

MAXIMUM RATING TABLES

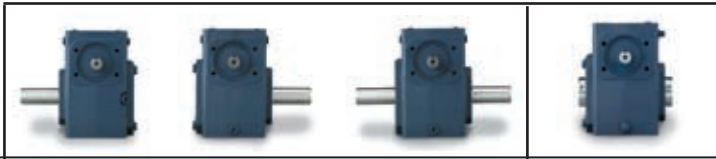
SIZE 824 • GR, NH, EL SERIES



Size 824

Style B

Style H



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	2500	500.0	6.322	5.950	750	__8240001	__8240013	__8240025	__8240501.XX
	1750	350.0	5.323	4.985	898				
	1170	234.0	4.280	3.976	1071				
	100	20.0	0.655	0.489	1540				
7.5	2500	333.3	4.739	4.401	832	__8240002	__8240014	__8240026	__8240502.XX
	1750	233.3	3.992	3.685	995				
	1170	156.0	3.204	2.929	1183				
	100	13.3	0.502	0.357	1689				
10	2500	250.0	4.199	3.862	974	__8240003	__8240015	__8240027	__8240503.XX
	1750	175.0	3.564	3.253	1172				
	1170	117.0	2.808	2.531	1364				
	100	10.0	0.442	0.295	1857				
15	2500	166.7	3.268	2.913	1102	__8240004	__8240016	__8240028	__8240504.XX
	1750	116.7	2.765	2.439	1318				
	1170	78.0	2.178	1.888	1526				
	100	6.7	0.369	0.217	2056				
20	2500	125.0	2.750	2.365	1192	__8240005	__8240017	__8240029	__8240505.XX
	1750	87.5	2.326	1.972	1421				
	1170	58.5	1.835	1.522	1640				
	100	5.0	0.337	0.174	2193				
25	2500	100.0	2.335	1.949	1228	__8240006	__8240018	__8240030	__8240506.XX
	1750	70.0	1.967	1.615	1454				
	1170	46.8	1.551	1.239	1669				
	100	4.0	0.302	0.140	2205				
30	2500	83.3	1.945	1.579	1194	__8240007	__8240019	__8240031	__8240507.XX
	1750	58.3	1.653	1.317	1423				
	1170	39.0	1.314	1.016	1642				
	100	3.3	0.270	0.116	2197				
40	2500	62.5	1.574	1.195	1205	__8240008	__8240020	__8240032	__8240508.XX
	1750	43.8	1.342	0.994	1433				
	1170	29.3	1.074	0.766	1650				
	100	2.5	0.245	0.087	2198				
50	2500	50.0	1.335	0.961	1211	__8240009	__8240021	__8240033	__8240509.XX
	1750	35.0	1.137	0.795	1432				
	1170	23.4	0.911	0.609	1641				
	100	2.0	0.224	0.069	2163				
60	2500	41.7	1.149	0.806	1219	__8240010	__8240022	__8240034	__8240510.XX
	1750	29.2	0.967	0.656	1418				
	1170	19.5	0.770	0.496	1604				
	100	1.7	0.197	0.054	2054				
80	2500	31.3	0.520	0.348	701	__8240011	__8240023	__8240035	__8240511.XX
	1750	21.9	0.455	0.288	830				
	1170	14.6	0.370	0.219	946				
	100	1.3	0.056	0.024	1202				
100	2500	25.0	0.351	0.219	551	__8240012	__8240024	__8240036	__8240512.XX
	1750	17.5	0.307	0.180	648				
	1170	11.7	0.251	0.136	735				
	100	1.0	0.039	0.015	926				

How To Build a Part Number For Size GR824, NH824, EL824

1. Select partial catalog number from the selection table
2. Replace leading “__” with series code (GR, NH, EL)
3. For hollow output, replace “XX” suffix with bore code (see next page for codes)

Example:

Grove Gear IRONMAN, style B, 5:1 ratio, left hand output
 GR-B824-5-L
 GR8240001

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.*	Ratio
143-5TC 182-4TC	8240073 8240109	8240085 8240121	8240097 8240133	8240525.XX 8240537.XX	8240181 8240217	8240193 8240229	8240205 8240241	8240561.XX 8240573.XX	5
143-5TC 182-4TC	8240074 8240110	8240086 8240122	8240098 8240134	8240526.XX 8240538.XX	8240182 8240218	8240194 8240230	8240206 8240242	8240562.XX 8240574.XX	7.5
143-5TC 182-4TC	8240075 8240111	8240087 8240123	8240099 8240135	8240527.XX 8240539.XX	8240183 8240219	8240195 8240231	8240207 8240243	8240563.XX 8240575.XX	10
56C 143-5TC	8240040 8240076	8240052 8240088	8240064 8240100	8240516.XX 8240528.XX	8240148 8240184	8240160 8240196	8240172 8240208	8240552.XX 8240564.XX	15
56C 143-5TC	8240041 8240077	8240053 8240089	8240065 8240101	8240517.XX 8240529.XX	8240149 8240185	8240161 8240197	8240173 8240209	8240553.XX 8240565.XX	20
56C 143-5TC	8240042 8240078	8240054 8240090	8240066 8240102	8240518.XX 8240530.XX	8240150 8240186	8240162 8240198	8240174 8240210	8240554.XX 8240566.XX	25
56C 143-5TC	8240043 8240079	8240055 8240091	8240067 8240103	8240519.XX 8240531.XX	8240151 8240187	8240163 8240199	8240175 8240211	8240555.XX 8240567.XX	30
56C 143-5TC	8240044 8240080	8240056 8240092	8240068 8240104	8240520.XX 8240532.XX	8240152 8240188	8240164 8240200	8240176 8240212	8240556.XX 8240568.XX	40
56C 143-5TC	8240045 8240081	8240057 8240093	8240069 8240105	8240521.XX 8240533.XX	8240153 8240189	8240165 8240201	8240177 8240213	8240557.XX 8240569.XX	50
56C 143-5TC	8240046 8240082	8240058 8240094	8240070 8240106	8240522.XX 8240534.XX	8240154 8240190	8240166 8240202	8240178 8240214	8240558.XX 8240570.XX	60
56C	8240047	8240059	8240071	8240523.XX	8240155	8240167	8240179	8240559.XX	80
56C	8240048	8240060	8240072	8240524.XX	8240156	8240168	8240180	8240560.XX	100

▲ Consult Factory for other motor flanges available.
* Catalog numbers are for hollow output shaft reducers.
When ordering, substitute the XX suffix with the required output bore code.

Available bore codes

Fraction Size	1"	1-1/8"	1-3/16"	1-1/4"	1-7/16"	1-1/2"
Decimal Size	1.000	1.125	1.188	1.250	1.438	1.500
Output Bore Code	16	18	19	20	23	24

QUICK REFERENCE

DIMENSIONS

GR SERIES Pages 52-73 **ACCESSORIES** Pages 284-295
NH SERIES Pages 74-93 **OVERHUNG LOADS** Pages 660-662
EL SERIES Pages 94-109