

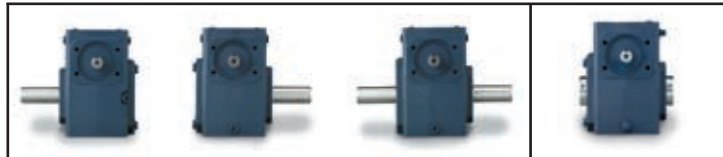
MAXIMUM RATING TABLES

SIZE 821 • GR, NH, EL SERIES



Style B

Style H



Size 821

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	4.305	4.043	510	__8210001	__8210013	__8210025	__8210501.XX
	1750	350	3.653	3.410	614				
	1170	234	2.873	2.657	716				
7.5	100	20	0.433	0.310	977	__8210002	__8210014	__8210026	__8210502.XX
	2500	333	3.300	3.051	577				
	1750	233	2.793	2.562	692				
10	1170	156	2.194	1.989	804	__8210003	__8210015	__8210027	__8210503.XX
	100	13	0.341	0.230	1089				
	2500	250	2.973	2.722	686				
15	1750	175	2.464	2.235	805	__8210004	__8210016	__8210028	__8210504.XX
	1170	117	1.905	1.702	917				
	100	10	0.300	0.189	1192				
20	2500	166	2.284	2.035	769	__8210005	__8210017	__8210029	__8210505.XX
	1750	116	1.887	1.661	897				
	1170	78	1.459	1.259	1017				
25	100	6.7	0.245	0.138	1309	__8210006	__8210018	__8210030	__8210506.XX
	2500	125	1.914	1.642	828				
	1750	87	1.584	1.338	964				
30	1170	58	1.229	1.012	1090	__8210007	__8210019	__8210031	__8210507.XX
	100	5.0	0.226	0.111	1397				
	2500	100	1.623	1.359	857				
40	1750	70	1.333	1.094	985	__8210008	__8210020	__8210032	__8210508.XX
	1170	46	1.030	0.820	1104				
	100	4.0	0.200	0.088	1386				
50	2500	83	1.359	1.102	833	__8210009	__8210021	__8210033	__8210509.XX
	1750	58	1.129	0.896	968				
	1170	39	0.882	0.677	1095				
60	100	3.3	0.181	0.074	1399	__8210010	__8210022	__8210034	__8210510.XX
	2500	62	1.096	0.829	836				
	1750	43	0.916	0.674	971				
80	1170	29	0.722	0.509	1097	__8210011	__8210023	__8210035	__8210511.XX
	100	2.5	0.167	0.056	1401				
	2500	50	0.925	0.670	845				
100	1750	35	0.769	0.539	970	__8210012	__8210024	__8210036	__8210512.XX
	1170	23	0.606	0.403	1086				
	100	2.0	0.149	0.043	1359				
100	2500	41	0.799	0.535	809	__8210012	__8210024	__8210036	__8210512.XX
	1750	29	0.674	0.435	940				
	1170	19	0.539	0.328	1061				
100	100	1.7	0.145	0.036	1354	__8210012	__8210024	__8210036	__8210512.XX
	2500	31	0.357	0.236	476				
	1750	21	0.304	0.190	547				
100	1170	14	0.241	0.141	609	__8210012	__8210024	__8210036	__8210512.XX
	100	1.3	0.034	0.015	743				
	2500	25	0.251	0.150	379				
100	1750	17	0.217	0.122	439	__8210012	__8210024	__8210036	__8210512.XX
	1170	11	0.175	0.091	491				
	100	1.0	0.026	0.010	605				

How To Build a Part Number For Size GRG821, GRL821, NH821, EL821

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

Example:

Direct replacement to LEESON IRONMAN, style B, 5:1 ratio, left hand output
 GRL-B821-5-L
 GRL8210001

GRG = **GROVE GEAR**

- Direct replacement to Grove Gear Flexaline
- Mounting footprint 3.00" x 4.75"
- See pages 52-73 for dimensions

GRL = **IRONMAN BY OHIO GEAR** Interchange

- Direct replacement to LEESON IRONMAN & major brands.
- Mounting footprint 2.88" x 5.00"
- See pages 52-73 for dimensions



	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	__8210037 __8210073	__8210049 __8210085	__8210061 __8210097	__8210513.XX __8210525.XX	__8210109 __8210145	__8210121 __8210157	__8210133 __8210169	__8210537.XX __8210549.XX	5
56C 143-5TC	__8210038 __8210074	__8210050 __8210086	__8210062 __8210098	__8210514.XX __8210526.XX	__8210110 __8210146	__8210122 __8210158	__8210134 __8210170	__8210538.XX __8210550.XX	7.5
56C 143-5TC	__8210039 __8210075	__8210051 __8210087	__8210063 __8210099	__8210515.XX __8210527.XX	__8210111 __8210147	__8210123 __8210159	__8210135 __8210171	__8210539.XX __8210551.XX	10
56C 143-5TC	__8210040 __8210076	__8210052 __8210088	__8210064 __8210100	__8210516.XX __8210528.XX	__8210112 __8210148	__8210124 __8210160	__8210136 __8210172	__8210540.XX __8210552.XX	15
56C 143-5TC	__8210041 __8210077	__8210053 __8210089	__8210065 __8210101	__8210517.XX __8210529.XX	__8210113 __8210149	__8210125 __8210161	__8210137 __8210173	__8210541.XX __8210553.XX	20
56C 143-5TC	__8210042 __8210078	__8210054 __8210090	__8210066 __8210102	__8210518.XX __8210530.XX	__8210114 __8210150	__8210126 __8210162	__8210138 __8210174	__8210542.XX __8210554.XX	25
56C 143-5TC	__8210043 __8210079	__8210055 __8210091	__8210067 __8210103	__8210519.XX __8210531.XX	__8210115 __8210151	__8210127 __8210163	__8210139 __8210175	__8210543.XX __8210555.XX	30
56C 143-5TC	__8210044 __8210080	__8210056 __8210092	__8210068 __8210104	__8210520.XX __8210532.XX	__8210116 __8210152	__8210128 __8210164	__8210140 __8210176	__8210544.XX __8210556.XX	40
56C 143-5TC	__8210045 __8210081	__8210057 __8210093	__8210069 __8210105	__8210521.XX __8210533.XX	__8210117 __8210153	__8210129 __8210165	__8210141 __8210177	__8210545.XX __8210557.XX	50
48CZ 56C 143-5TC	__8210190 __8210046 __8210082	__8210202 __8210058 __8210094	__8210214 __8210070 __8210106	__8210570.XX __8210522.XX __8210534.XX	__8210226 __8210118 __8210154	__8210238 __8210130 __8210166	__8210250 __8210142 __8210178	__8210582.XX __8210546.XX __8210558.XX	60
48CZ 56C	__8210191 __8210047	__8210203 __8210059	__8210215 __8210071	__8210571.XX __8210523.XX	__8210227 __8210119	__8210239 __8210131	__8210251 __8210143	__8210583.XX __8210547.XX	80
48CZ 56C	__8210192 __8210048	__8210204 __8210060	__8210216 __8210072	__8210572.XX __8210524.XX	__8210228 __8210120	__8210240 __8210132	__8210252 __8210144	__8210584.XX __8210548.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

NH SERIES Pages 74-93

EL SERIES Pages 94-109

ACCESSORIES Pages 284-295

OVERHUNG LOADS Pages 660-662