

MAXIMUM RATING TABLES

SIZE 818 • GR, NH, EL SERIES



Style B

Style H



Size 818

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	3.095	2.900	366	__8180001	__8180013	__8180025	__8180501.XX
	1750	350	2.600	2.422	436				
	1170	234	2.066	1.906	513				
	100	20	0.312	0.228	717				
7.5	2500	333	2.307	2.127	402	__8180002	__8180014	__8180026	__8180502.XX
	1750	233	1.909	1.745	471				
	1170	156	1.473	1.328	537				
	100	13	0.227	0.147	697				
10	2500	250	1.996	1.820	459	__8180003	__8180015	__8180027	__8180503.XX
	1750	175	1.625	1.466	528				
	1170	117	1.239	1.099	592				
	100	10	0.196	0.118	744				
15	2500	166	1.485	1.301	492	__8180004	__8180016	__8180028	__8180504.XX
	1750	116	1.224	1.058	571				
	1170	78	0.945	0.799	645				
	100	6.7	0.165	0.087	823				
20	2500	125	1.283	1.093	551	__8180005	__8180017	__8180029	__8180505.XX
	1750	87	1.046	0.875	630				
	1170	58	0.803	0.652	702				
	100	5.0	0.150	0.069	872				
25	2500	100	1.088	0.900	567	__8180006	__8180018	__8180030	__8180506.XX
	1750	70	0.884	0.715	644				
	1170	46	0.678	0.530	713				
	100	4.0	0.135	0.055	874				
30	2500	83	0.892	0.702	531	__8180007	__8180019	__8180031	__8180507.XX
	1750	58	0.741	0.569	614				
	1170	39	0.580	0.428	692				
	100	3.3	0.126	0.047	880				
40	2500	62	0.739	0.551	556	__8180008	__8180020	__8180032	__8180508.XX
	1750	43	0.609	0.440	634				
	1170	29	0.476	0.328	706				
	100	2.5	0.113	0.035	874				
50	2500	50	0.625	0.444	559	__8180009	__8180021	__8180033	__8180509.XX
	1750	35	0.515	0.352	634				
	1170	23	0.404	0.260	701				
	100	2.0	0.103	0.027	857				
60	2500	41	0.542	0.363	550	__8180010	__8180022	__8180034	__8180510.XX
	1750	29	0.449	0.288	623				
	1170	19	0.354	0.213	689				
	100	1.7	0.097	0.022	842				
80	2500	31	0.247	0.156	314	__8180011	__8180023	__8180035	__8180511.XX
	1750	21	0.208	0.124	356				
	1170	14	0.164	0.091	392				
	100	1.3	0.023	0.009	470				
100	2500	25	0.167	0.097	245	__8180012	__8180024	__8180036	__8180512.XX
	1750	17	0.141	0.077	277				
	1170	11	0.111	0.057	304				
	100	1.0	0.016	0.006	362				

How To Build a Part Number For Size GR818, NH818 & EL818

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-B818-5-L
 GR8180001

	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
56C 143-5TC	__8180037 __8180073	__8180049 __8180085	__8180061 __8180097	__8180513.XX __8180525.XX	__8180109 __8180145	__8180121 __8180157	__8180133 __8180169	__8180537.XX __8180549.XX	5
56C 143-5TC	__8180038 __8180074	__8180050 __8180086	__8180062 __8180098	__8180514.XX __8180526.XX	__8180110 __8180146	__8180122 __8180158	__8180134 __8180170	__8180538.XX __8180550.XX	7.5
56C 143-5TC	__8180039 __8180075	__8180051 __8180087	__8180063 __8180099	__8180515.XX __8180527.XX	__8180111 __8180147	__8180123 __8180159	__8180135 __8180171	__8180539.XX __8180551.XX	10
56C 143-5TC	__8180040 __8180076	__8180052 __8180088	__8180064 __8180100	__8180516.XX __8180528.XX	__8180112 __8180148	__8180124 __8180160	__8180136 __8180172	__8180540.XX __8180552.XX	15
56C 143-5TC	__8180041 __8180077	__8180053 __8180089	__8180065 __8180101	__8180517.XX __8180529.XX	__8180113 __8180149	__8180125 __8180161	__8180137 __8180173	__8180541.XX __8180553.XX	20
56C 143-5TC	__8180042 __8180078	__8180054 __8180090	__8180066 __8180102	__8180518.XX __8180530.XX	__8180114 __8180150	__8180126 __8180162	__8180138 __8180174	__8180542.XX __8180554.XX	25
56C 143-5TC	__8180043 __8180079	__8180055 __8180091	__8180067 __8180103	__8180519.XX __8180531.XX	__8180115 __8180151	__8180127 __8180163	__8180139 __8180175	__8180543.XX __8180555.XX	30
48CZ 56C 143-5TC	__8180188 __8180044 __8180080	__8180200 __8180056 __8180092	__8180212 __8180068 __8180104	__8180568.XX __8180520.XX __8180532.XX	__8180224 __8180116 __8180152	__8180236 __8180128 __8180164	__8180248 __8180140 __8180176	__8180580.XX __8180544.XX __8180556.XX	40
48CZ 56C 143-5TC	__8180189 __8180045 __8180081	__8180201 __8180057 __8180093	__8180213 __8180069 __8180105	__8180569.XX __8180521.XX __8180533.XX	__8180225 __8180117 __8180153	__8180237 __8180129 __8180165	__8180249 __8180141 __8180177	__8180581.XX __8180545.XX __8180557.XX	50
48CZ 56C 143-5TC	__8180190 __8180046 __8180082	__8180202 __8180058 __8180094	__8180214 __8180070 __8180106	__8180570.XX __8180522.XX __8180534.XX	__8180226 __8180118 __8180154	__8180238 __8180130 __8180166	__8180250 __8180142 __8180178	__8180582.XX __8180546.XX __8180558.XX	60
48CZ 56C	__8180191 __8180047	__8180203 __8180059	__8180215 __8180071	__8180571.XX __8180523.XX	__8180227 __8180119	__8180239 __8180131	__8180251 __8180143	__8180583.XX __8180547.XX	80
48CZ 56C	__8180192 __8180048	__8180204 __8180060	__8180216 __8180072	__8180572.XX __8180524.XX	__8180228 __8180120	__8180240 __8180132	__8180252 __8180144	__8180584.XX __8180548.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	5/8"	11/16"	3/4"	7/8"	1"
Decimal Size	0.625	0.688	0.750	0.875	1.000
Output Bore Code	10	11	12	14	16

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