

Maximum Rating Tables

Size 860 • GR & EL Series

CAST IRON
GR SERIES
ALUMINUM
EL SERIES

Style B

Style H



Size 860





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	39.83	38.29	4827				
	1750	350	35.10	33.70	6068				
	1170	234	29.94	28.69	7726				
	100	20	6.203	5.581	17587	__8600085	__8600090	__8600095	__8600501.XX
7.5	2500	333	34.20	32.60	6163				
	1750	233	29.98	28.52	7704				
	1170	156	25.41	24.11	9740	__8600086	__8600091	__8600096	__8600502.XX
	100	13	5.018	4.371	20662				
10	2500	250	28.53	26.90	6782				
	1750	175	24.99	23.51	8467				
	1170	117	21.17	19.84	10687	__8600001	__8600008	__8600015	__8600503.XX
	100	10	4.198	3.542	22324				
15	2500	166	21.95	20.17	7628				
	1750	116	19.23	17.61	9515				
	1170	78	16.30	14.85	11996	__8600002	__8600009	__8600016	__8600504.XX
	100	6.7	3.337	2.623	24797				
20	2500	125	17.93	16.11	8123				
	1750	87	15.71	14.06	10127				
	1170	58	13.32	11.84	12758	__8600003	__8600010	__8600017	__8600505.XX
	100	5.0	2.805	2.078	26194				
25	2500	100	14.89	13.04	8219				
	1750	70	13.06	11.378	10245				
	1170	46	11.094	9.582	12903	__8600087	__8600092	__8600097	__8600506.XX
	100	4.0	2.418	1.678	26436				
30	2500	83	12.73	10.87	8222				
	1750	58	11.177	9.486	10249				
	1170	39	9.507	7.989	12911	__8600004	__8600011	__8600018	__8600507.XX
	100	3.3	2.143	1.400	26480				
40	2500	62	9.922	8.119	8187				
	1750	43	8.722	7.083	10203				
	1170	29	7.433	5.963	12848	__8600005	__8600012	__8600019	__8600508.XX
	100	2.5	1.761	1.042	26260				
50	2500	50	8.226	6.417	8088				
	1750	35	7.242	5.597	10079				
	1170	23	6.188	4.712	12691	__8600006	__8600013	__8600020	__8600509.XX
	100	2.0	1.544	0.823	25925				
60	2500	41	6.977	5.202	7869				
	1750	29	6.152	4.539	9808				
	1170	19	5.269	3.822	12352	__8600007	__8600014	__8600021	__8600510.XX
	100	1.7	1.376	0.669	25283				
80	2500	31	4.130	2.939	5962				
	1750	21	3.702	2.522	7264				
	1170	14	3.315	2.122	9142	__8600088	__8600093	__8600098	__8600511.XX
	100	1.3	0.950	0.382	19249				
100	2500	25	2.849	1.905	4802				
	1750	17	2.571	1.635	5886				
	1170	11	2.323	1.376	7408	__8600089	__8600094	__8600099	__8600512.XX
	100	1.0	0.686	0.244	15389				

How To Build a Part Number For Size GR860, EL860

1. Select partial catalog number from the selection table
2. Replace leading “__” with series code (GR, 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-B860-5-L
 GR8600085

	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
254-6TC	__8600130	__8600135	__8600140	__8600537.XX	__8600289	__8600301	__8600313	__8600597.XX	5
254-6TC	__8600131	__8600136	__8600141	__8600538.XX	__8600290	__8600302	__8600314	__8600598.XX	7.5
213-5TC 254-6TC	__8600043 __8600064	__8600050 __8600071	__8600057 __8600078	__8600527.XX __8600539.XX	__8600255 __8600291	__8600267 __8600303	__8600279 __8600315	__8600587.XX __8600599.XX	10
213-5TC 254-6TC	__8600044 __8600065	__8600051 __8600072	__8600058 __8600079	__8600528.XX __8600540.XX	__8600256 __8600292	__8600268 __8600304	__8600280 __8600316	__8600588.XX __8600600.XX	15
182-4TC 213-5TC	__8600024 __8600045	__8600031 __8600052	__8600038 __8600059	__8600517.XX __8600529.XX	__8600221 __8600257	__8600233 __8600269	__8600245 __8600281	__8600577.XX __8600589.XX	20
182-4TC 213-5TC	__8600102 __8600117	__8600107 __8600122	__8600112 __8600127	__8600518.XX __8600530.XX	__8600222 __8600258	__8600234 __8600270	__8600246 __8600282	__8600578.XX __8600590.XX	25
182-4TC 213-5TC	__8600025 __8600046	__8600032 __8600053	__8600039 __8600060	__8600519.XX __8600531.XX	__8600223 __8600259	__8600235 __8600271	__8600247 __8600283	__8600579.XX __8600591.XX	30
182-4TC 213-5TC	__8600026 __8600047	__8600033 __8600054	__8600040 __8600061	__8600520.XX __8600532.XX	__8600224 __8600260	__8600236 __8600272	__8600248 __8600284	__8600580.XX __8600592.XX	40
182-4TC	__8600027	__8600034	__8600041	__8600521.XX	__8600225	__8600237	__8600249	__8600581.XX	50
143-5TC 182-4TC	__8600028	__8600035	__8600042	__8600522.XX	__8600190 __8600226	__8600202 __8600238	__8600214 __8600250	__8600570.XX __8600582.XX	60
143-5TC 182-4TC	__8600103	__8600108	__8600113	__8600523.XX	__8600191 __8600227	__8600203 __8600239	__8600215 __8600251	__8600571.XX __8600583.XX	80
143-5TC 182-4TC	__8600104	__8600109	__8600114	__8600524.XX	__8600192 __8600228	__8600204 __8600240	__8600216 __8600252	__8600572.XX __8600584.XX	100

For input/ output shaft overhung load and thrust load ratings, refer to pages 419-422.

▲ 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	2"	2-3/16"	2-1/4"	2-7/16"	2-1/2"	2-11/16"	2-15/16"	3"	3-3/16"	3-7/16"
Decimal Size	2.000	2.188	2.250	2.438	2.500	2.688	2.938	3.000	3.188	3.438
Output Bore Code	32	35	36	39	40	43	47	48	51	55