

### How To Use Maximum Rating Tables

Maximum Rating Tables for Single Reduction Gear Reducers are shown on pages 12-33. Selection of the appropriate gear reducer can be made using these tables or the Quick Selection Tables (pages 38-55).

**BEFORE YOU START:**

**Identify the Service Factor** of the application (see page 174).

**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 6-9. Note the basic mounting style (BMQ, BM, etc.).

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

**2 Locate the Input RPM and Output RPM columns** on the left side of the table. Scroll down the Input RPM column to locate a listing where the desired input speed corresponds to the output speed required in your application. (Input RPM listings are rounded to the nearest hundred. Your actual input speed of 1750 can be correlated to 1800 with no material change in performance.)

**1 Find the appropriate Maximum Rating Tables pages** for your basic mounting style. The tables begin on page 12.

**4 Select motor frame size.**

LEESON OHIO GEAR						LEESON OHIO GEAR							
SINGLE REDUCTION MAXIMUM RATING TABLES						SINGLE REDUCTION MAXIMUM RATING TABLES							
813 SERIES - ALL STOCK STYLES						813 SERIES - ALL STOCK STYLES							
						Style B		Style H		Style BM			
													
Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (ft-lb)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Flange Output Catalog No.	APMA D Frame Range	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.
5	1750	350	1.06	0.96	172								
	1190	230	0.83	0.74	198								
	850	170	0.67	0.59	213	WB130001	WB130013	WB130025	WB130501.10	56C	WB130007	WB130049	WB130091
	100	20	0.35	0.28	258								
7.5	1750	233	0.78	0.64	173								
	1190	155	0.57	0.49	200								
	850	113	0.47	0.40	214	WB130002	WB130014	WB130026	WB130502.10	56C			
	100	13	0.27	0.22	258								
10	1750	175	0.72	0.61	219								
	1190	115	0.55	0.45	244								
	850	85	0.44	0.35	258	WB130003	WB130015	WB130027	WB130503.10	56C			
	100	10	0.27	0.22	295								
15	1750	117	0.58	0.45	242								
	1190	77	0.43	0.33	272								
	850	57	0.35	0.26	288	WB130004	WB130016	WB130028	WB130504.10	56C			
	100	6.7	0.26	0.24	332								
20	1750	88	0.44	0.33	240								
	1190	58	0.33	0.24	266								
	850	43	0.27	0.19	280	WB130005	WB130017	WB130029	WB130505.10	46CZ 56C	WB130113	WB130125	WB130137
	100	5	0.24	0.23	318						WB130041	WB130053	WB130095
25	1750	70	0.38	0.27	243								
	1190	46	0.27	0.20	271								
	850	34	0.22	0.16	285	WB130006	WB130018	WB130030	WB130506.10	46CZ 56C	WB130114	WB130126	WB130138
	100	4	0.24	0.22	328						WB130042	WB130054	WB130096
30	1750	55	0.32	0.22	242								
	1190	38	0.25	0.18	268								
	850	28	0.21	0.13	282	WB130007	WB130019	WB130031	WB130507.10	46CZ 56C	WB130115	WB130127	WB130139
	100	3.3	0.23	0.22	330						WB130043	WB130055	WB130097
40	1750	44	0.25	0.17	239								
	1190	29	0.20	0.12	265								
	850	21	0.16	0.11	279	WB130008	WB130020	WB130032	WB130508.10	46CZ 56C	WB130116	WB130128	WB130140
	100	2.4	0.23	0.22	316						WB130044	WB130056	WB130098

**3 Move across the table to the Input HP column** until you find a rating that is equal to or greater than the actual input horsepower required. Once located, check the top of the table to identify the correct gear reducer size (818, 821, 824, etc.).

**5 Identify the model number and catalog number** of the basic reducer by continuing to the right. See page 10 for detailed information on building an exact model number.

**6 Verify physical dimensions** using the dimensional drawings shown on pages 56-77.



**SINGLE REDUCTION  
MAXIMUM RATING TABLES**

813 SERIES • ALL STOCK STYLES



**OHIO GEAR™**

Style B

Style H



**813 Series**

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.
<b>5</b>	1750	350	1.06	0.96	172	<b>W8130001</b>	<b>W8130013</b>	<b>W8130025</b>	<b>W8130501.10</b>
	1150	230	0.83	0.74	198				
	850	170	0.67	0.59	213				
	100	20	0.10	0.08	256				
<b>7.5</b>	1750	233	0.78	0.64	173	<b>W8130002</b>	<b>W8130014</b>	<b>W8130026</b>	<b>W8130502.10</b>
	1150	153	0.57	0.49	200				
	850	113	0.47	0.40	214				
	100	13	0.07	0.06	258				
<b>10</b>	1750	175	0.72	0.61	219	<b>W8130003</b>	<b>W8130015</b>	<b>W8130027</b>	<b>W8130503.10</b>
	1150	115	0.55	0.45	244				
	850	85	0.44	0.35	258				
	100	10	0.07	0.05	295				
<b>15</b>	1750	117	0.56	0.45	242	<b>W8130004</b>	<b>W8130016</b>	<b>W8130028</b>	<b>W8130504.10</b>
	1150	77	0.43	0.33	272				
	850	57	0.35	0.26	288				
	100	6.7	0.06	0.04	337				
<b>20</b>	1750	88	0.44	0.33	240	<b>W8130005</b>	<b>W8130017</b>	<b>W8130029</b>	<b>W8130505.10</b>
	1150	58	0.33	0.24	266				
	850	43	0.27	0.19	280				
	100	5	0.04	0.03	318				
<b>25</b>	1750	70	0.36	0.27	243	<b>W8130006</b>	<b>W8130018</b>	<b>W8130030</b>	<b>W8130506.10</b>
	1150	46	0.27	0.20	271				
	850	34	0.22	0.16	285				
	100	4	0.04	0.02	328				
<b>30</b>	1750	58	0.32	0.22	242	<b>W8130007</b>	<b>W8130019</b>	<b>W8130031</b>	<b>W8130507.10</b>
	1150	38	0.25	0.16	268				
	850	28	0.21	0.13	282				
	100	3.3	0.03	0.02	320				
<b>40</b>	1750	44	0.25	0.17	239	<b>W8130008</b>	<b>W8130020</b>	<b>W8130032</b>	<b>W8130508.10</b>
	1150	29	0.20	0.12	265				
	850	21	0.17	0.09	278				
	100	2.5	0.03	0.013	316				
<b>50</b>	1750	35	0.23	0.13	233	<b>W8130009</b>	<b>W8130021</b>	<b>W8130033</b>	<b>W8130509.10</b>
	1150	23	0.18	0.10	268				
	850	17	0.15	0.08	282				
	100	2	0.03	0.010	316				
<b>60</b>	1750	29	0.18	0.10	220	<b>W8130010</b>	<b>W8130022</b>	<b>W8130034</b>	<b>W8130510.10</b>
	1150	19	0.15	0.07	244				
	850	14	0.12	0.06	261				
	100	1.7	0.02	0.008	300				
<b>80</b>	1750	22	0.12	0.06	181	<b>W8130011</b>	<b>W8130023</b>	<b>W8130035</b>	<b>W8130511.10</b>
	1150	14	0.09	0.05	200				
	850	11	0.08	0.04	209				
	100	1.3	0.01	0.005	237				
<b>100</b>	1750	18	0.08	0.04	142	<b>W8130012</b>	<b>W8130024</b>	<b>W8130036</b>	<b>W8130512.10</b>
	1150	12	0.06	0.03	156				
	850	9	0.05	0.02	163				
	100	1.0	0.01	0.003	185				

	Style BM			Style HM	Style BMQ			Style HMQ
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.
56C	W8130037	W8130049	W8130061	W8130513.10	W8130073	W8130085	W8130097	W8130525.10
56C	W8130038	W8130050	W8130062	W8130514.10	W8130074	W8130086	W8130098	W8130526.10
56C	W8130039	W8130051	W8130063	W8130515.10	W8130075	W8130087	W8130099	W8130527.10
56C	W8130040	W8130052	W8130064	W8130516.10	W8130076	W8130088	W8130100	W8130528.10
48CZ 56C	W8130113 W8130041	W8130125 W8130053	W8130137 W8130065	W8130541.10 W8130517.10	W8130185 W8130077	W8130197 W8130089	W8130209 W8130101	W8130565.10 W8130529.10
48CZ 56C	W8130114 W8130042	W8130126 W8130054	W8130138 W8130066	W8130542.10 W8130518.10	W8130186 W8130078	W8130198 W8130090	W8130210 W8130102	W8130566.10 W8130530.10
48CZ 56C	W8130115 W8130043	W8130127 W8130055	W8130139 W8130067	W8130543.10 W8130519.10	W8130187 W8130079	W8130199 W8130091	W8130211 W8130103	W8130567.10 W8130531.10
48CZ 56C	W8130116 W8130044	W8130128 W8130056	W8130140 W8130068	W8130544.10 W8130520.10	W8130188 W8130080	W8130200 W8130092	W8130212 W8130104	W8130568.10 W8130532.10
48CZ 56C	W8130117 W8130045	W8130129 W8130057	W8130141 W8130069	W8130545.10 W8130521.10	W8130189 W8130081	W8130201 W8130093	W8130213 W8130105	W8130569.10 W8130533.10
48CZ 56C	W8130118 W8130046	W8130130 W8130058	W8130142 W8130070	W8130546.10 W8130522.10	W8130190 W8130082	W8130202 W8130094	W8130214 W8130106	W8130570.10 W8130534.10
48CZ 56C	W8130119 W8130047	W8130131 W8130059	W8130143 W8130071	W8130547.10 W8130523.10	W8130191 W8130083	W8130203 W8130095	W8130215 W8130107	W8130571.10 W8130535.10
48CZ 56C	W8130120 W8130048	W8130132 W8130060	W8130144 W8130072	W8130548.10 W8130524.10	W8130192 W8130084	W8130204 W8130096	W8130216 W8130108	W8130572.10 W8130536.10

▲ Consult LEESON for other motor flanges available.



# SINGLE REDUCTION MAXIMUM RATING TABLES

815 SERIES • ALL STOCK STYLES



Style B

Style H



## 815 Series

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.
<b>5</b>	1750	350	1.62	1.46	263	<b>W8150001</b>	<b>W8150013</b>	<b>W8150025</b>	<b>W8150501.10</b>
	1150	230	1.32	1.17	316				
	850	170	1.10	0.96	347				
	100	20	0.02	0.14	443				
<b>7.5</b>	1750	233	1.24	1.09	294	<b>W8150002</b>	<b>W8150014</b>	<b>W8150026</b>	<b>W8150502.10</b>
	1150	153	1.01	0.87	350				
	850	113	0.84	0.71	383				
	100	13	0.14	0.10	484				
<b>10</b>	1750	175	1.02	0.87	313	<b>W8150003</b>	<b>W8150015</b>	<b>W8150027</b>	<b>W8150503.10</b>
	1150	115	0.83	0.69	372				
	850	85	0.69	0.56	406				
	100	10	0.12	0.08	511				
<b>15</b>	1750	117	0.77	0.62	334	<b>W8150004</b>	<b>W8150016</b>	<b>W8150028</b>	<b>W8150504.10</b>
	1150	77	0.64	0.49	396				
	850	57	0.53	0.40	433				
	100	6.7	0.09	0.06	542				
<b>20</b>	1750	88	0.64	0.48	349	<b>W8150005</b>	<b>W8150017</b>	<b>W8150029</b>	<b>W8150505.10</b>
	1150	58	0.53	0.38	411				
	850	43	0.44	0.31	447				
	100	5	0.08	0.04	556				
<b>25</b>	1750	70	0.54	0.40	353	<b>W8150006</b>	<b>W8150018</b>	<b>W8150030</b>	<b>W8150506.10</b>
	1150	46	0.45	0.31	414				
	850	34	0.38	0.25	450				
	100	4	0.07	0.04	556				
<b>30</b>	1750	58	0.47	0.32	343	<b>W8150007</b>	<b>W8150019</b>	<b>W8150031</b>	<b>W8150507.10</b>
	1150	38	0.40	0.25	406				
	850	28	0.34	0.20	443				
	100	3.3	0.07	0.03	555				
<b>40</b>	1750	44	0.39	0.24	347	<b>W8150008</b>	<b>W8150020</b>	<b>W8150032</b>	<b>W8150508.10</b>
	1150	29	0.33	0.19	408				
	850	21	0.28	0.15	444				
	100	2.5	0.06	0.02	552				
<b>50</b>	1750	35	0.33	0.19	339	<b>W8150009</b>	<b>W8150021</b>	<b>W8150033</b>	<b>W8150509.10</b>
	1150	23	0.28	0.15	398				
	850	17	0.24	0.12	432				
	100	2	0.05	0.02	533				
<b>60</b>	1750	29	0.28	0.15	323	<b>W8150010</b>	<b>W8150022</b>	<b>W8150034</b>	<b>W8150510.10</b>
	1150	19	0.24	0.12	378				
	850	14	0.21	0.09	410				
	100	1.7	0.04	0.01	505				
<b>80</b>	1750	22	0.20	0.09	269	<b>W8150011</b>	<b>W8150023</b>	<b>W8150035</b>	<b>W8150511.10</b>
	1150	14	0.18	0.07	314				
	850	11	0.15	0.06	340				
	100	1.3	0.03	0.01	418				
<b>100</b>	1750	18	0.15	0.06	213	<b>W8150012</b>	<b>W8150024</b>	<b>W8150036</b>	<b>W8150512.10</b>
	1150	12	0.13	0.05	248				
	850	9	0.11	0.04	268				
	100	1.0	0.02	0.01	328				

	Style BM			Style HM	Style BMQ			Style HMQ
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.
56C 143-5TC	W8150073 W8150109	W8150085 W8150121	W8150097 W8150133	W8150525.10 W8150537.10	W8150181 W8150217	W8150193 W8150229	W8150205 W8150241	W8150561.10 W8150573.10
56C 143-5TC	W8150074 W8150110	W8150086 W8150122	W8150098 W8150134	W8150526.10 W8150538.10	W8150182 W8150218	W8150194 W8150230	W8150206 W8150242	W8150562.10 W8150574.10
56C 143-5TC	W8150075 W8150111	W8150087 W8150123	W8150099 W8150135	W8150527.10 W8150539.10	W8150183 W8150219	W8150195 W8150231	W8150207 W8150243	W8150563.10 W8150575.10
56C 143-5TC	W8150076 W8150112	W8150088 W8150124	W8150100 W8150136	W8150528.10 W8150540.10	W8150184 W8150220	W8150196 W8150232	W8150208 W8150244	W8150564.10 W8150576.10
56C 143-5TC	W8150077 W8150113	W8150089 W8150125	W8150101 W8150137	W8150529.10 W8150541.10	W8150185 W8150221	W8150197 W8150233	W8150209 W8150245	W8150565.10 W8150577.10
56C	W8150078	W8150090	W8150102	W8150530.10	W8150186	W8150198	W8150210	W8150566.10
48CZ 56C	W8150043 W8150079	W8150055 W8150091	W8150067 W8150103	W8150519.10 W8150531.10	W8150151 W8150187	W8150163 W8150199	W8150175 W8150211	W8150555.10 W8150567.10
48CZ 56C	W8150044 W8150080	W8150056 W8150092	W8150068 W8150104	W8150520.10 W8150532.10	W8150152 W8150188	W8150164 W8150200	W8150176 W8150212	W8150556.10 W8150568.10
48CZ 56C	W8150045 W8150081	W8150057 W8150093	W8150069 W8150105	W8150521.10 W8150533.10	W8150153 W8150189	W8150165 W8150201	W8150177 W8150213	W8150557.10 W8150569.10
48CZ 56C	W8150046 W8150082	W8150058 W8150094	W8150070 W8150106	W8150522.10 W8150534.10	W8150154 W8150190	W8150166 W8150202	W8150178 W8150214	W8150558.10 W8150570.10
48CZ 56C	W8150047 W8150083	W8150059 W8150095	W8150071 W8150107	W8150523.10 W8150535.10	W8150155 W8150191	W8150167 W8150203	W8150179 W8150215	W8150559.10 W8150571.10
48CZ 56C	W8150048 W8150084	W8150060 W8150096	W8150072 W8150108	W8150524.10 W8150536.10	W8150156 W8150192	W8150168 W8150204	W8150180 W8150216	W8150560.10 W8150572.10

▲ Consult LEESON for other motor flanges available.



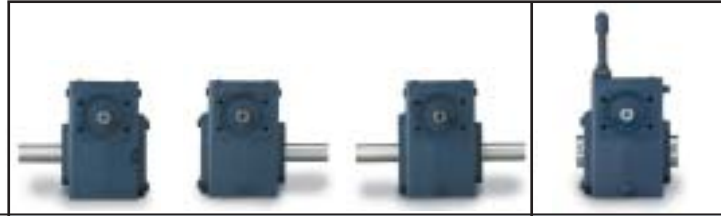
# SINGLE REDUCTION MAXIMUM RATING TABLES

818 SERIES • ALL STOCK STYLES



Style B

Style H



## 818 Series

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
<b>5</b>	1750	350	1.70	1.56	281	<b>W8180001</b>	<b>W8180013</b>	<b>W8180025</b>	<b>W8180501.XX</b>
	1150	230	1.39	1.26	339				
	850	170	1.15	1.03	373				
	100	20	0.19	0.15	478				
<b>7.5</b>	1750	233	1.67	1.50	404	<b>W8180002</b>	<b>W8180014</b>	<b>W8180026</b>	<b>W8180502.XX</b>
	1150	153	1.28	1.13	465				
	850	113	1.05	0.91	496				
	100	13	0.16	0.13	595				
<b>10</b>	1750	175	1.38	1.21	436	<b>W8180003</b>	<b>W8180015</b>	<b>W8180027</b>	<b>W8180503.XX</b>
	1150	115	1.06	0.91	496				
	850	85	0.87	0.71	529				
	100	10	0.13	0.10	622				
<b>15</b>	1750	117	1.05	0.87	470	<b>W8180004</b>	<b>W8180016</b>	<b>W8180028</b>	<b>W8180504.XX</b>
	1150	77	0.81	0.65	532				
	850	57	0.66	0.51	567				
	100	6.7	0.11	0.07	662				
<b>20</b>	1750	88	0.82	0.67	480	<b>W8180005</b>	<b>W8180017</b>	<b>W8180029</b>	<b>W8180505.XX</b>
	1150	58	0.53	0.49	542				
	850	43	0.52	0.39	577				
	100	5	0.08	0.05	672				
<b>25</b>	1750	70	0.67	0.53	477	<b>W8180006</b>	<b>W8180018</b>	<b>W8180030</b>	<b>W8180506.XX</b>
	1150	46	0.51	0.39	540				
	850	34	0.42	0.32	571				
	100	4	0.07	0.04	669				
<b>30</b>	1750	58	0.61	0.45	485	<b>W8180007</b>	<b>W8180019</b>	<b>W8180031</b>	<b>W8180507.XX</b>
	1150	38	0.48	0.33	547				
	850	28	0.40	0.26	582				
	100	3.3	0.07	0.04	677				
<b>40</b>	1750	44	0.48	0.33	480	<b>W8180008</b>	<b>W8180020</b>	<b>W8180032</b>	<b>W8180508.XX</b>
	1150	29	0.38	0.25	541				
	850	21	0.30	0.19	574				
	100	2.5	0.05	0.03	667				
<b>50</b>	1750	35	0.40	0.26	463	<b>W8180009</b>	<b>W8180021</b>	<b>W8180033</b>	<b>W8180509.XX</b>
	1150	23	0.30	0.19	520				
	850	17	0.25	0.15	551				
	100	2	0.04	0.02	638				
<b>60</b>	1750	29	0.32	0.20	434	<b>W8180010</b>	<b>W8180022</b>	<b>W8180034</b>	<b>W8180510.XX</b>
	1150	19	0.25	0.15	485				
	850	14	0.21	0.12	513				
	100	1.7	0.04	0.02	589				
<b>80</b>	1750	22	0.21	0.12	353	<b>W8180011</b>	<b>W8180023</b>	<b>W8180035</b>	<b>W8180511.XX</b>
	1150	14	0.16	0.09	394				
	850	11	0.14	0.07	415				
	100	1.3	0.02	0.01	478				
<b>100</b>	1750	18	0.14	0.08	277	<b>W8180012</b>	<b>W8180024</b>	<b>W8180036</b>	<b>W8180512.XX</b>
	1150	12	0.11	0.06	308				
	850	9	0.09	0.05	324				
	100	1.0	0.02	0.01	371				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
56C 143-5TC	W8180037 W8180073	W8180049 W8180085	W8180061 W8180097	W8180513.XX W8180525.XX	W8180109 W8180145	W8180121 W8180157	W8180133 W8180169	W8180537.XX W8180549.XX
56C 143-5TC	W8180038 W8180074	W8180050 W8180086	W8180062 W8180098	W8180514.XX W8180526.XX	W8180110 W8180146	W8180122 W8180158	W8180134 W8180170	W8180538.XX W8180550.XX
56C 143-5TC	W8180039 W8180075	W8180051 W8180087	W8180063 W8180099	W8180515.XX W8180527.XX	W8180111 W8180147	W8180123 W8180159	W8180135 W8180171	W8180539.XX W8180551.XX
56C 143-5TC	W8180040 W8180076	W8180052 W8180088	W8180064 W8180100	W8180516.XX W8180528.XX	W8180112 W8180148	W8180124 W8180160	W8180136 W8180172	W8180540.XX W8180552.XX
56C 143-5TC	W8180041 W8180077	W8180053 W8180089	W8180065 W8180101	W8180517.XX W8180529XX	W8180113 W8180149	W8180125 W8180161	W8180137 W8180173	W8180541.XX W8180553.XX
56C 143-5TC	W8180042 W8180078	W8180054 W8180090	W8180066 W8180102	W8180518.XX W8180530.XX	W8180114 —	W8180126 —	W8180138 —	W8180542.XX —
56C 143-5TC	W8180043 W8180079	W8180055 W8180091	W8180067 W8180103	W8180519.XX W8180531.XX	W8180115 —	W8180127 —	W8180139 —	W8180543.XX —
48CZ 56C 143-5TC	W8180188 W8180044 W8180080	W8180200 W8180056 W8180092	W8180212 W8180068 W8180104	W8180568.XX W8180520.XX W8180532.XX	W8180224 W8180116 —	W8180236 W8180128 —	W8180248 W8180140 —	W8180580.XX W8180544.XX —
48CZ 56C 143-5TC	W8180189 W8180045 W8180081	W8180201 W8180057 W8180093	W8180213 W8180069 W8180105	W8180569.XX W8180521.XX W8180533.XX	W8180225 W8180117 —	W8180237 W8180129 —	W8180249 W8180141 —	W8180581.XX W8180545.XX —
48CZ 56C 143-5TC	W8180190 W8180046 W8180082	W8180202 W8180058 W8180094	W8180214 W8180070 W8180106	W8180570.XX W8180522.XX W8180534.XX	W8180226 W8180118 —	W8180238 W8180130 —	W8180250 W8180142 —	W8180582.XX W8180546.XX —
48CZ 56C	W8180191 W8180047	W8180203 W8180059	W8180215 W8180071	W8180571.XX W8180523.XX	W8180227 W8180119	W8180239 W8180131	W8180251 W8180143	W8180583.XX W8180547.XX
48CZ 56C	W8180192 W8180048	W8180204 W8180060	W8180216 W8180072	W8180572.XX W8180524.XX	W8180228 W8180120	W8180240 W8180132	W8180252 W8180144	W8180584.XX W8180548.XX

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



# SINGLE REDUCTION MAXIMUM RATING TABLES

821 SERIES • ALL STOCK STYLES



Style B

Style H



## 821 Series

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
5	1750	350	2.51	2.32	418	W8210001	W8210013	W8210025	W8210501.XX
	1150	230	2.10	1.92	517				
	850	170	1.77	1.60	578				
	100	20	0.29	0.24	766				
7.5	1750	233	2.48	2.24	605	W8210002	W8210014	W8210026	W8210502.XX
	1150	153	2.02	1.72	705				
	850	113	1.58	1.40	758				
	100	13	0.24	0.20	923				
10	1750	175	2.10	1.86	671	W8210003	W8210015	W8210027	W8210503.XX
	1150	115	1.66	1.42	778				
	850	85	1.37	1.13	838				
	100	10	0.21	0.16	1009				
15	1750	117	1.58	1.34	725	W8210004	W8210016	W8210028	W8210504.XX
	1150	77	1.24	1.02	836				
	850	57	1.01	0.81	897				
	100	6.7	0.15	0.11	1071				
20	1750	88	1.25	1.03	742	W8210005	W8210017	W8210029	W8210505.XX
	1150	58	0.99	0.78	853				
	850	43	0.81	0.62	915				
	100	5	0.13	0.09	1090				
25	1750	70	1.01	0.82	735	W8210006	W8210018	W8210030	W8210506.XX
	1150	46	0.79	0.62	844				
	850	34	0.65	0.50	901				
	100	4	0.10	0.07	1076				
30	1750	58	0.90	0.69	749	W8210007	W8210019	W8210031	W8210507.XX
	1150	38	0.72	0.52	860				
	850	28	0.60	0.41	922				
	100	3.3	0.10	0.06	1096				
40	1750	44	0.72	0.52	742	W8210008	W8210020	W8210032	W8210508.XX
	1150	29	0.57	0.39	851				
	850	21	0.47	0.31	912				
	100	2.5	0.08	0.04	1083				
50	1750	35	0.57	0.40	720	W8210009	W8210021	W8210033	W8210509.XX
	1150	23	0.47	0.30	826				
	850	17	0.39	0.24	885				
	100	2	0.07	0.03	1051				
60	1750	29	0.49	0.31	674	W8210010	W8210022	W8210034	W8210510.XX
	1150	19	0.41	0.23	765				
	850	14	0.34	0.18	815				
	100	1.7	0.06	0.03	956				
80	1750	22	0.33	0.19	552	W8210011	W8210023	W8210035	W8210511.XX
	1150	14	0.25	0.14	628				
	850	11	0.21	0.12	667				
	100	1.3	0.04	0.02	787				
100	1750	18	0.22	0.12	433	W8210012	W8210024	W8210036	W8210512.XX
	1150	12	0.17	0.09	492				
	850	9	0.15	0.07	522				
	100	1.0	0.03	0.01	614				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code



	Style BM			Style HM	Style BMQ			Style HMQ
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
56C 143-5TC	W8210037 W8210073	W8210049 W8210085	W8210061 W8210097	W8210513.XX W8210525.XX	W8210109 W8210145	W8210121 W8210157	W8210133 W8210169	W8210537.XX W8210549.XX
56C 143-5TC	W8210038 W8210074	W8210050 W8210086	W8210062 W8210098	W8210514.XX W8210526.XX	W8210110 W8210146	W8210122 W8210158	W8210134 W8210170	W8210538.XX W8210550.XX
56C 143-5TC	W8210039 W8210075	W8210051 W8210087	W8210063 W8210099	W8210515.XX W8210527.XX	W8210111 W8210147	W8210123 W8210159	W8210135 W8210171	W8210539.XX W8210551.XX
56C 143-5TC	W8210040 W8210076	W8210052 W8210088	W8210064 W8210100	W8210516.XX W8210528.XX	W8210112 W8210148	W8210124 W8210160	W8210136 W8210172	W8210540.XX W8210552.XX
56C 143-5TC	W8210041 W8210077	W8210053 W8210089	W8210065 W8210101	W8210517.XX W8210529.XX	W8210113 W8210149	W8210125 W8210161	W8210137 W8210173	W8210541.XX W8210553.XX
56C 143-5TC	W8210042 W8210078	W8210054 W8210090	W8210066 W8210102	W8210518.XX W8210530.XX	W8210114 W8210150	W8210126 W8210162	W8210138 W8210174	W8210542.XX W8210554.XX
56C 143-5TC	W8210043 W8210079	W8210055 W8210091	W8210067 W8210103	W8210519.XX W8210531.XX	W8210115 W8210151	W8210127 W8210163	W8210139 W8210175	W8210543.XX W8210555.XX
56C 143-5TC	W8210044 W8210080	W8210056 W8210092	W8210068 W8210104	W8210520.XX W8210532.XX	W8210116 —	W8210128 —	W8210140 —	W8210544.XX —
56C 143-5TC	W8210045 W8210081	W8210057 W8210093	W8210069 W8210105	W8210521.XX W8210533.XX	W8210117 —	W8210129 —	W8210141 —	W8210545.XX —
48CZ 56C 143-5TC	W8210190 W8210046 W8210082	W8210202 W8210058 W8210094	W8210214 W8210070 W8210106	W8210570.XX W8210522.XX W8210534.XX	W8210226 W8210118 —	W8210238 W8210130 —	W8210250 W8210142 —	W8210582.XX W8210546.XX —
48CZ 56C	W8210191 W8210047	W8210203 W8210059	W8210215 W8210071	W8210571.XX W8210523.XX	W8210227 W8210119	W8210239 W8210131	W8210251 W8210143	W8210583.XX W8210547.XX
48CZ 56C	W8210192 W8210048	W8210204 W8210060	W8210216 W8210072	W8210572.XX W8210524.XX	W8210228 W8210120	W8210240 W8210132	W8210252 W8210144	W8210584.XX W8210548.XX

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



# SINGLE REDUCTION MAXIMUM RATING TABLES

824 SERIES • ALL STOCK STYLES



# OHIO GEAR™

Style B





Style H



## 824 Series

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
<b>5</b>	1750	350	3.89	3.63	653	<b>W8240001</b>	<b>W8240013</b>	<b>W8240025</b>	<b>W8240501.XX</b>
	1150	230	3.34	3.08	829				
	850	170	2.84	2.59	937				
	100	20	0.49	0.41	1286				
<b>7.5</b>	1750	233	3.47	3.20	863	<b>W8240002</b>	<b>W8240014</b>	<b>W8240026</b>	<b>W8240502.XX</b>
	1150	153	2.87	2.61	1053				
	850	113	2.40	2.15	1168				
	100	13	0.39	0.32	1523				
<b>10</b>	1750	175	3.13	2.75	992	<b>W8240003</b>	<b>W8240015</b>	<b>W8240027</b>	<b>W8240503.XX</b>
	1150	115	2.55	2.16	1182				
	850	85	2.12	1.74	1291				
	100	10	0.33	0.26	1607				
<b>15</b>	1750	117	2.33	1.99	1076	<b>W8240004</b>	<b>W8240016</b>	<b>W8240028</b>	<b>W8240504.XX</b>
	1150	77	1.90	1.55	1276				
	850	57	1.59	1.25	1389				
	100	6.7	0.25	0.18	1718				
<b>20</b>	1750	88	1.85	1.53	1101	<b>W8240005</b>	<b>W8240017</b>	<b>W8240029</b>	<b>W8240505.XX</b>
	1150	58	1.51	1.19	1299				
	850	43	1.27	0.95	1412				
	100	5	0.21	0.14	1737				
<b>25</b>	1750	70	1.56	1.21	1087	<b>W8240006</b>	<b>W8240018</b>	<b>W8240030</b>	<b>W8240506.XX</b>
	1150	46	1.18	0.93	1279				
	850	34	1.04	0.76	1379				
	100	4	0.16	0.11	1698				
<b>30</b>	1750	58	1.33	1.03	1113	<b>W8240007</b>	<b>W8240019</b>	<b>W8240031</b>	<b>W8240507.XX</b>
	1150	38	1.10	0.80	1314				
	850	28	0.93	0.64	1428				
	100	3.3	0.16	0.09	1758				
<b>40</b>	1750	44	1.05	0.76	1101	<b>W8240008</b>	<b>W8240020</b>	<b>W8240032</b>	<b>W8240508.XX</b>
	1150	29	0.88	0.59	1297				
	850	21	0.74	0.47	1407				
	100	2.5	0.13	0.07	1726				
<b>50</b>	1750	35	0.86	0.59	1065	<b>W8240009</b>	<b>W8240021</b>	<b>W8240033</b>	<b>W8240509.XX</b>
	1150	23	0.72	0.45	1245				
	850	17	0.62	0.36	1347				
	100	2	0.11	0.05	1638				
<b>60</b>	1750	29	0.72	0.47	1007	<b>W8240010</b>	<b>W8240022</b>	<b>W8240034</b>	<b>W8240510.XX</b>
	1150	19	0.57	0.36	1173				
	850	14	0.47	0.29	1266				
	100	1.7	0.08	0.04	1531				
<b>80</b>	1750	22	0.46	0.29	830	<b>W8240011</b>	<b>W8240023</b>	<b>W8240035</b>	<b>W8240511.XX</b>
	1150	14	0.37	0.22	946				
	850	11	0.31	0.18	1011				
	100	1.3	0.06	0.02	1202				
<b>100</b>	1750	18	0.30	0.18	648	<b>W8240012</b>	<b>W8240024</b>	<b>W8240036</b>	<b>W8240512.XX</b>
	1150	12	0.25	0.14	735				
	850	9	0.21	0.11	784				
	100	1.0	0.04	0.02	926				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
								
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
143-5TC 182-4TC	W8240073 W8240109	W8240085 W8240121	W8240097 W8240133	W8240525.XX W8240537.XX	W8240181 W8240217	W8240193 W8240229	W8240205 W8240241	W8240561.XX W8240573.XX
143-5TC 182-4TC	W8240074 W8240110	W8240086 W8240122	W8240098 W8240134	W8240526.XX W8240538.XX	W8240182 W8240218	W8240194 W8240230	W8240206 W8240242	W8240562.XX W8240574.XX
143-5TC 182-4TC	W8240075 W8240111	W8240087 W8240123	W8240099 W8240135	W8240527.XX W8240539.XX	W8240183 W8240219	W8240195 W8240231	W8240207 W8240243	W8240563.XX W8240575.XX
56C 143-5TC	W8240040 W8240076	W8240052 W8240088	W8240064 W8240100	W8240516.XX W8240528.XX	W8240148 W8240184	W8240160 W8240196	W8240172 W8240208	W8240552.XX W8240564.XX
56C 143-5TC	W8240041 W8240077	W8240053 W8240089	W8240065 W8240101	W8240517.XX W8240529.XX	W8240149 W8240185	W8240161 W8240197	W8240173 W8240209	W8240553.XX W8240565.XX
56C 143-5TC	W8240042 W8240078	W8240054 W8240090	W8240066 W8240102	W8240518.XX W8240530.XX	W8240150 W8240186	W8240162 W8240198	W8240174 W8240210	W8240554.XX W8240566.XX
56C 143-5TC	W8240043 W8240079	W8240055 W8240091	W8240067 W8240103	W8240519.XX W8240531.XX	W8240151 W8240187	W8240163 W8240199	W8240175 W8240211	W8240555.XX W8240567.XX
56C 143-5TC	W8240044 W8240080	W8240056 W8240092	W8240068 W8240104	W8240520.XX W8240532.XX	W8240152 W8240188	W8240164 W8240200	W8240176 W8240212	W8240556.XX W8240568.XX
56C 143-5TC	W8240045 W8240081	W8240057 W8240093	W8240069 W8240105	W8240521.XX W8240533.XX	W8240153 W8240189	W8240165 W8240201	W8240177 W8240213	W8240557.XX W8240569.XX
56C 143-5TC	W8240046 W8240082	W8240058 W8240094	W8240070 W8240106	W8240522.XX W8240534.XX	W8240154 —	W8240166 —	W8240178 —	W8240558.XX —
56C	W8240047	W8240059	W8240071	W8240523.XX	W8240155	W8240167	W8240179	W8240559.XX
56C	W8240048	W8240060	W8240072	W8240524.XX	W8240156	W8240168	W8240180	W8240560.XX

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



# SINGLE REDUCTION MAXIMUM RATING TABLES

826 SERIES • ALL STOCK STYLES



Style B





Style H



## 826 Series

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
<b>5</b>	1750	350	4.80	4.50	810	<b>W8260001</b>	<b>W8260013</b>	<b>W8260025</b>	<b>W8260501.XX</b>
	1150	230	4.05	3.75	1028				
	850	170	3.47	3.18	1179				
	100	20	0.61	0.51	1617				
<b>7.5</b>	1750	233	4.27	3.95	1068	<b>W8260002</b>	<b>W8260014</b>	<b>W8260026</b>	<b>W8260502.XX</b>
	1150	153	3.58	3.28	1322				
	850	113	3.01	2.72	1477				
	100	13	0.50	0.42	1962				
<b>10</b>	1750	175	3.99	3.65	1315	<b>W8260003</b>	<b>W8260015</b>	<b>W8260027</b>	<b>W8260503.XX</b>
	1150	115	3.26	2.91	1596				
	850	85	2.70	2.37	1758				
	100	10	0.43	0.35	2206				
<b>15</b>	1750	117	3.04	2.64	1427	<b>W8260004</b>	<b>W8260016</b>	<b>W8260028</b>	<b>W8260504.XX</b>
	1150	77	2.46	2.09	1719				
	850	57	2.02	1.70	1886				
	100	6.7	0.31	0.23	2164				
<b>20</b>	1750	88	2.42	2.03	1463	<b>W8260005</b>	<b>W8260017</b>	<b>W8260029</b>	<b>W8260505.XX</b>
	1150	58	1.96	1.60	1757				
	850	43	1.60	1.30	1926				
	100	5	0.26	0.19	2332				
<b>25</b>	1750	70	2.03	1.61	1445	<b>W8260006</b>	<b>W8260018</b>	<b>W8260030</b>	<b>W8260506.XX</b>
	1150	46	1.55	1.24	1704				
	850	34	1.29	1.02	1841				
	100	4	0.21	0.14	2275				
<b>30</b>	1750	58	1.78	1.37	1479	<b>W8260007</b>	<b>W8260019</b>	<b>W8260031</b>	<b>W8260507.XX</b>
	1150	38	1.44	1.08	1773				
	850	28	1.20	0.87	1941				
	100	3.3	0.20	0.12	2292				
<b>40</b>	1750	44	1.39	1.02	1464	<b>W8260008</b>	<b>W8260020</b>	<b>W8260032</b>	<b>W8260508.XX</b>
	1150	29	1.14	0.80	1754				
	850	21	0.95	0.65	1920				
	100	2.5	0.17	0.09	2345				
<b>50</b>	1750	35	1.12	0.79	1416	<b>W8260009</b>	<b>W8260021</b>	<b>W8260033</b>	<b>W8260509.XX</b>
	1150	23	0.93	0.61	1678				
	850	17	0.77	0.49	1826				
	100	2	0.13	0.07	2206				
<b>60</b>	1750	29	0.96	0.62	1343	<b>W8260010</b>	<b>W8260022</b>	<b>W8260034</b>	<b>W8260510.XX</b>
	1150	19	0.77	0.48	1587				
	850	14	0.64	0.39	1726				
	100	1.7	0.11	0.05	2002				
<b>80</b>	1750	22	0.60	0.38	1095	<b>W8260011</b>	<b>W8260023</b>	<b>W8260035</b>	<b>W8260511.XX</b>
	1150	14	0.52	0.29	1284				
	850	11	0.42	0.24	1382				
	100	1.3	0.08	0.03	1695				
<b>100</b>	1750	18	0.40	0.24	856	<b>W8260012</b>	<b>W8260024</b>	<b>W8260036</b>	<b>W8260512.XX</b>
	1150	12	0.35	0.18	996				
	850	9	0.28	0.15	1069				
	100	1.0	0.05	0.02	1299				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
								
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
143-5TC 182-4TC	W8260073 W8260109	W8260085 W8260121	W8260097 W8260133	W8260525.XX W8260537.XX	W8260181 W8260217	W8260193 W8260229	W8260205 W8260241	W8260561.XX W8260573.XX
143-5TC 182-4TC	W8260074 W8260110	W8260086 W8260122	W8260098 W8260134	W8260526.XX W8260538.XX	W8260182 W8260218	W8260194 W8260230	W8260206 W8260242	W8260562.XX W8260574.XX
143-5TC 182-4TC	W8260075 W8260111	W8260087 W8260123	W8260099 W8260135	W8260527.XX W8260539.XX	W8260183 W8260219	W8260195 W8260231	W8260207 W8260243	W8260563.XX W8260575.XX
143-5TC 182-4TC	W8260076 W8260112	W8260088 W8260124	W8260100 W8260136	W8260528.XX W8260540.XX	W8260184 W8260220	W8260196 W8260232	W8260208 W8260244	W8260564.XX W8260576.XX
56C 143-5TC	W8260041 W8260077	W8260053 W8260089	W8260065 W8260101	W8260517.XX W8260529.XX	W8260149 W8260185	W8260161 W8260197	W8260173 W8260209	W8260553.XX W8260565.XX
56C 143-5TC	W8260042 W8260078	W8260054 W8260090	W8260066 W8260102	W8260518.XX W8260530.XX	W8260150 W8260186	W8260162 W8260198	W8260174 W8260210	W8260554.XX W8260566.XX
56C 143-5TC	W8260043 W8260079	W8260055 W8260091	W8260067 W8260103	W8260519.XX W8260531.XX	W8260151 W8260187	W8260163 W8260199	W8260175 W8260211	W8260555.XX W8260567.XX
56C 143-5TC	W8260044 W8260080	W8260056 W8260092	W8260068 W8260104	W8260520.XX W8260532.XX	W8260152 W8260188	W8260164 W8260200	W8260176 W8260212	W8260556.XX W8260568.XX
56C 143-5TC	W8260045 W8260081	W8260057 W8260093	W8260069 W8260105	W8260521.XX W8260533.XX	W8260153 W8260189	W8260165 W8260201	W8260177 W8260213	W8260557.XX W8260569.XX
56C 143-5TC	W8260046 W8260082	W8260058 W8260094	W8260070 W8260106	W8260522.XX W8260534.XX	W8260154 W8260190	W8260166 W8260202	W8260178 W8260214	W8260558.XX W8260570.XX
56C	W8260047	W8260059	W8260071	W8260523.XX	W8260155	W8260167	W8260179	W8260559.XX
56C	W8260048	W8260060	W8260072	W8260524.XX	W8260156	W8260168	W8260180	W8260560.XX

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



**SINGLE REDUCTION  
MAXIMUM RATING TABLES**

830 SERIES • ALL STOCK STYLES



**OHIO GEAR™**

Style B

Style H



**830 Series**

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
<b>5</b>	1750	350	6.68	6.29	1131	<b>W8300001</b>	<b>W8300013</b>	<b>W8300025</b>	<b>W8300501.XX</b>
	1150	230	5.65	5.25	1413				
	850	170	4.95	4.56	1650				
	100	20	0.92	0.78	2454				
<b>7.5</b>	1750	233	6.05	5.62	1519	<b>W8300002</b>	<b>W8300014</b>	<b>W8300026</b>	<b>W8300502.XX</b>
	1150	153	5.21	4.78	1930				
	850	113	4.44	4.02	2185				
	100	13	0.77	0.64	3003				
<b>10</b>	1750	175	5.91	5.32	1915	<b>W8300003</b>	<b>W8300015</b>	<b>W8300027</b>	<b>W8300503.XX</b>
	1150	115	5.17	4.36	2390				
	850	85	4.18	3.66	2650				
	100	10	0.69	0.56	3522				
<b>15</b>	1750	117	4.41	3.86	2085	<b>W8300004</b>	<b>W8300016</b>	<b>W8300028</b>	<b>W8300504.XX</b>
	1150	77	3.64	3.12	2562				
	850	57	3.08	2.60	2822				
	100	6.7	0.52	0.40	3677				
<b>20</b>	1750	88	3.49	2.97	2141	<b>W8300005</b>	<b>W8300017</b>	<b>W8300029</b>	<b>W8300505.XX</b>
	1150	58	3.05	2.41	2640				
	850	43	2.47	2.01	2911				
	100	5	0.43	0.30	3808				
<b>25</b>	1750	70	3.03	2.40	2160	<b>W8300006</b>	<b>W8300018</b>	<b>W8300030</b>	<b>W8300506.XX</b>
	1150	46	2.39	1.93	2643				
	850	34	2.03	1.60	2903				
	100	4	0.35	0.24	3760				
<b>30</b>	1750	58	2.48	2.01	2167	<b>W8300007</b>	<b>W8300019</b>	<b>W8300031</b>	<b>W8300507.XX</b>
	1150	38	2.06	1.61	2648				
	850	28	1.76	1.34	2908				
	100	3.3	0.31	0.20	3762				
<b>40</b>	1750	44	2.05	1.49	2146	<b>W8300008</b>	<b>W8300020</b>	<b>W8300032</b>	<b>W8300508.XX</b>
	1150	29	1.65	1.20	2637				
	850	21	1.42	1.00	2904				
	100	2.5	0.27	0.15	3784				
<b>50</b>	1750	35	1.59	1.16	2085	<b>W8300009</b>	<b>W8300021</b>	<b>W8300033</b>	<b>W8300509.XX</b>
	1150	23	1.34	0.93	2545				
	850	17	1.15	0.77	2793				
	100	2	0.22	0.12	3607				
<b>60</b>	1750	29	1.32	0.92	1980	<b>W8300010</b>	<b>W8300022</b>	<b>W8300034</b>	<b>W8300510.XX</b>
	1150	19	1.12	0.74	2416				
	850	14	1.02	0.61	2651				
	100	1.7	0.19	0.09	3424				
<b>80</b>	1750	22	0.90	0.59	1684	<b>W8300011</b>	<b>W8300023</b>	<b>W8300035</b>	<b>W8300511.XX</b>
	1150	14	0.76	0.46	1996				
	850	11	0.65	0.38	2179				
	100	1.3	0.13	0.05	2731				
<b>100</b>	1750	18	0.60	0.37	1321	<b>W8300012</b>	<b>W8300024</b>	<b>W8300036</b>	<b>W8300512.XX</b>
	1150	12	0.51	0.29	1554				
	850	9	0.44	0.23	1691				
	100	1.0	0.09	0.03	2100				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
182-4TC	W8300109	W8300121	W8300133	W8300537.XX	W8300253	W8300265	W8300277	W8300585.XX
182-4TC	W8300110	W8300122	W8300134	W8300538.XX	W8300254	W8300266	W8300278	W8300586.XX
143-5TC	W8300075	W8300087	W8300099	W8300527.XX	W8300219	W8300231	W8300243	W8300575.XX
182-4TC	W8300111	W8300123	W8300135	W8300539.XX	W8300255	W8300267	W8300279	W8300587.XX
143-5TC	W8300076	W8300088	W8300100	W8300528.XX	W8300220	W8300232	W8300244	W8300576.XX
182-4TC	W8300112	W8300124	W8300136	W8300540.XX	W8300256	W8300268	W8300280	W8300588.XX
143-5TC	W8300077	W8300089	W8300101	W8300529.XX	W8300221	W8300233	W8300245	W8300577.XX
182-4TC	W8300113	W8300125	W8300137	W8300541.XX	W8300257	W8300269	W8300281	W8300589.XX
143-5TC	W8300078	W8300090	W8300102	W8300530.XX	W8300222	W8300234	W8300246	W8300578.XX
182-4TC	W8300114	W8300126	W8300138	W8300542.XX	W8300258	W8300270	W8300282	W8300590.XX
143-5TC	W8300079	W8300091	W8300103	W8300531.XX	W8300223	W8300235	W8300247	W8300579.XX
56C	W8300044	W8300056	W8300068	W8300520.XX	W8300188	W8300200	W8300212	W8300568.XX
143-5TC	W8300080	W8300092	W8300104	W8300532.XX	W8300224	W8300236	W8300248	W8300580.XX
56C	W8300045	W8300057	W8300069	W8300521.XX	W8300189	W8300201	W8300213	W8300569.XX
143-5TC	W8300081	W8300093	W8300105	W8300533.XX	W8300225	W8300237	W8300249	W8300581.XX
56C	W8300046	W8300058	W8300070	W8300522.XX	W8300190	W8300202	W8300214	W8300570.XX
143-5TC	W8300082	W8300094	W8300106	W8300534.XX	W8300226	W8300238	W8300250	W8300582.XX
56C	W8300047	W8300059	W8300071	W8300523.XX	W8300191	W8300203	W8300215	W8300571.XX
143-5TC	W8300083	W8300095	W8300107	W8300535.XX	W8300227	W8300239	W8300251	W8300583.XX
56C	W8300048	W8300060	W8300072	W8300524.XX	W8300192	W8300204	W8300216	W8300572.XX

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



# SINGLE REDUCTION MAXIMUM RATING TABLES

832 SERIES • ALL STOCK STYLES



Style B

Style H



## 832 Series

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
5	1750	350	9.14	8.61	1602	W8320097	W8320101	W8320105	W8320557.XX
	1150	230	7.69	7.17	1995				
	850	170	6.80	6.28	2349				
	100	20	1.29	1.10	3571				
7.5	1750	233	7.84	7.32	1976	W8320098	W8320102	W8320106	W8320558.XX
	1150	153	6.64	6.11	2469				
	850	113	5.76	5.24	2845				
	100	13	1.14	0.95	4075				
10	1750	175	7.03	6.51	2343	W8320001	W8320009	W8320017	W8320501.XX
	1150	115	5.97	5.45	2932				
	850	85	5.06	4.45	3220				
	100	10	0.86	0.69	4372				
15	1750	117	5.28	4.72	2551	W8320002	W8320010	W8320018	W8320502.XX
	1150	77	4.53	3.97	3207				
	850	57	3.77	3.19	3466				
	100	6.7	0.65	0.49	4647				
20	1750	88	4.19	3.66	2633	W8320003	W8320011	W8320019	W8320503.XX
	1150	58	3.48	2.91	3189				
	850	43	3.13	2.45	3542				
	100	5	0.53	0.38	4728				
25	1750	70	3.47	2.95	2658	W8320004	W8320012	W8320020	W8320504.XX
	1150	46	2.91	2.41	3248				
	850	34	2.49	1.97	3567				
	100	4	0.45	0.30	4751				
30	1750	58	3.09	2.39	2578	W8320005	W8320013	W8320021	W8320505.XX
	1150	38	2.50	1.96	3221				
	850	28	2.15	1.65	3573				
	100	3.3	0.40	0.25	4754				
40	1750	44	2.35	1.83	2641	W8320006	W8320014	W8320022	W8320506.XX
	1150	29	2.02	1.51	3251				
	850	21	1.71	1.22	3535				
	100	2.5	0.34	0.19	4698				
50	1750	35	1.91	1.43	2568	W8320007	W8320015	W8320023	W8320507.XX
	1150	23	1.62	1.13	3095				
	850	17	1.41	0.95	3432				
	100	2	0.28	0.15	4558				
60	1750	29	1.57	1.13	2437	W8320008	W8320016	W8320024	W8320508.XX
	1150	19	1.35	0.91	2951				
	850	14	1.19	0.75	3258				
	100	1.7	0.25	0.11	4327				
80	1750	22	1.05	0.68	1962	W8320099	W8320103	W8320107	W8320559.XX
	1150	14	0.90	0.55	2413				
	850	11	0.79	0.46	2657				
	100	1.3	0.16	0.07	3464				
100	1750	18	0.71	0.43	1546	W8320100	W8320104	W8320108	W8320560.XX
	1150	12	0.61	0.34	1885				
	850	9	0.53	0.29	2068				
	100	1.0	0.11	0.04	2666				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code



	Style BM			Style HM	Style BMQ			Style HMQ
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
182-4TC 213-5TC	W8320205 W8320217	W8320209 W8320229	W8320213 W8320241	W8320569.XX W8320573.XX	W8320277 W8320289	W8320281 W8320301	W8320285 W8320313	W8320593.XX W8320597.XX
182-4TC 213-5TC	W8320206 W8320218	W8320210 W8320230	W8320214 W8320242	W8320570.XX W8320574.XX	W8320278 W8320290	W8320282 W8320302	W8320286 W8320314	W8320594.XX W8320598.XX
143-5TC 182-4TC	W8320049 W8320073	W8320057 W8320081	W8320065 W8320089	W8320517.XX W8320525.XX	W8320145 W8320169	W8320153 W8320177	W8320161 W8320185	W8320541.XX W8320549.XX
143-5TC 182-4TC	W8320050 W8320074	W8320058 W8320082	W8320066 W8320090	W8320518.XX W8320526.XX	W8320146 W8320170	W8320154 W8320178	W8320162 W8320186	W8320542.XX W8320550.XX
143-5TC 182-4TC	W8320051 W8320075	W8320059 W8320083	W8320067 W8320091	W8320519.XX W8320527.XX	W8320147 W8320171	W8320155 W8320179	W8320163 W8320187	W8320543.XX W8320551.XX
143-5TC 182-4TC	W8320052 W8320076	W8320060 W8320084	W8320068 W8320092	W8320520.XX W8320528.XX	W8320148 W8320172	W8320156 W8320180	W8320164 W8320188	W8320544.XX W8320552.XX
143-5TC 182-4TC	W8320053 W8320077	W8320061 W8320085	W8320069 W8320093	W8320521.XX W8320529.XX	W8320149 W8320173	W8320157 W8320181	W8320165 W8320189	W8320545.XX W8320553.XX
56C 143-5TC 182-4TC	W8320030 W8320054 W8320078	W8320038 W8320062 W8320086	W8320046 W8320070 W8320094	W8320514.XX W8320522.XX W8320530.XX	W8320126 W8320150 —	W8320134 W8320158 —	W8320142 W8320166 —	W8320538.XX W8320546.XX —
56C 143-5TC 182-4TC	W8320031 W8320055 W8320079	W8320039 W8320063 W8320087	W8320047 W8320071 W8320095	W8320515.XX W8320523.XX W8320531.XX	W8320127 W8320151 —	W8320135 W8320159 —	W8320143 W8320167 —	W8320539.XX W8320547.XX —
56C 143-5TC 182-4TC	W8320032 W8320056 W8320080	W8320040 W8320064 W8320088	W8320048 W8320072 W8320096	W8320516.XX W8320524.XX W8320532.XX	W8320128 W8320152 —	W8320136 W8320160 —	W8320144 W8320168 —	W8320540.XX W8320548.XX —
56C 143-5TC	W8320111 W8320195	W8320115 W8320199	W8320119 W8320203	W8320563.XX W8320567.XX	W8320255 W8320267	W8320259 W8320271	W8320263 W8320275	W8320587.XX W8320591.XX
56C	W8320112	W8320116	W8320120	W8320564.XX	W8320256	W8320260	W8320264	W8320588.XX

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



**SINGLE REDUCTION  
MAXIMUM RATING TABLES**  
842 SERIES • ALL STOCK STYLES



Style B

Style H



**842 Series**

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
<b>5</b>	1750	350	15.55	14.75	2742	<b>W8420001</b>	<b>W8420013</b>	<b>W8420025</b>	<b>W8420501.XX</b>
	1150	230	13.21	12.41	3451				
	850	170	11.63	10.83	4051				
	100	20	2.52	2.16	7043				
<b>7.5</b>	1750	233	14.06	13.24	3574	<b>W8420002</b>	<b>W8420014</b>	<b>W8420026</b>	<b>W8420502.XX</b>
	1150	153	11.74	10.92	4411				
	850	113	10.55	9.72	5279				
	100	13	2.10	1.77	8371				
<b>10</b>	1750	175	12.90	12.04	4332	<b>W8420003</b>	<b>W8420015</b>	<b>W8420027</b>	<b>W8420503.XX</b>
	1150	115	10.92	10.05	5413				
	850	85	9.57	8.72	6311				
	100	10	1.80	1.49	9358				
<b>15</b>	1750	117	9.30	8.43	4553	<b>W8420004</b>	<b>W8420016</b>	<b>W8420028</b>	<b>W8420504.XX</b>
	1150	77	7.92	7.04	5688				
	850	57	6.98	6.11	6637				
	100	6.7	1.35	1.04	9862				
<b>20</b>	1750	88	7.59	6.72	4840	<b>W8420005</b>	<b>W8420017</b>	<b>W8420029</b>	<b>W8420505.XX</b>
	1150	58	6.49	5.62	6050				
	850	43	5.69	4.83	6992				
	100	5	1.10	0.80	10136				
<b>25</b>	1750	70	6.24	5.41	4872	<b>W8420006</b>	<b>W8420018</b>	<b>W8420030</b>	<b>W8420506.XX</b>
	1150	46	5.35	4.52	6082				
	850	34	4.66	3.85	6972				
	100	4	0.90	0.63	9898				
<b>30</b>	1750	58	5.23	4.37	4720	<b>W8420007</b>	<b>W8420019</b>	<b>W8420031</b>	<b>W8420507.XX</b>
	1150	38	4.52	3.65	5899				
	850	28	4.01	3.16	6857				
	100	3.3	0.84	0.53	10092				
<b>40</b>	1750	44	4.20	3.37	4847	<b>W8420008</b>	<b>W8420020</b>	<b>W8420032</b>	<b>W8420508.XX</b>
	1150	29	3.66	2.81	6059				
	850	21	3.24	2.41	6986				
	100	2.5	0.68	0.40	10067				
<b>50</b>	1750	35	3.39	2.61	4704	<b>W8420009</b>	<b>W8420021</b>	<b>W8420033</b>	<b>W8420509.XX</b>
	1150	23	2.97	2.18	5870				
	850	17	2.62	1.86	6717				
	100	2	0.56	0.30	9497				
<b>60</b>	1750	29	2.70	2.00	4322	<b>W8420010</b>	<b>W8420022</b>	<b>W8420034</b>	<b>W8420510.XX</b>
	1150	19	2.44	1.72	5555				
	850	14	2.16	1.46	6326				
	100	1.7	0.46	0.23	8828				
<b>80</b>	1750	22	1.79	1.26	3620	<b>W8420011</b>	<b>W8420023</b>	<b>W8420035</b>	<b>W8420511.XX</b>
	1150	14	1.59	1.05	4519				
	850	11	1.39	0.88	5068				
	100	1.3	0.29	0.14	6804				
<b>100</b>	1750	18	1.20	0.79	2852	<b>W8420012</b>	<b>W8420024</b>	<b>W8420036</b>	<b>W8420512.XX</b>
	1150	12	1.06	0.66	3527				
	850	9	0.93	0.54	3937				
	100	1.0	0.20	0.08	5219				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
182-4TC 213-5TC 254-6TC	W8420109 W8420145 W8420181	W8420121 W8420157 W8420193	W8420133 W8420169 W8420205	W8420537.XX W8420549.XX W8420561.XX	W8420289 W8420325 W8420361	W8420301 W8420337 W8420373	W8420313 W8420349 W8420385	W8420597.XX W8420609.XX W8420621.XX
182-4TC 213-5TC	W8420110 W8420146	W8420122 W8420158	W8420134 W8420170	W8420538.XX W8420550.XX	W8420290 W8420326	W8420302 W8420338	W8420314 W8420350	W8420598.XX W8420610.XX
182-4TC 213-5TC	W8420111 W8420147	W8420123 W8420159	W8420135 W8420171	W8420539.XX W8420551.XX	W8420291 W8420327	W8420303 W8420339	W8420315 W8420351	W8420599.XX W8420611.XX
182-4TC 213-5TC	W8420112 W8420148	W8420124 W8420160	W8420136 W8420172	W8420540.XX W8420552.XX	W8420292 W8420328	W8420304 W8420340	W8420316 W8420352	W8420600.XX W8420612.XX
182-4TC 213-5TC	W8420113 W8420149	W8420125 W8420161	W8420137 W8420173	W8420541.XX W8420553.XX	W8420293 W8420329	W8420305 W8420341	W8420317 W8420353	W8420601.XX W8420613.XX
143-5TC 182-4TC	W8420078 W8420114	W8420090 W8420126	W8420102 W8420138	W8420530.XX W8420542.XX	W8420258 W8420294	W8420270 W8420306	W8420282 W8420318	W8420590.XX W8420602.XX
143-5TC 182-4TC	W8420079 W8420115	W8420091 W8420127	W8420103 W8420139	W8420531.XX W8420543.XX	W8420259 W8420295	W8420271 W8420307	W8420283 W8420319	W8420591.XX W8420603.XX
143-5TC 182-4TC	W8420080 W8420116	W8420092 W8420128	W8420104 W8420140	W8420532.XX W8420544.XX	W8420260 W8420296	W8420272 W8420308	W8420284 W8420320	W8420592.XX W8420604.XX
143-5TC 182-4TC	W8420081 W8420117	W8420093 W8420129	W8420105 W8420141	W8420533.XX W8420545.XX	W8420261 W8420297	W8420273 W8420309	W8420285 W8420321	W8420593.XX W8420605.XX
56C 143-5TC	W8420046 W8420082	W8420058 W8420094	W8420070 W8420106	W8420522.XX W8420534.XX	W8420226 W8420262	W8420238 W8420274	W8420250 W8420286	W8420582.XX W8420594.XX
56C 143-5TC	W8420047 W8420083	W8420059 W8420095	W8420071 W8420107	W8420523.XX W8420535.XX	W8420227 W8420263	W8420239 W8420275	W8420251 W8420287	W8420583.XX W8420595.XX
56C 143-5TC	W8420048 W8420084	W8420060 W8420096	W8420072 W8420108	W8420524.XX W8420536.XX	W8420228 W8420264	W8420240 W8420276	W8420252 W8420288	W8420584.XX W8420596.XX

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



**SINGLE REDUCTION  
MAXIMUM RATING TABLES**

852 SERIES • ALL STOCK STYLES



Style B

Style H



**852 Series**

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
<b>5</b>	1750	350	28.17	26.85	4953	<b>W8520085</b>	<b>W8520090</b>	<b>W8520095</b>	<b>W8520501.XX</b>
	1150	230	23.90	22.59	6233				
	850	170	21.21	19.90	7382				
	100	20	5.49	4.77	14009				
<b>7.5</b>	1750	233	24.01	22.69	6125	<b>W8520086</b>	<b>W8520091</b>	<b>W8520096</b>	<b>W8520502.XX</b>
	1150	153	20.41	19.09	7709				
	850	113	17.88	16.56	8995				
	100	13	4.08	3.46	16323				
<b>10</b>	1750	175	19.40	18.08	6508	<b>W8520001</b>	<b>W8520008</b>	<b>W8520015</b>	<b>W8520503.XX</b>
	1150	115	16.54	15.21	8190				
	850	85	14.55	13.23	9578				
	100	10	3.34	2.72	17142				
<b>15</b>	1750	117	14.34	13.98	7012	<b>W8520002</b>	<b>W8520009</b>	<b>W8520016</b>	<b>W8520504.XX</b>
	1150	77	12.29	10.93	8824				
	850	57	10.89	9.52	10341				
	100	6.7	2.56	1.93	18228				
<b>20</b>	1750	88	11.32	9.96	7174	<b>W8520003</b>	<b>W8520010</b>	<b>W8520017</b>	<b>W8520505.XX</b>
	1150	58	9.75	8.38	9028				
	850	43	8.68	7.31	10587				
	100	5	2.10	1.47	18561				
<b>25</b>	1750	70	9.38	8.02	7221	<b>W8520087</b>	<b>W8520092</b>	<b>W8520097</b>	<b>W8520506.XX</b>
	1150	46	8.12	6.75	9088				
	850	34	7.26	5.89	10660				
	100	4	1.81	1.18	18641				
<b>30</b>	1750	58	8.04	6.70	7235	<b>W8520004</b>	<b>W8520011</b>	<b>W8520018</b>	<b>W8520507.XX</b>
	1150	38	7.00	5.64	9104				
	850	28	6.28	4.92	10681				
	100	3.3	1.61	0.99	18653				
<b>40</b>	1750	44	6.29	4.97	7159	<b>W8520005</b>	<b>W8520012</b>	<b>W8520019</b>	<b>W8520508.XX</b>
	1150	29	5.52	4.18	9009				
	850	21	4.99	3.65	10571				
	100	2.5	1.34	0.73	18434				
<b>50</b>	1750	35	5.14	3.86	6950	<b>W8520006</b>	<b>W8520013</b>	<b>W8520020</b>	<b>W8520509.XX</b>
	1150	23	4.54	3.25	8746				
	850	17	4.14	2.83	10263				
	100	2	1.16	0.57	17886				
<b>60</b>	1750	29	4.27	3.06	6598	<b>W8520007</b>	<b>W8520014</b>	<b>W8520021</b>	<b>W8520510.XX</b>
	1150	19	3.80	2.57	8304				
	850	14	3.48	2.24	9744				
	100	1.7	1.01	0.45	16976				
<b>80</b>	1750	22	2.91	1.90	5478	<b>W8520088</b>	<b>W8520093</b>	<b>W8520098</b>	<b>W8520511.XX</b>
	1150	14	2.62	1.60	6894				
	850	11	2.42	1.40	8090				
	100	1.3	0.74	0.28	14089				
<b>100</b>	1750	18	2.07	1.29	4646	<b>W8520089</b>	<b>W8520094</b>	<b>W8520099</b>	<b>W8520512.XX</b>
	1150	12	1.82	1.05	5663				
	850	9	1.75	0.95	6879				
	100	1.0	0.52	0.18	11331				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
213-5TC 254-6TC	W8520187 W8520202	W8520192 W8520207	W8520197 W8520212	W8520549.XX W8520561.XX	W8520325 W8520361	W8520337 W8520373	W8520349 W8520385	W8520609.XX W8520621.XX
213-5TC 254-6TC	W8520188 W8520203	W8520193 W8520208	W8520198 W8520213	W8520550.XX W8520562.XX	W8520326 W8520362	W8520338 W8520374	W8520350 W8520386	W8520610.XX W8520622.XX
213-5TC 254-6TC	W8520043 W8520064	W8520050 W8520071	W8520057 W8520078	W8520551.XX W8520563.XX	W8520327 W8520363	W8520339 W8520375	W8520351 W8520387	W8520611.XX W8520623.XX
213-5TC 254-6TC	W8520044 W8520065	W8520051 W8520072	W8520058 W8520079	W8520552.XX W8520564.XX	W8520328 W8520364	W8520340 W8520376	W8520352 W8520388	W8520612.XX W8520624.XX
182-4TC 213-5TC	W8520024 W8520045	W8520031 W8520052	W8520038 W8520059	W8520541.XX W8520553.XX	W8520293 W8520329	W8520305 W8520341	W8520317 W8520353	W8520601.XX W8520613.XX
182-4TC 213-5TC	W8520174 W8520189	W8520179 W8520194	W8520184 W8520199	W8520542.XX W8520554.XX	W8520294 W8520330	W8520306 W8520342	W8520318 W8520354	W8520602.XX W8520614.XX
182-4TC 213-5TC	W8520025 W8520046	W8520032 W8520053	W8520039 W8520060	W8520543.XX W8520555.XX	W8520295 W8520331	W8520307 W8520343	W8520319 W8520355	W8520603.XX W8520615.XX
143-5TC 182-4TC	W8520143 W8520026	W8520155 W8520033	W8520167 W8520040	W8520532.XX W8520544.XX	W8520260 W8520296	W8520272 W8520308	W8520284 W8520320	W8520592.XX W8520604.XX
143-5TC 182-4TC	W8520144 W8520027	W8520156 W8520034	W8520168 W8520041	W8520533.XX W8520545.XX	W8520261 W8520297	W8520273 W8520309	W8520285 W8520321	W8520593.XX W8520605.XX
143-5TC 182-4TC	W8520145 W8520028	W8520157 W8520035	W8520169 W8520042	W8520534.XX W8520546.XX	W8520262 W8520298	W8520274 W8520310	W8520286 W8520322	W8520594.XX W8520606.XX
143-5TC 182-4TC	W8520146 W8520175	W8520158 W8520180	W8520170 W8520185	W8520535.XX W8520547.XX	W8520263 W8520299	W8520275 W8520311	W8520287 W8520323	W8520595.XX W8520607.XX
143-5TC	W8520147	W8520159	W8520171	W8520536.XX	W8520264	W8520276	W8520288	W8520596.XX

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



# SINGLE REDUCTION MAXIMUM RATING TABLES

860 SERIES • ALL STOCK STYLES



Style B





Style H



## 860 Series

Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
<b>5</b>	1750	350	35.04	33.49	6028	<b>W8600085</b>	<b>W8600090</b>	<b>W8600095</b>	<b>W8600501.XX</b>
	1150	230	29.70	28.17	7585				
	850	170	26.34	24.81	8984				
	100	20	6.70	5.85	18412				
<b>7.5</b>	1750	233	29.39	27.85	7520	<b>W8600086</b>	<b>W8600091</b>	<b>W8600096</b>	<b>W8600502.XX</b>
	1150	153	24.96	23.43	9493				
	850	113	21.42	19.93	10825				
	100	13	5.31	4.53	21388				
<b>10</b>	1750	175	23.99	22.44	8080	<b>W8600001</b>	<b>W8600008</b>	<b>W8600015</b>	<b>W8600503.XX</b>
	1150	115	20.43	18.88	10168				
	850	85	17.68	16.16	11703				
	100	10	4.37	3.59	22615				
<b>15</b>	1750	117	17.62	16.05	8664	<b>W8600002</b>	<b>W8600009</b>	<b>W8600016</b>	<b>W8600504.XX</b>
	1150	77	15.08	13.50	10904				
	850	57	13.16	11.60	12597				
	100	6.7	3.33	2.54	23987				
<b>20</b>	1750	88	13.96	12.38	8912	<b>W8600003</b>	<b>W8600010</b>	<b>W8600017</b>	<b>W8600505.XX</b>
	1150	58	12.00	10.41	11215				
	850	43	10.54	8.97	12985				
	100	5	2.73	1.94	24498				
<b>25</b>	1750	70	11.54	9.97	8971	<b>W8600087</b>	<b>W8600092</b>	<b>W8600097</b>	<b>W8600506.XX</b>
	1150	46	9.97	8.39	11290				
	850	34	8.79	7.23	13080				
	100	4	2.35	1.56	24605				
<b>30</b>	1750	58	9.84	8.28	8941	<b>W8600004</b>	<b>W8600011</b>	<b>W8600018</b>	<b>W8600507.XX</b>
	1150	38	8.54	6.97	11252				
	850	28	7.56	6.00	13032				
	100	3.3	2.08	1.30	24551				
<b>40</b>	1750	44	7.71	6.18	8894	<b>W8600005</b>	<b>W8600012</b>	<b>W8600019</b>	<b>W8600508.XX</b>
	1150	29	6.74	5.20	11193				
	850	21	6.02	4.48	12977				
	100	2.5	1.74	0.97	24333				
<b>50</b>	1750	35	6.28	4.80	8635	<b>W8600006</b>	<b>W8600013</b>	<b>W8600020</b>	<b>W8600509.XX</b>
	1150	23	5.53	4.04	10866				
	850	17	4.97	3.48	12601				
	100	2	1.49	0.75	23609				
<b>60</b>	1750	29	5.18	3.78	8155	<b>W8600007</b>	<b>W8600014</b>	<b>W8600021</b>	<b>W8600510.XX</b>
	1150	19	4.59	3.18	10263				
	850	14	4.14	2.74	11894				
	100	1.7	1.30	0.59	22346				
<b>80</b>	1750	22	3.70	2.52	7264	<b>W8600088</b>	<b>W8600093</b>	<b>W8600098</b>	<b>W8600511.XX</b>
	1150	14	3.32	2.12	9142				
	850	11	3.04	1.84	10679				
	100	1.3	0.95	0.38	19249				
<b>100</b>	1750	18	2.57	1.64	5886	<b>W8600089</b>	<b>W8600094</b>	<b>W8600099</b>	<b>W8600512.XX</b>
	1150	12	2.32	1.38	7408				
	850	9	2.15	1.20	8674				
	100	1.0	0.69	0.24	15389				

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
								
NEMA C Input Flange▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
254-6TC	W8600130	W8600135	W8600140	W8600537.XX	W8600289	W8600301	W8600313	W8600597.XX
254-6TC	W8600131	W8600136	W8600141	W8600538.XX	W8600290	W8600302	W8600314	W8600598.XX
213-5TC 254-6TC	W8600043 W8600064	W8600050 W8600071	W8600057 W8600078	W8600527.XX W8600539.XX	W8600255 W8600291	W8600267 W8600303	W8600279 W8600315	W8600587.XX W8600599.XX
213-5TC 254-6TC	W8600044 W8600065	W8600051 W8600072	W8600058 W8600079	W8600528.XX W8600540.XX	W8600256 W8600292	W8600268 W8600304	W8600280 W8600316	W8600588.XX W8600600.XX
182-4TC 213-5TC	W8600024 W8600045	W8600031 W8600052	W8600038 W8600059	W8600517.XX W8600529.XX	W8600221 W8600257	W8600233 W8600269	W8600245 W8600281	W8600577.XX W8600589.XX
182-4TC 213-5TC	W8600102 W8600117	W8600107 W8600122	W8600112 W8600127	W8600518.XX W8600530.XX	W8600222 W8600258	W8600234 W8600270	W8600246 W8600282	W8600578.XX W8600590.XX
182-4TC 213-5TC	W8600025 W8600046	W8600032 W8600053	W8600039 W8600060	W8600519.XX W8600531.XX	W8600223 W8600259	W8600235 W8600271	W8600247 W8600283	W8600579.XX W8600591.XX
182-4TC 213-5TC	W8600026 W8600047	W8600033 W8600054	W8600040 W8600061	W8600520.XX W8600532.XX	W8600224 W8600260	W8600236 W8600272	W8600248 W8600284	W8600580.XX W8600592.XX
182-4TC	W8600027	W8600034	W8600041	W8600521.XX	W8600225	W8600237	W8600249	W8600581.XX
143-5TC 182-4TC	— W8600028	— W8600035	— W8600042	— W8600522.XX	W8600190 W8600226	W8600202 W8600238	W8600214 W8600250	W8600570.XX W8600582.XX
143-5TC 182-4TC	— W8600103	— W8600108	— W8600113	— W8600523.XX	W8600191 W8600227	W8600203 W8600239	W8600215 W8600251	W8600571.XX W8600583.XX
143-5TC 182-4TC	— W8600104	— W8600109	— W8600114	— W8600524.XX	W8600192 —	W8600204 —	W8600216 —	W8600572.XX —

\*Catalog numbers are for hollow output shafts. Refer to page 35 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



**SINGLE REDUCTION  
WEIGHTS**



**SINGLE REDUCTION • APPROXIMATE WEIGHTS<sup>Δ</sup> (LBS.)**

Reducer Style	Reducer Size										
	813	815	818	821	824	826	830	832	842	852	860
<b>Solid Output Shaft</b>											
BMQ	17	22	24	30	46	59	80	83	146	247	344
BM	21	27	29	34	47	60	91	94	154	254	361
B	14	20	22	27	38	51	76	79	136	232	321
TMQ & UMQ	19	24	26	33	54	69	96	99	156	269	364
TM & UM	24	29	32	37	60	70	107	110	164	276	371
T & U	17	22	25	30	46	61	92	95	146	254	341
JMQ	18	24	26	33	49	63	86	89	157	265	-----
JM	22	29	31	37	50	64	97	100	165	272	-----
J	15	22	24	30	41	55	82	85	177	250	-----
VHMQ & VLMQ	20	26	27	48	54	70	94	97	174	282	371
VHM & VLM	25	31	33	42	55	71	105	108	182	289	378
VH & VL	18	24	26	35	46	62	90	93	164	267	348
FMQ	19	24	26	34	56	69	96	99	152	265	356
FM	24	29	32	38	62	71	107	110	166	272	363
F	17	22	25	31	48	61	92	95	148	250	333
BFMQ	23	-----	30	40	56	72	-----	-----	-----	-----	-----
BFM	27	-----	35	44	57	73	-----	-----	-----	-----	-----
BF	20	-----	28	37	48	64	-----	-----	-----	-----	-----
CMQ	19	-----	26	-----	56	-----	-----	-----	-----	-----	-----
CM	24	-----	32	-----	62	-----	-----	-----	-----	-----	-----
C	17	-----	26	-----	56	-----	-----	-----	-----	-----	-----
RMQ	-----	29	31	39	53	76	93	114	166	261	-----
RM	-----	34	36	43	54	77	104	125	174	268	-----
R	-----	27	29	36	46	68	89	110	156	246	-----
<b>Hollow Output Shaft</b>											
HMQ	17	22	25	33	47	57	80	83	146	247	344
HM	21	27	30	37	52	62	91	94	154	254	361
H	14	20	23	28	44	54	76	79	136	222	321
FHMQ	18	24	27	34	52	62	96	99	158	265	356
FHM	22	29	33	40	57	67	107	110	166	272	363
FH	15	22	26	32	49	59	92	95	148	250	333
BFHMQ	23	-----	31	-----	43	57	70	-----	-----	-----	-----
BFHM	27	-----	36	-----	47	62	75	-----	-----	-----	-----
BFH	20	-----	29	-----	38	54	67	-----	-----	-----	-----

<sup>Δ</sup> Weights include oil.

**REDUCER ACCESSORIES • APPROXIMATE WEIGHTS (LBS.)**


Accessory	Reducer Size										
	813	815	818	821	824	826	830	832	842	852	860
T/U	3	3	3	3	8	10	16	16	18	22	31
J	1	2	2	3	3	4	6	6	11	18	--
VL/VH	4	4	4	8	8	11	14	14	28	36	36
F (Cast Iron)	1	2	3	4	5	5	16	16	12	28	12
BF (Steel)	2	--	4	4	7	9	--	--	--	--	--
R	--	7	7	9	9	17	15	31	24	15	--





**HOLLOW SHAFT BORE SIZES (Inches)\***

Fraction Size	Decimal Size	Output Bore Code	813	815	818	821	824	826	830	832	842	852	860	Keyway**
5/8	0.625	10												3/16 x 3/32
11/16	0.688	11												3/16 x 3/32
3/4	0.750	12												3/16 x 3/32
7/8	0.875	14												3/16 x 3/32
1	1.000	16												1/4 x 1/8
1-1/8	1.125	18												1/4 x 1/8
1-3/16	1.188	19												1/4 x 1/8
1-1/4	1.250	20												1/4 x 1/8
1-7/16	1.438	23												3/8 x 3/16
1-1/2	1.500	24												3/8 x 3/16
1-5/8	1.625	26												3/8 x 3/16
1-11/16	1.688	27												3/8 x 3/16
1-3/4	1.750	28												3/8 x 3/16
1-7/8	1.875	30												1/2 x 1/4
1-15/16	1.938	31												1/2 x 1/4
2	2.000	32												1/2 x 1/4
2-3/16	2.188	35												1/2 x 1/4
2-1/4	2.250	36												1/2 x 1/4
2-7/16	2.438	39												5/8 x 5/16
2-1/2	2.500	40												5/8 x 5/16
2-11/16	2.688	43												5/8 x 5/16
2-15/16	2.938	47												3/4 x 3/8
3	3.000	48												3/4 x 3/8
3-3/16	3.188	51												3/4 x 3/8
3-7/16	3.438	55												7/8 x 7/16

 Stock Bore Sizes.

\* Other bore sizes are available. Contact LEESON for sizes and availability.

\*\* Dimensions refer to customer driven shaft.

NOTE: Specify the required bore size when ordering. The suffix "XX" can be substituted with the bore code from table above. Refer to page 10 for complete model number description.