BMQ534-7-L-140-24	W5340073	24	HMQ534-7-H-140-24	W5340169
175	0.98	576	292	10	56C	9	BMQ520-10-L-56-16	W5200035	7	HMQ520-10-H-56-16	W5200079
175	2.09	583	427	10	140TC	14	BMQ525-10-L-140-18	W5250068	12	HMQ525-10-H-140-18	W5250123
175	3.81	576	607	10	140TC	29	BMQ534-10-L-140-24	W5340074	24	HMQ534-10-H-140-24	W5340170
125	2.95	787	663	14	140TC	29	BMQ534-14-L-140-24	W5340075	24	HMQ534-14-H-140-24	W5340171
117	1.43	851	495	15	56C	14	BMQ525-15-L-56-18	W5250036	12	HMQ525-15-H-56-18	W5250113
92	1.12	1069	526	19	56C	14	BMQ525-19-L-56-18	W5250037	12	HMQ525-19-H-56-18	W5250114
88	1.95	1132	731	20	140TC	29	BMQ534-20-L-140-24	W5340076	24	HMQ534-20-H-140-24	W5340172
73	0.96	1295	571	24	56C	14	BMQ525-24-L-56-18	W5250038	12	HMQ525-24-H-56-18	W5250115
63	1.68	1501	843	28	140TC	29	BMQ534-28-L-140-24	W5340078	24	HMQ534-28-H-140-24	W5340174
46	1.17	1946	944	38	140TC	29	BMQ534-38-L-140-24	W5340079	24	HMQ534-38-H-140-24	W5340175

3.0 HP / 2.2 KW

Gear Reducer Quick Selections

250	1.75	628	405	7	140TC	14	BMQ525-7-L-140-18	W5250067	12	HMQ525-7-H-140-18	W5250122
250	2.75	666	562	7	180TC	29	BMQ534-7-L-180-24	W5340109	24	HMQ534-7-H-180-24	W5340181
175	1.40	875	427	10	140TC	14	BMQ525-10-L-140-18	W5250068	12	HMQ525-10-H-140-18	W5250123
175	2.54	864	607	10	180TC	29	BMQ534-10-L-180-24	W5340110	24	HMQ534-10-H-180-24	W5340182
125	1.97	1180	663	14	180TC	29	BMQ534-14-L-180-24	W5340111	24	HMQ534-14-H-180-24	W5340183
117	0.95	1277	495	15	140TC	14	BMQ525-15-L-140-18	W5250069	12	HMQ525-15-H-140-18	W5250124
88	1.30	1697	731	20	180TC	29	BMQ534-20-L-180-24	W5340112	24	HMQ534-20-H-180-24	W5340184
63	1.12	2251	843	28	180TC	29	BMQ534-28-L-180-24	W5340114	24	HMQ534-28-H-180-24	W5340186

5.0 HP / 3.7 KW

Gear Reducer Quick Selections

250	1.65	1109	562	7	180TC	29	BMQ534-7-L-180-24	W5340109	24	HMQ534-7-H-180-24	W5340181
175	1.52	1441	607	10	180TC	29	BMQ534-10-L-180-24	W5340110	24	HMQ534-10-H-180-24	W5340182
125	1.18	1966	663	14	180TC	29	BMQ534-14-L-180-24	W5340111	24	HMQ534-14-H-180-24	W5340183

7.5 HP / 1.5 KW

Gear Reducer Quick Selections

250	1.10	1664	562	7	180TC	29	BMQ534-7-L-180-24	W5340109	24	HMQ534-7-H-180-24	W5340181
175	1.02	2161	607	10	180TC	29	BMQ534-10-L-180-24	W5340110	24	HMQ534-10-H-180-24	W5340182

- ▼ Service Factor is based on maximum torque rating of reducer. Refer to page 171 for special application considerations.
- Output shaft overhung load rating is based on load applied at center of output shaft extension (solid output shaft style).
- ◆ NEMA input selections shown. Reducers are also available with metric IEC input flanges. Refer to page 83 for frame options available. Metric IEC input selections will have a metric output shaft as standard. Contact LEESON for catalog number information.

This Quick Selection is only for style BMQ (left hand output) & HMQ (hollow output) reducers. For other reducer configurations, see the MAXIMUM RATING TABLES beginning on page 70.