



821 Series

Ratio	Input RPM	Output RPM†	Input HP	Output HP	Output Torque (lb-in)	NEMA C Input Frame▲	Left Hand Catalog No.	Right Hand Catalog No.	Double Extension Catalog No.	Hollow Output Catalog No.*
5	1750	350.0	3.653	3.410	614	56C	__8213001	__8213013	__8213025	__8213501.XX
						143-5TC	__8213037	__8213049	__8213061	__8213513.XX
7.5	1750	233.3	2.793	2.562	692	56C	__8213002	__8213014	__8213026	__8213502.XX
						143-5TC	__8213038	__8213050	__8213062	__8213514.XX
10	1750	175.0	2.464	2.235	805	56C	__8213003	__8213015	__8213027	__8213503.XX
						143-5TC	__8213039	__8213051	__8213063	__8213515.XX
15	1750	116.7	1.887	1.661	897	56C	__8213004	__8213016	__8213028	__8213504.XX
						143-5TC	__8213040	__8213052	__8213064	__8213516.XX
20	1750	87.5	1.584	1.338	964	56C	__8213005	__8213017	__8213029	__8213505.XX
						143-5TC	__8213041	__8213053	__8213065	__8213517.XX
25	1750	70.0	1.333	1.094	985	56C	__8213006	__8213017	__8213030	__8213506.XX
						143-5TC	__8213042	__8213054	__8213066	__8213518.XX
30	1750	58.3	1.129	0.896	968	56C	__8213007	__8213018	__8213031	__8213507.XX
						143-5TC	__8213043	__8213055	__8213067	__8213519.XX
40	1750	43.8	0.916	0.674	971	56C	__8213008	__8213019	__8213032	__8213508.XX
50	1750	35.0	0.769	0.539	970	56C	__8213009	__8213020	__8213033	__8213509.XX
60	1750	29.2	0.674	0.435	940	56C	__8213010	__8213021	__8213034	__8213510.XX
80	1750	21.9	0.304	0.190	547	56C	__8213011	__8213022	__8213035	__8213511.XX
100	1750	17.5	0.217	0.122	439	56C	__8213012	__8213023	__8213036	__8213512.XX

For input/ output shaft overhung load and thrust load ratings, refer to pages 660-662.

▲ Contact Factory for other motor flanges available.

† For gear reducer ratings at other input speeds, refer to basic reducer selection tables on pages 28-29.

How To Build a Part Number For Size GR821, NH821, EL821

1. Select partial catalog number from the selection table
2. Select gear reducer series (GRG, GRL, NH, EL)
3. Replace leading “__” from catalog number with Series code (below)
4. For Hollow output, replace “XX” suffix with bore code.

Example:

GR Series Style WBMQ, 10:1 Left Hand Output, 56C
GR-WBMQ821-10-L-56
GR8213003

GRG = GROVE GEAR

- Direct replacement to Grove Gear Flexaline
- Mounting footprint 3.00" x 4.75"
- See pages 52-72 for dimensions



GRL = IRONMAN BY OHIO GEAR Interchange

- Direct replacement to LEESON IRONMAN & major brands.
- Mounting footprint 2.88" x 5.00"
- See pages 52-72 for dimensions

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

* Catalog numbers are for hollow output shaft reducers. When ordering, substitute the XX suffix with the required output bore code.