

# MAXIMUM RATING TABLES

SIZE 852 • GR, NH & EL SERIES



## Size 852

						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.*
<b>5</b>	2500	500	37.08	35.61	4601	__8520085	__8520090	__8520095	__8520501.XX
	1750	350	32.51	31.17	5753				
	1170	234	27.55	26.35	7276				
	100	20	5.390	4.794	15484				
<b>7.5</b>	2500	333	32.21	30.68	5800	__8520086	__8520091	__8520096	__8520502.XX
	1750	233	28.10	26.70	7213				
	1170	156	23.67	22.42	9058				
	100	13	4.442	3.821	18062				
<b>10</b>	2500	250	26.55	24.99	6300	__8520001	__8520008	__8520015	__8520503.XX
	1750	175	23.15	21.73	7827				
	1170	117	19.50	18.23	9818				
	100	10	3.701	3.073	19367				
<b>15</b>	2500	166	20.77	19.05	7204	__8520002	__8520009	__8520016	__8520504.XX
	1750	116	18.11	16.55	8941				
	1170	78	15.26	13.86	11201				
	100	6.7	2.997	2.309	21826				
<b>20</b>	2500	125	16.69	14.95	7538	__8520003	__8520010	__8520017	__8520505.XX
	1750	87	14.56	12.98	9351				
	1170	58	12.29	10.87	11709				
	100	5.0	2.499	1.802	22716				
<b>25</b>	2500	100	13.95	12.18	7674	__8520087	__8520092	__8520097	__8520506.XX
	1750	70	12.19	10.57	9517				
	1170	46	10.298	8.848	11915				
	100	4.0	2.176	1.464	23068				
<b>30</b>	2500	83	12.056	10.264	7763	__8520004	__8520011	__8520018	__8520507.XX
	1750	58	10.538	8.910	9627				
	1170	39	8.918	7.457	12051				
	100	3.3	1.949	1.233	23305				
<b>40</b>	2500	62	9.258	7.533	7596	__8520005	__8520012	__8520019	__8520508.XX
	1750	43	8.105	6.538	9419				
	1170	29	6.878	5.471	11789				
	100	2.5	1.592	0.903	22772				
<b>50</b>	2500	50	7.727	5.990	7550	__8520006	__8520013	__8520020	__8520509.XX
	1750	35	6.777	5.199	9362				
	1170	23	5.766	4.350	11717				
	100	2.0	1.411	0.718	22622				
<b>60</b>	2500	41	6.621	4.912	7429	__8520007	__8520014	__8520021	__8520510.XX
	1750	29	5.816	4.263	9212				
	1170	19	4.961	3.567	11528				
	100	1.7	1.270	0.588	22251				
<b>80</b>	2500	31	3.226	2.217	4469	__8520088	__8520093	__8520098	__8520511.XX
	1750	21	2.906	1.902	5478				
	1170	14	2.618	1.600	6894				
	100	1.3	0.744	0.280	14089				
<b>100</b>	2500	25	2.285	1.504	3790	__8520089	__8520094	__8520099	__8520512.XX
	1750	17	2.072	1.291	4646				
	1170	11	1.820	1.052	5663				
	100	1.0	0.515	0.180	11331				

### How To Build a Part Number For Size GR852, NH852, EL852

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-B852-5-L  
 GR8520085

NEMA C Input Flange ▲	Style BM			Style HM	Style BMQ			Style HMQ	Ratio
	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	___8520187 ___8520202	___8520192 ___8520207	___8520197 ___8520212	___8520549.XX ___8520561.XX	___8520325 ___8520361	___8520337 ___8520373	___8520349 ___8520385	___8520609.XX ___8520621.XX	<b>5</b>
213-5TC 254-6TC	___8520188 ___8520203	___8520193 ___8520208	___8520198 ___8520213	___8520550.XX ___8520562.XX	___8520326 ___8520362	___8520338 ___8520374	___8520350 ___8520386	___8520610.XX ___8520622.XX	<b>7.5</b>
213-5TC 254-6TC	___8520043 ___8520064	___8520050 ___8520071	___8520057 ___8520078	___8520551.XX ___8520563.XX	___8520327 ___8520363	___8520339 ___8520375	___8520351 ___8520387	___8520611.XX ___8520623.XX	<b>10</b>
213-5TC 254-6TC	___8520044 ___8520065	___8520051 ___8520072	___8520058 ___8520079	___8520552.XX ___8520564.XX	___8520328 ___8520364	___8520340 ___8520376	___8520352 ___8520388	___8520612.XX ___8520624.XX	<b>15</b>
182-4TC 213-5TC 254-6TC	___8520024 ___8520045 ___8520066	___8520031 ___8520052 ___8520073	___8520038 ___8520059 ___8520080	___8520541.XX ___8520553.XX ___8520565.XX	___8520293 ___8520329 ___8520365	___8520305 ___8520341 ___8520377	___8520317 ___8520353 ___8520389	___8520601.XX ___8520613.XX ___8520625.XX	<b>20</b>
182-4TC 213-5TC	___8520174 ___8520189	___8520179 ___8520194	___8520184 ___8520199	___8520542.XX ___8520554.XX	___8520294 ___8520330	___8520306 ___8520342	___8520318 ___8520354	___8520602.XX ___8520614.XX	<b>25</b>
182-4TC 213-5TC	___8520025 ___8520046	___8520032 ___8520053	___8520039 ___8520060	___8520543.XX ___8520555.XX	___8520295 ___8520331	___8520307 ___8520343	___8520319 ___8520355	___8520603.XX ___8520615.XX	<b>30</b>
143-5TC 182-4TC 213-5TC	___8520143 ___8520026 ___8520047	___8520155 ___8520033 ___8520054	___8520167 ___8520040 ___8520061	___8520532.XX ___8520544.XX ___8520556.XX	___8520260 ___8520296 ___8520332	___8520272 ___8520308 ___8520344	___8520284 ___8520320 ___8520356	___8520592.XX ___8520604.XX ___8520616.XX	<b>40</b>
143-5TC 182-4TC	___8520144 ___8520027	___8520156 ___8520034	___8520168 ___8520041	___8520533.XX ___8520545.XX	___8520261 ___8520297	___8520273 ___8520309	___8520285 ___8520321	___8520593.XX ___8520605.XX	<b>50</b>
143-5TC 182-4TC	___8520145 ___8520028	___8520157 ___8520035	___8520169 ___8520042	___8520534.XX ___8520546.XX	___8520262 ___8520298	___8520274 ___8520310	___8520286 ___8520322	___8520594.XX ___8520606.XX	<b>60</b>
143-5TC 182-4TC	___8520146 ___8520175	___8520158 ___8520180	___8520170 ___8520185	___8520535.XX ___8520547.XX	___8520263 ___8520299	___8520275 ___8520311	___8520287 ___8520323	___8520595.XX ___8520607.XX	<b>80</b>
143-5TC 182-4TC	___8520147	___8520159	___8520171	___8520536.XX	___8520264	___8520276	___8520288	___8520596.XX	<b>100</b>

▲ 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

**QUICK REFERENCE**

**DIMENSIONS**

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