



800 Series Gear Reducers Built For Industrial Use

Precision mounting surfaces and extra threaded bolt holes on top and bottom for flexibility and to accept a wide range of stock mounting accessories.

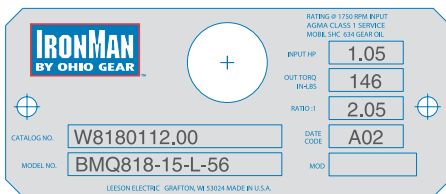
Cast iron NEMA C input flange with machined fits for precision alignment of motor and bearings.

Push-off holes drilled and tapped into flange for quick motor removal on quill input styles (56 & 140TC frames).

O-rings on input and output covers eliminate gaskets, sealants and leaks.

Mounting dimensions are interchangeable with Baldor 900 series, Boston Gear, Browning Raider, Falk, Grove, Morse Invader and other "industry standard" reducers.

Permanent "full fact" metal nameplate is drive screwed to housing for easy field identification even after years of service.



IronMan™ fine-grained, one-piece cast housing for rigidity and alignment. Machined for precision alignment of worm, worm gear, bearings and mounting surfaces. Superior resistance to environmental contaminants with high heat dissipation and noise reduction. BISSC certified reducers available for food service applications.

Bronze alloy worm gear is chill cast from premium quality bronze for maximum strength, lubricity and superior life.

Seal Guard** on quill-input styles protects input seal from damage during motor installation.

** Sizes 813 through 852 only



OHIO GEAR™

Oversized positively-retained high speed input shaft bearing for higher shock load capacity, shaft alignment and seal life. Ideal for frequent starting and reversing applications.

Single-piece, alloy steel input worm shaft. High lead angle worm is case-hardened, ground and polished for enhanced efficiency and noise reduction.

Tapered roller bearings on output shaft for high overhung and thrust load capacities.

High capacity oil reservoir reduces noise, aids heat dissipation and lubricates for life. Multiple venting options for multi-position mounting. Factory filled with premium Mobil SHC634 synthetic lubricant.

Robust output shaft of high strength steel alloy for superior torque and overhung load capacities.

Viton® premium quality, double lip seals** throughout —on micro-finished surfaces— mean extended life, resistance to high temperature, abrasion and chemicals.

Single output cover design provides precise centering of gear for lower noise levels and higher overall gear efficiencies.

Premium Grade 5 heat-treated bolts used throughout.

START WITH A BASIC SINGLE OR DOUBLE REDUCTION UNIT...



Style BMQ



Style DHMQ

AND ADD COMPONENTS...



Vertical Mount Kit



Horizontal Base Kit



J Mount Kit



Output Flange Mount Kit



Reaction Rod

TO CREATE THOUSANDS OF REDUCER AND GEAR+MOTOR™ COMBINATIONS





SINGLE REDUCTION SOLID SHAFT OUTPUT STYLES



OHIO GEAR™

Stock Styles

Modified Stock Styles

Using off-the-shelf accessories, stock styles BMQ, BM and B can be field or factory modified into a wide range of styles. See page 142 for details.

Style BMQ

**MOTORIZED
C FLANGE
QUILL
INPUT**



Horizontal Base Worm Over

Style TMQ



Horizontal Base Worm Under

Style UMQ*



Horizontal Base Worm Center

Style RMQ



Ratings: Pages 110-125
Dimensions: Page 136

Ratings: Pages 110-125
Dimensions: Page 138

Ratings: Pages 110-125
Dimensions: Contact
LEESON

Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style BM

**MOTORIZED
C FLANGE
FLEXIBLE
COUPLING
INPUT**



Style TM



Style UM*



Style RM



Ratings: Pages 110-125
Dimensions: Page 136

Ratings: Pages 110-125
Dimensions: Page 138

Ratings: Pages 110-125
Dimensions: Contact
LEESON

Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style B

**NON-
FLANGED**



Style T



Style U*



Style R



Ratings: Pages 110-125
Dimensions: Page 137

Ratings: Pages 110-125
Dimensions: Page 139

Ratings: Pages 110-125
Dimensions: Contact
LEESON

Ratings: Pages 110-125
Dimensions: Contact
LEESON

* Not a recommended mounting style.
Consult LEESON for selection assistance.

Additional accessories, options and assembly services are available,
contact LEESON for details.

**Vertical
Input Shaft**

Style JMQ



Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style JM

**Vertical Output Shaft
Low Base**

Style VLMQ **



Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style VLM **

**Vertical Output Shaft
High Base**

Style VHMQ **



Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style VHM **

**Flange Mounted
Output Shaft**

Style FMQ



Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style FM



Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style J



Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style VL **



Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style VH **



Ratings: Pages 110-125
Dimensions: Contact
LEESON

Style F



Ratings: Pages 110-125
Dimensions: Contact
LEESON



Ratings: Pages 110-125
Dimensions: Contact
LEESON



Ratings: Pages 110-125
Dimensions: Contact
LEESON



Ratings: Pages 110-125
Dimensions: Contact
LEESON

** SPECIFY SHAFT UP OR DOWN FOR THESE STYLES.



SINGLE REDUCTION HOLLOW SHAFT OUTPUT STYLES



OHIO GEAR™

Stock Styles

Modified Stock Styles

Using off-the-shelf accessories, stock styles HMQ, HM and H can be field or factory modified into a wide range of styles. See page 142 for details.

Style HMQ

**MOTORIZED
C FLANGE
QUILL
INPUT**



Ratings: Pages 110-125
Dimensions: Page 140

Flange Mounted Output Shaft

Style FHMQ



Ratings: Pages 110-125
Dimensions: Contact LEESON

Style HM

**MOTORIZED
C FLANGE
FLEXIBLE
COUPLING
INPUT**



Ratings: Pages 110-125
Dimensions: Page 140

Style FHM



Ratings: Pages 110-125
Dimensions: Contact LEESON

Style H

NON-FLANGED



Ratings: Pages 110-125
Dimensions: Page 141

Style FH



Ratings: Pages 110-125
Dimensions: Contact LEESON

Additional accessories, options and assembly services are available, contact LEESON for details.



OHIO GEAR™

SINGLE REDUCTION MODEL NUMBER SYSTEM



LEESON 800 Series Gear Reducer Model Number Nomenclature

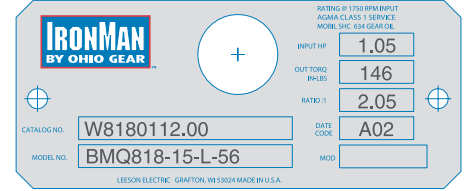
All stock and custom 800 series reducers are identified by a model number. The model number appears on the nameplate and describes pertinent features of the reducer. An example follows, along with a listing of the various letters and positions used.

NOTE: All reducers also have a catalog number—for example W8130001. Reducers and renewal parts should be ordered by catalog number. If a stock reducer has been factory modified by the addition of an optional base for example, the modification number T818, for example, is stamped in the blank column of the nameplate. Accessories that are field installed will not be noted on the nameplate.

Catalog numbers 3000 and higher (for example, W8133000) are WASHGUARD® reducers for washdown service.

Catalog numbers 5000 (for example, W8135000) and higher are custom reducers manufactured for a specific application. The machinery or equipment manufacturer should be contacted for replacement reducers. Renewal parts can be ordered from LEESON by catalog number.

TYPICAL NAMEPLATE



Style

SOLID OUTPUT SHAFT
BMQ – Motorized, Quill Input
BM – Motorized, Flexible Coupling Input
B – Non-Flanged
 See pages 106-107 for other styles.

W prefix; i.e. WBMQ denotes WASHDOWN Reducer
S prefix; i.e. SBMQ denotes Stainless Steel Reducer

HOLLOW OUTPUT SHAFT
HMQ – Motorized, Quill Input
HM – Motorized, Flexible Coupling Input
H – Non-Flanged
 See pages 108 for other styles.

CAST IRON 800 SERIES CENTER DISTANCES

Series	Center Distance (Inches)
813	1.33
815	1.50
818	1.75
821	2.06
824	2.38
826	2.62
830	3.00
832	3.25
842*	4.25
852*	5.25
860*	6.00

* For complete information on sizes 842-860, contact LEESON. Refer to pages 136-141 for dimensions. Refer to pages 142-143 for accessory kits.

Output Shaft Orientation

STANDARD RATIOS

Series	Center Dist. (In.)	RATIO : 1											
		5	7.5	10	15	20	25	30	40	50	60	80	100
813	1.33	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
815	1.50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
818	1.75	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
821	2.06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
824	2.38	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
826	2.62	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
830	3.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
832	3.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
842	4.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
852	5.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
860	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Motor Flange

NEMA Input Flange Code	For NEMA Frame
48	48CZ
56	56C
140	143-5TC
180	182-4TC
210	213-5TC
250	254-6TC

Output Bore Code

Hollow Shaft Only
See page 144.

L – Left-hand Output Shaft*
R – Right-hand Output Shaft*
D – Double Output Shaft
H – Hollow Output Shaft
 * Viewed from drive end of reducer.

Sample Model Number

Solid Shaft

Motorized Quill Input, Single Reduction Reducer, 1.75" Center Distance, 15:1 Ratio, Left Hand Output Shaft, and 5/8" Input Bore with NEMA 56C Flange.

BMQ **818** **15** **L** **56**
 Style Series Ratio Mounting Assembly Motor Input Flange

Hollow Shaft

Motorized Quill Input, Single Reduction Reducer, 1.75" Center Distance, 15:1 Ratio, 1.00" Hollow Output Shaft, and 5/8" Input Bore with NEMA 56C Flange.

HMQ **818** **15** **H1** **56** **16**
 Style Series Ratio Mounting Assembly Motor Input Flange Output Bore Code



SINGLE REDUCTION MAXIMUM RATING TABLES

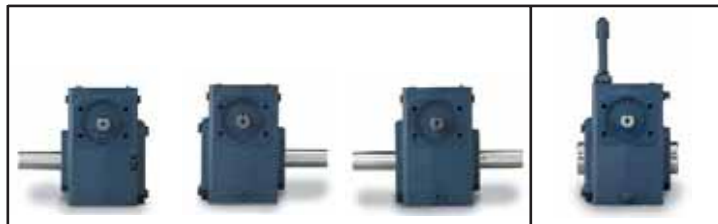
813 SERIES • ALL STOCK STYLES



OHIO GEAR™

Style B

Style H







List Price \$311	List Price \$311	List Price \$334	List Price \$454
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813 Series

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	1750	350	1.06	0.96	172	W8130001	W8130013	W8130025	W8130501.10
	1150	230	0.83	0.74	198				
	850	170	0.67	0.59	213				
	100	20	0.10	0.08	256				
7.5	1750	233	0.78	0.64	173	W8130002	W8130014	W8130026	W8130502.10
	1150	153	0.57	0.49	200				
	850	113	0.47	0.40	214				
	100	13	0.07	0.06	258				
10	1750	175	0.72	0.61	219	W8130003	W8130015	W8130027	W8130503.10
	1150	115	0.55	0.45	244				
	850	85	0.44	0.35	258				
	100	10	0.07	0.05	295				
15	1750	117	0.56	0.45	242	W8130004	W8130016	W8130028	W8130504.10
	1150	77	0.43	0.33	272				
	850	57	0.35	0.26	288				
	100	6.7	0.06	0.04	337				
20	1750	88	0.44	0.33	240	W8130005	W8130017	W8130029	W8130505.10
	1150	58	0.33	0.24	266				
	850	43	0.27	0.19	280				
	100	5	0.04	0.03	318				
25	1750	70	0.36	0.27	243	W8130006	W8130018	W8130030	W8130506.10
	1150	46	0.27	0.20	271				
	850	34	0.22	0.16	285				
	100	4	0.04	0.02	328				
30	1750	58	0.32	0.22	242	W8130007	W8130019	W8130031	W8130507.10
	1150	38	0.25	0.16	268				
	850	28	0.21	0.13	282				
	100	3.3	0.03	0.02	320				
40	1750	44	0.25	0.17	239	W8130008	W8130020	W8130032	W8130508.10
	1150	29	0.20	0.12	265				
	850	21	0.17	0.09	278				
	100	2.5	0.03	0.013	316				
50	1750	35	0.23	0.13	233	W8130009	W8130021	W8130033	W8130509.10
	1150	23	0.18	0.10	268				
	850	17	0.15	0.08	282				
	100	2	0.03	0.010	316				
60	1750	29	0.18	0.10	220	W8130010	W8130022	W8130034	W8130510.10
	1150	19	0.15	0.07	244				
	850	14	0.12	0.06	261				
	100	1.7	0.02	0.008	300				
80	1750	22	0.12	0.06	181	W8130011	W8130023	W8130035	W8130511.10
	1150	14	0.09	0.05	200				
	850	11	0.08	0.04	209				
	100	1.3	0.01	0.005	237				
100	1750	18	0.08	0.04	142	W8130012	W8130024	W8130036	W8130512.10
	1150	12	0.06	0.03	156				
	850	9	0.05	0.02	163				
	100	1.0	0.01	0.003	185				

Gear Reducers

	Style BM			Style HM	Style BMQ			Style HMQ
								
	List Price \$365	List Price \$365	List Price \$388	List Price \$510	List Price \$357	List Price \$357	List Price \$380	List Price \$502
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.
56C	W8130037	W8130049	W8130061	W8130513.10	W8130073	W8130085	W8130097	W8130525.10
56C	W8130038	W8130050	W8130062	W8130514.10	W8130074	W8130086	W8130098	W8130526.10
56C	W8130039	W8130051	W8130063	W8130515.10	W8130075	W8130087	W8130099	W8130527.10
56C	W8130040	W8130052	W8130064	W8130516.10	W8130076	W8130088	W8130100	W8130528.10
48CZ 56C	W8130113 W8130041	W8130125 W8130053	W8130137 W8130065	W8130541.10 W8130517.10	W8130185 W8130077	W8130197 W8130089	W8130209 W8130101	W8130565.10 W8130529.10
48CZ 56C	W8130114 W8130042	W8130126 W8130054	W8130138 W8130066	W8130542.10 W8130518.10	W8130186 W8130078	W8130198 W8130090	W8130210 W8130102	W8130566.10 W8130530.10
48CZ 56C	W8130115 W8130043	W8130127 W8130055	W8130139 W8130067	W8130543.10 W8130519.10	W8130187 W8130079	W8130199 W8130091	W8130211 W8130103	W8130567.10 W8130531.10
48CZ 56C	W8130116 W8130044	W8130128 W8130056	W8130140 W8130068	W8130544.10 W8130520.10	W8130188 W8130080	W8130200 W8130092	W8130212 W8130104	W8130568.10 W8130532.10
48CZ 56C	W8130117 W8130045	W8130129 W8130057	W8130141 W8130069	W8130545.10 W8130521.10	W8130189 W8130081	W8130201 W8130093	W8130213 W8130105	W8130569.10 W8130533.10
48CZ 56C	W8130118 W8130046	W8130130 W8130058	W8130142 W8130070	W8130546.10 W8130522.10	W8130190 W8130082	W8130202 W8130094	W8130214 W8130106	W8130570.10 W8130534.10
48CZ 56C	W8130119 W8130047	W8130131 W8130059	W8130143 W8130071	W8130547.10 W8130523.10	W8130191 W8130083	W8130203 W8130095	W8130215 W8130107	W8130571.10 W8130535.10
48CZ 56C	W8130120 W8130048	W8130132 W8130060	W8130144 W8130072	W8130548.10 W8130524.10	W8130192 W8130084	W8130204 W8130096	W8130216 W8130108	W8130572.10 W8130536.10

▲ Consult LEESON for other motor flanges available.



SINGLE REDUCTION MAXIMUM RATING TABLES

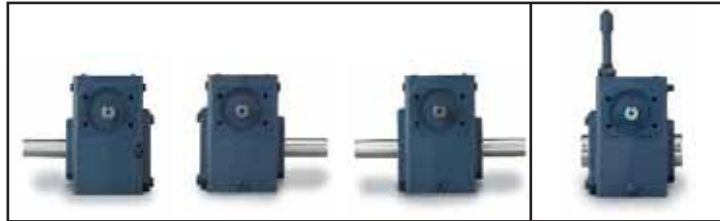
815 SERIES • ALL STOCK STYLES



OHIO GEAR™

Style B

Style H











List Price \$341	List Price \$341	List Price \$365	List Price \$496
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815 Series

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	1750	350	1.62	1.46	263	W8150001	W8150013	W8150025	W8150501.10
	1150	230	1.32	1.17	316				
	850	170	1.10	0.96	347				
	100	20	0.02	0.14	443				
7.5	1750	233	1.24	1.09	294	W8150002	W8150014	W8150026	W8150502.10
	1150	153	1.01	0.87	350				
	850	113	0.84	0.71	383				
	100	13	0.14	0.10	484				
10	1750	175	1.02	0.87	313	W8150003	W8150015	W8150027	W8150503.10
	1150	115	0.83	0.69	372				
	850	85	0.69	0.56	406				
	100	10	0.12	0.08	511				
15	1750	117	0.77	0.62	334	W8150004	W8150016	W8150028	W8150504.10
	1150	77	0.64	0.49	396				
	850	57	0.53	0.40	433				
	100	6.7	0.09	0.06	542				
20	1750	88	0.64	0.48	349	W8150005	W8150017	W8150029	W8150505.10
	1150	58	0.53	0.38	411				
	850	43	0.44	0.31	447				
	100	5	0.08	0.04	556				
25	1750	70	0.54	0.40	353	W8150006	W8150018	W8150030	W8150506.10
	1150	46	0.45	0.31	414				
	850	34	0.38	0.25	450				
	100	4	0.07	0.04	556				
30	1750	58	0.47	0.32	343	W8150007	W8150019	W8150031	W8150507.10
	1150	38	0.40	0.25	406				
	850	28	0.34	0.20	443				
	100	3.3	0.07	0.03	555				
40	1750	44	0.39	0.24	347	W8150008	W8150020	W8150032	W8150508.10
	1150	29	0.33	0.19	408				
	850	21	0.28	0.15	444				
	100	2.5	0.06	0.02	552				
50	1750	35	0.33	0.19	339	W8150009	W8150021	W8150033	W8150509.10
	1150	23	0.28	0.15	398				
	850	17	0.24	0.12	432				
	100	2	0.05	0.02	533				
60	1750	29	0.28	0.15	323	W8150010	W8150022	W8150034	W8150510.10
	1150	19	0.24	0.12	378				
	850	14	0.21	0.09	410				
	100	1.7	0.04	0.01	505				
80	1750	22	0.20	0.09	269	W8150011	W8150023	W8150035	W8150511.10
	1150	14	0.18	0.07	314				
	850	11	0.15	0.06	340				
	100	1.3	0.03	0.01	418				
100	1750	18	0.15	0.06	213	W8150012	W8150024	W8150036	W8150512.10
	1150	12	0.13	0.05	248				
	850	9	0.11	0.04	268				
	100	1.0	0.02	0.01	328				

Gear Reducers

	Style BM			Style HM	Style BMQ			Style HMQ
								
	List Price \$395	List Price \$395	List Price \$419	List Price \$551	List Price \$387	List Price \$387	List Price \$411	List Price \$543
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.
56C 143-5TC	W8150073 W8150109	W8150085 W8150121	W8150097 W8150133	W8150525.10 W8150537.10	W8150181 W8150217	W8150193 W8150229	W8150205 W8150241	W8150561.10 W8150573.10
56C 143-5TC	W8150074 W8150110	W8150086 W8150122	W8150098 W8150134	W8150526.10 W8150538.10	W8150182 W8150218	W8150194 W8150230	W8150206 W8150242	W8150562.10 W8150574.10
56C 143-5TC	W8150075 W8150111	W8150087 W8150123	W8150099 W8150135	W8150527.10 W8150539.10	W8150183 W8150219	W8150195 W8150231	W8150207 W8150243	W8150563.10 W8150575.10
56C 143-5TC	W8150076 W8150112	W8150088 W8150124	W8150100 W8150136	W8150528.10 W8150540.10	W8150184 W8150220	W8150196 W8150232	W8150208 W8150244	W8150564.10 W8150576.10
56C 143-5TC	W8150077 W8150113	W8150089 W8150125	W8150101 W8150137	W8150529.10 W8150541.10	W8150185 W8150221	W8150197 W8150233	W8150209 W8150245	W8150565.10 W8150577.10
56C	W8150078	W8150090	W8150102	W8150530.10	W8150186	W8150198	W8150210	W8150566.10
48CZ 56C	W8150043 W8150079	W8150055 W8150091	W8150067 W8150103	W8150519.10 W8150531.10	W8150151 W8150187	W8150163 W8150199	W8150175 W8150211	W8150555.10 W8150567.10
48CZ 56C	W8150044 W8150080	W8150056 W8150092	W8150068 W8150104	W8150520.10 W8150532.10	W8150152 W8150188	W8150164 W8150200	W8150176 W8150212	W8150556.10 W8150568.10
48CZ 56C	W8150045 W8150081	W8150057 W8150093	W8150069 W8150105	W8150521.10 W8150533.10	W8150153 W8150189	W8150165 W8150201	W8150177 W8150213	W8150557.10 W8150569.10
48CZ 56C	W8150046 W8150082	W8150058 W8150094	W8150070 W8150106	W8150522.10 W8150534.10	W8150154 W8150190	W8150166 W8150202	W8150178 W8150214	W8150558.10 W8150570.10
48CZ 56C	W8150047 W8150083	W8150059 W8150095	W8150071 W8150107	W8150523.10 W8150535.10	W8150155 W8150191	W8150167 W8150203	W8150179 W8150215	W8150559.10 W8150571.10
48CZ 56C	W8150048 W8150084	W8150060 W8150096	W8150072 W8150108	W8150524.10 W8150536.10	W8150156 W8150192	W8150168 W8150204	W8150180 W8150216	W8150560.10 W8150572.10

▲ Consult LEESON for other motor flanges available.



SINGLE REDUCTION MAXIMUM RATING TABLES

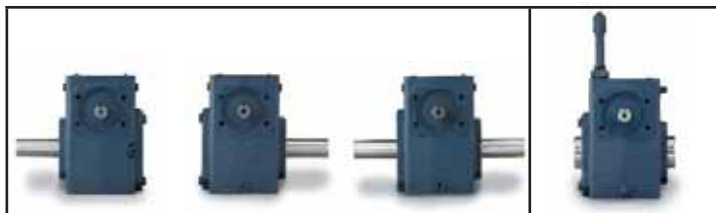
818 SERIES • ALL STOCK STYLES



OHIO GEAR™

Style B

Style H



List Price \$346	List Price \$346	List Price \$370	List Price \$503
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818 Series

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	1750	350	1.70	1.56	281	W8180001	W8180013	W8180025	W8180501.XX
	1150	230	1.39	1.26	339				
	850	170	1.15	1.03	373				
	100	20	0.19	0.15	478				
7.5	1750	233	1.67	1.50	404	W8180002	W8180014	W8180026	W8180502.XX
	1150	153	1.28	1.13	465				
	850	113	1.05	0.91	496				
	100	13	0.16	0.13	595				
10	1750	175	1.38	1.21	436	W8180003	W8180015	W8180027	W8180503.XX
	1150	115	1.06	0.91	496				
	850	85	0.87	0.71	529				
	100	10	0.13	0.10	622				
15	1750	117	1.05	0.87	470	W8180004	W8180016	W8180028	W8180504.XX
	1150	77	0.81	0.65	532				
	850	57	0.66	0.51	567				
	100	6.7	0.11	0.07	662				
20	1750	88	0.82	0.67	480	W8180005	W8180017	W8180029	W8180505.XX
	1150	58	0.53	0.49	542				
	850	43	0.52	0.39	577				
	100	5	0.08	0.05	672				
25	1750	70	0.67	0.53	477	W8180006	W8180018	W8180030	W8180506.XX
	1150	46	0.51	0.39	540				
	850	34	0.42	0.32	571				
	100	4	0.07	0.04	669				
30	1750	58	0.61	0.45	485	W8180007	W8180019	W8180031	W8180507.XX
	1150	38	0.48	0.33	547				
	850	28	0.40	0.26	582				
	100	3.3	0.07	0.04	677				
40	1750	44	0.48	0.33	480	W8180008	W8180020	W8180032	W8180508.XX
	1150	29	0.38	0.25	541				
	850	21	0.30	0.19	574				
	100	2.5	0.05	0.03	667				
50	1750	35	0.40	0.26	463	W8180009	W8180021	W8180033	W8180509.XX
	1150	23	0.30	0.19	520				
	850	17	0.25	0.15	551				
	100	2	0.04	0.02	638				
60	1750	29	0.32	0.20	434	W8180010	W8180022	W8180034	W8180510.XX
	1150	19	0.25	0.15	485				
	850	14	0.21	0.12	513				
	100	1.7	0.04	0.02	589				
80	1750	22	0.21	0.12	353	W8180011	W8180023	W8180035	W8180511.XX
	1150	14	0.16	0.09	394				
	850	11	0.14	0.07	415				
	100	1.3	0.02	0.01	478				
100	1750	18	0.14	0.08	277	W8180012	W8180024	W8180036	W8180512.XX
	1150	12	0.11	0.06	308				
	850	9	0.09	0.05	324				
	100	1.0	0.02	0.01	371				





*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

Style BM

Style HM

Style BMQ

Style HMQ

								
	List Price \$405	List Price \$405	List Price \$429	List Price \$564	List Price \$393	List Price \$393	List Price \$417	List Price \$549
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.*
56C 143-5TC	W8180037 W8180073	W8180049 W8180085	W8180061 W8180097	W8180513.XX W8180525.XX	W8180109 W8180145	W8180121 W8180157	W8180133 W8180169	W8180537.XX W8180549.XX
56C 143-5TC	W8180038 W8180074	W8180050 W8180086	W8180062 W8180098	W8180514.XX W8180526.XX	W8180110 W8180146	W8180122 W8180158	W8180134 W8180170	W8180538.XX W8180550.XX
56C 143-5TC	W8180039 W8180075	W8180051 W8180087	W8180063 W8180099	W8180515.XX W8180527.XX	W8180111 W8180147	W8180123 W8180159	W8180135 W8180171	W8180539.XX W8180551.XX
56C 143-5TC	W8180040 W8180076	W8180052 W8180088	W8180064 W8180100	W8180516.XX W8180528.XX	W8180112 W8180148	W8180124 W8180160	W8180136 W8180172	W8180540.XX W8180552.XX
56C 143-5TC	W8180041 W8180077	W8180053 W8180089	W8180065 W8180101	W8180517.XX W8180529XX	W8180113 W8180149	W8180125 W8180161	W8180137 W8180173	W8180541.XX W8180553.XX
56C 143-5TC	W8180042 W8180078	W8180054 W8180090	W8180066 W8180102	W8180518.XX W8180530.XX	W8180114 —	W8180126 —	W8180138 —	W8180542.XX —
56C 143-5TC	W8180043 W8180079	W8180055 W8180091	W8180067 W8180103	W8180519.XX W8180531.XX	W8180115 —	W8180127 —	W8180139 —	W8180543.XX —
48CZ 56C 143-5TC	W8180188 W8180044 W8180080	W8180200 W8180056 W8180092	W8180212 W8180068 W8180104	W8180568.XX W8180520.XX W8180532.XX	W8180224 W8180116 —	W8180236 W8180128 —	W8180248 W8180140 —	W8180580.XX W8180544.XX —
48CZ 56C 143-5TC	W8180189 W8180045 W8180081	W8180201 W8180057 W8180093	W8180213 W8180069 W8180105	W8180569.XX W8180521.XX W8180533.XX	W8180225 W8180117 —	W8180237 W8180129 —	W8180249 W8180141 —	W8180581.XX W8180545.XX —
48CZ 56C 143-5TC	W8180190 W8180046 W8180082	W8180202 W8180058 W8180094	W8180214 W8180070 W8180106	W8180570.XX W8180522.XX W8180534.XX	W8180226 W8180118 —	W8180238 W8180130 —	W8180250 W8180142 —	W8180582.XX W8180546.XX —
48CZ 56C	W8180191 W8180047	W8180203 W8180059	W8180215 W8180071	W8180571.XX W8180523.XX	W8180227 W8180119	W8180239 W8180131	W8180251 W8180143	W8180583.XX W8180547.XX
48CZ 56C	W8180192 W8180048	W8180204 W8180060	W8180216 W8180072	W8180572.XX W8180524.XX	W8180228 W8180120	W8180240 W8180132	W8180252 W8180144	W8180584.XX W8180548.XX

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



SINGLE REDUCTION MAXIMUM RATING TABLES

821 SERIES • ALL STOCK STYLES



OHIO GEAR™

Style B

Style H











List Price \$418	List Price \$418	List Price \$445	List Price \$604
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821 Series

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	1750	350	2.51	2.32	418	W8210001	W8210013	W8210025	W8210501.XX
	1150	230	2.10	1.92	517				
	850	170	1.77	1.60	578				
	100	20	0.29	0.24	766				
7.5	1750	233	2.48	2.24	605	W8210002	W8210014	W8210026	W8210502.XX
	1150	153	2.02	1.72	705				
	850	113	1.58	1.40	758				
	100	13	0.24	0.20	923				
10	1750	175	2.10	1.86	671	W8210003	W8210015	W8210027	W8210503.XX
	1150	115	1.66	1.42	778				
	850	85	1.37	1.13	838				
	100	10	0.21	0.16	1009				
15	1750	117	1.58	1.34	725	W8210004	W8210016	W8210028	W8210504.XX
	1150	77	1.24	1.02	836				
	850	57	1.01	0.81	897				
	100	6.7	0.15	0.11	1071				
20	1750	88	1.25	1.03	742	W8210005	W8210017	W8210029	W8210505.XX
	1150	58	0.99	0.78	853				
	850	43	0.81	0.62	915				
	100	5	0.13	0.09	1090				
25	1750	70	1.01	0.82	735	W8210006	W8210018	W8210030	W8210506.XX
	1150	46	0.79	0.62	844				
	850	34	0.65	0.50	901				
	100	4	0.10	0.07	1076				
30	1750	58	0.90	0.69	749	W8210007	W8210019	W8210031	W8210507.XX
	1150	38	0.72	0.52	860				
	850	28	0.60	0.41	922				
	100	3.3	0.10	0.06	1096				
40	1750	44	0.72	0.52	742	W8210008	W8210020	W8210032	W8210508.XX
	1150	29	0.57	0.39	851				
	850	21	0.47	0.31	912				
	100	2.5	0.08	0.04	1083				
50	1750	35	0.57	0.40	720	W8210009	W8210021	W8210033	W8210509.XX
	1150	23	0.47	0.30	826				
	850	17	0.39	0.24	885				
	100	2	0.07	0.03	1051				
60	1750	29	0.49	0.31	674	W8210010	W8210022	W8210034	W8210510.XX
	1150	19	0.41	0.23	765				
	850	14	0.34	0.18	815				
	100	1.7	0.06	0.03	956				
80	1750	22	0.33	0.19	552	W8210011	W8210023	W8210035	W8210511.XX
	1150	14	0.25	0.14	628				
	850	11	0.21	0.12	667				
	100	1.3	0.04	0.02	787				
100	1750	18	0.22	0.12	433	W8210012	W8210024	W8210036	W8210512.XX
	1150	12	0.17	0.09	492				
	850	9	0.15	0.07	522				
	100	1.0	0.03	0.01	614				

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
								
	List Price \$484	List Price \$484	List Price \$511	List Price \$670	List Price \$481	List Price \$481	List Price \$508	List Price \$654
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.*
56C 143-5TC	W8210037 W8210073	W8210049 W8210085	W8210061 W8210097	W8210513.XX W8210525.XX	W8210109 W8210145	W8210121 W8210157	W8210133 W8210169	W8210537.XX W8210549.XX
56C 143-5TC	W8210038 W8210074	W8210050 W8210086	W8210062 W8210098	W8210514.XX W8210526.XX	W8210110 W8210146	W8210122 W8210158	W8210134 W8210170	W8210538.XX W8210550.XX
56C 143-5TC	W8210039 W8210075	W8210051 W8210087	W8210063 W8210099	W8210515.XX W8210527.XX	W8210111 W8210147	W8210123 W8210159	W8210135 W8210171	W8210539.XX W8210551.XX
56C 143-5TC	W8210040 W8210076	W8210052 W8210088	W8210064 W8210100	W8210516.XX W8210528.XX	W8210112 W8210148	W8210124 W8210160	W8210136 W8210172	W8210540.XX W8210552.XX
56C 143-5TC	W8210041 W8210077	W8210053 W8210089	W8210065 W8210101	W8210517.XX W8210529.XX	W8210113 W8210149	W8210125 W8210161	W8210137 W8210173	W8210541.XX W8210553.XX
56C 143-5TC	W8210042 W8210078	W8210054 W8210090	W8210066 W8210102	W8210518.XX W8210530.XX	W8210114 W8210150	W8210126 W8210162	W8210138 W8210174	W8210542.XX W8210554.XX
56C 143-5TC	W8210043 W8210079	W8210055 W8210091	W8210067 W8210103	W8210519.XX W8210531.XX	W8210115 W8210151	W8210127 W8210163	W8210139 W8210175	W8210543.XX W8210555.XX
56C 143-5TC	W8210044 W8210080	W8210056 W8210092	W8210068 W8210104	W8210520.XX W8210532.XX	W8210116 —	W8210128 —	W8210140 —	W8210544.XX —
56C 143-5TC	W8210045 W8210081	W8210057 W8210093	W8210069 W8210105	W8210521.XX W8210533.XX	W8210117 —	W8210129 —	W8210141 —	W8210545.XX —
48CZ 56C 143-5TC	W8210190 W8210046 W8210082	W8210202 W8210058 W8210094	W8210214 W8210070 W8210106	W8210570.XX W8210522.XX W8210534.XX	W8210226 W8210118 —	W8210238 W8210130 —	W8210250 W8210142 —	W8210582.XX W8210546.XX —
48CZ 56C	W8210191 W8210047	W8210203 W8210059	W8210215 W8210071	W8210571.XX W8210523.XX	W8210227 W8210119	W8210239 W8210131	W8210251 W8210143	W8210583.XX W8210547.XX
48CZ 56C	W8210192 W8210048	W8210204 W8210060	W8210216 W8210072	W8210572.XX W8210524.XX	W8210228 W8210120	W8210240 W8210132	W8210252 W8210144	W8210584.XX W8210548.XX

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



SINGLE REDUCTION MAXIMUM RATING TABLES

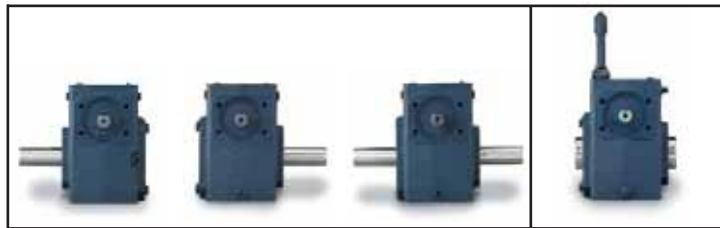
824 SERIES • ALL STOCK STYLES



OHIO GEAR™

Style B

Style H







List Price \$478	List Price \$478	List Price \$507	List Price \$685
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824 Series

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	1750	350	3.89	3.63	653	W8240001	W8240013	W8240025	W8240501.XX
	1150	230	3.34	3.08	829				
	850	170	2.84	2.59	937				
	100	20	0.49	0.41	1286				
7.5	1750	233	3.47	3.20	863	W8240002	W8240014	W8240026	W8240502.XX
	1150	153	2.87	2.61	1053				
	850	113	2.40	2.15	1168				
	100	13	0.39	0.32	1523				
10	1750	175	3.13	2.75	992	W8240003	W8240015	W8240027	W8240503.XX
	1150	115	2.55	2.16	1182				
	850	85	2.12	1.74	1291				
	100	10	0.33	0.26	1607				
15	1750	117	2.33	1.99	1076	W8240004	W8240016	W8240028	W8240504.XX
	1150	77	1.90	1.55	1276				
	850	57	1.59	1.25	1389				
	100	6.7	0.25	0.18	1718				
20	1750	88	1.85	1.53	1101	W8240005	W8240017	W8240029	W8240505.XX
	1150	58	1.51	1.19	1299				
	850	43	1.27	0.95	1412				
	100	5	0.21	0.14	1737				
25	1750	70	1.56	1.21	1087	W8240006	W8240018	W8240030	W8240506.XX
	1150	46	1.18	0.93	1279				
	850	34	1.04	0.76	1379				
	100	4	0.16	0.11	1698				
30	1750	58	1.33	1.03	1113	W8240007	W8240019	W8240031	W8240507.XX
	1150	38	1.10	0.80	1314				
	850	28	0.93	0.64	1428				
	100	3.3	0.16	0.09	1758				
40	1750	44	1.05	0.76	1101	W8240008	W8240020	W8240032	W8240508.XX
	1150	29	0.88	0.59	1297				
	850	21	0.74	0.47	1407				
	100	2.5	0.13	0.07	1726				
50	1750	35	0.86	0.59	1065	W8240009	W8240021	W8240033	W8240509.XX
	1150	23	0.72	0.45	1245				
	850	17	0.62	0.36	1347				
	100	2	0.11	0.05	1638				
60	1750	29	0.72	0.47	1007	W8240010	W8240022	W8240034	W8240510.XX
	1150	19	0.57	0.36	1173				
	850	14	0.47	0.29	1266				
	100	1.7	0.08	0.04	1531				
80	1750	22	0.46	0.29	830	W8240011	W8240023	W8240035	W8240511.XX
	1150	14	0.37	0.22	946				
	850	11	0.31	0.18	1011				
	100	1.3	0.06	0.02	1202				
100	1750	18	0.30	0.18	648	W8240012	W8240024	W8240036	W8240512.XX
	1150	12	0.25	0.14	735				
	850	9	0.21	0.11	784				
	100	1.0	0.04	0.02	926				

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
								
	List Price \$580	List Price \$580	List Price \$609	List Price \$787	List Price \$567	List Price \$567	List Price \$596	List Price \$772
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.*
143-5TC 182-4TC	W8240073 W8240109	W8240085 W8240121	W8240097 W8240133	W8240525.XX W8240537.XX	W8240181 W8240217	W8240193 W8240229	W8240205 W8240241	W8240561.XX W8240573.XX
143-5TC 182-4TC	W8240074 W8240110	W8240086 W8240122	W8240098 W8240134	W8240526.XX W8240538.XX	W8240182 W8240218	W8240194 W8240230	W8240206 W8240242	W8240562.XX W8240574.XX
143-5TC 182-4TC	W8240075 W8240111	W8240087 W8240123	W8240099 W8240135	W8240527.XX W8240539.XX	W8240183 W8240219	W8240195 W8240231	W8240207 W8240243	W8240563.XX W8240575.XX
56C 143-5TC	W8240040 W8240076	W8240052 W8240088	W8240064 W8240100	W8240516.XX W8240528.XX	W8240148 W8240184	W8240160 W8240196	W8240172 W8240208	W8240552.XX W8240564.XX
56C 143-5TC	W8240041 W8240077	W8240053 W8240089	W8240065 W8240101	W8240517.XX W8240529.XX	W8240149 W8240185	W8240161 W8240197	W8240173 W8240209	W8240553.XX W8240565.XX
56C 143-5TC	W8240042 W8240078	W8240054 W8240090	W8240066 W8240102	W8240518.XX W8240530.XX	W8240150 W8240186	W8240162 W8240198	W8240174 W8240210	W8240554.XX W8240566.XX
56C 143-5TC	W8240043 W8240079	W8240055 W8240091	W8240067 W8240103	W8240519.XX W8240531.XX	W8240151 W8240187	W8240163 W8240199	W8240175 W8240211	W8240555.XX W8240567.XX
56C 143-5TC	W8240044 W8240080	W8240056 W8240092	W8240068 W8240104	W8240520.XX W8240532.XX	W8240152 W8240188	W8240164 W8240200	W8240176 W8240212	W8240556.XX W8240568.XX
56C 143-5TC	W8240045 W8240081	W8240057 W8240093	W8240069 W8240105	W8240521.XX W8240533.XX	W8240153 W8240189	W8240165 W8240201	W8240177 W8240213	W8240557.XX W8240569.XX
56C 143-5TC	W8240046 W8240082	W8240058 W8240094	W8240070 W8240106	W8240522.XX W8240534.XX	W8240154 —	W8240166 —	W8240178 —	W8240558.XX —
56C	W8240047	W8240059	W8240071	W8240523.XX	W8240155	W8240167	W8240179	W8240559.XX
56C	W8240048	W8240060	W8240072	W8240524.XX	W8240156	W8240168	W8240180	W8240560.XX

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



SINGLE REDUCTION MAXIMUM RATING TABLES

826 SERIES • ALL STOCK STYLES



OHIO GEAR™

Style B

Style H







List Price \$559	List Price \$559	List Price \$591	List Price \$809
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826 Series

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	1750	350	4.80	4.50	810	W8260001	W8260013	W8260025	W8260501.XX
	1150	230	4.05	3.75	1028				
	850	170	3.47	3.18	1179				
	100	20	0.61	0.51	1617				
7.5	1750	233	4.27	3.95	1068	W8260002	W8260014	W8260026	W8260502.XX
	1150	153	3.58	3.28	1322				
	850	113	3.01	2.72	1477				
	100	13	0.50	0.42	1962				
10	1750	175	3.99	3.65	1315	W8260003	W8260015	W8260027	W8260503.XX
	1150	115	3.26	2.91	1596				
	850	85	2.70	2.37	1758				
	100	10	0.43	0.35	2206				
15	1750	117	3.04	2.64	1427	W8260004	W8260016	W8260028	W8260504.XX
	1150	77	2.46	2.09	1719				
	850	57	2.02	1.70	1886				
	100	6.7	0.31	0.23	2164				
20	1750	88	2.42	2.03	1463	W8260005	W8260017	W8260029	W8260505.XX
	1150	58	1.96	1.60	1757				
	850	43	1.60	1.30	1926				
	100	5	0.26	0.19	2332				
25	1750	70	2.03	1.61	1445	W8260006	W8260018	W8260030	W8260506.XX
	1150	46	1.55	1.24	1704				
	850	34	1.29	1.02	1841				
	100	4	0.21	0.14	2275				
30	1750	58	1.78	1.37	1479	W8260007	W8260019	W8260031	W8260507.XX
	1150	38	1.44	1.08	1773				
	850	28	1.20	0.87	1941				
	100	3.3	0.20	0.12	2292				
40	1750	44	1.39	1.02	1464	W8260008	W8260020	W8260032	W8260508.XX
	1150	29	1.14	0.80	1754				
	850	21	0.95	0.65	1920				
	100	2.5	0.17	0.09	2345				
50	1750	35	1.12	0.79	1416	W8260009	W8260021	W8260033	W8260509.XX
	1150	23	0.93	0.61	1678				
	850	17	0.77	0.49	1826				
	100	2	0.13	0.07	2206				
60	1750	29	0.96	0.62	1343	W8260010	W8260022	W8260034	W8260510.XX
	1150	19	0.77	0.48	1587				
	850	14	0.64	0.39	1726				
	100	1.7	0.11	0.05	2002				
80	1750	22	0.60	0.38	1095	W8260011	W8260023	W8260035	W8260511.XX
	1150	14	0.52	0.29	1284				
	850	11	0.42	0.24	1382				
	100	1.3	0.08	0.03	1695				
100	1750	18	0.40	0.24	856	W8260012	W8260024	W8260036	W8260512.XX
	1150	12	0.35	0.18	996				
	850	9	0.28	0.15	1069				
	100	1.0	0.05	0.02	1299				

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code



	Style BM			Style HM	Style BMQ			Style HMQ
								
	List Price \$679	List Price \$679	List Price \$711	List Price \$929	List Price \$658	List Price \$658	List Price \$690	List Price \$905
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.*
143-5TC 182-4TC	W8260073 W8260109	W8260085 W8260121	W8260097 W8260133	W8260525.XX W8260537.XX	W8260181 W8260217	W8260193 W8260229	W8260205 W8260241	W8260561.XX W8260573.XX
143-5TC 182-4TC	W8260074 W8260110	W8260086 W8260122	W8260098 W8260134	W8260526.XX W8260538.XX	W8260182 W8260218	W8260194 W8260230	W8260206 W8260242	W8260562.XX W8260574.XX
143-5TC 182-4TC	W8260075 W8260111	W8260087 W8260123	W8260099 W8260135	W8260527.XX W8260539.XX	W8260183 W8260219	W8260195 W8260231	W8260207 W8260243	W8260563.XX W8260575.XX
143-5TC 182-4TC	W8260076 W8260112	W8260088 W8260124	W8260100 W8260136	W8260528.XX W8260540.XX	W8260184 W8260220	W8260196 W8260232	W8260208 W8260244	W8260564.XX W8260576.XX
56C 143-5TC	W8260041 W8260077	W8260053 W8260089	W8260065 W8260101	W8260517.XX W8260529.XX	W8260149 W8260185	W8260161 W8260197	W8260173 W8260209	W8260553.XX W8260565.XX
56C 143-5TC	W8260042 W8260078	W8260054 W8260090	W8260066 W8260102	W8260518.XX W8260530.XX	W8260150 W8260186	W8260162 W8260198	W8260174 W8260210	W8260554.XX W8260566.XX
56C 143-5TC	W8260043 W8260079	W8260055 W8260091	W8260067 W8260103	W8260519.XX W8260531.XX	W8260151 W8260187	W8260163 W8260199	W8260175 W8260211	W8260555.XX W8260567.XX
56C 143-5TC	W8260044 W8260080	W8260056 W8260092	W8260068 W8260104	W8260520.XX W8260532.XX	W8260152 W8260188	W8260164 W8260200	W8260176 W8260212	W8260556.XX W8260568.XX
56C 143-5TC	W8260045 W8260081	W8260057 W8260093	W8260069 W8260105	W8260521.XX W8260533.XX	W8260153 W8260189	W8260165 W8260201	W8260177 W8260213	W8260557.XX W8260569.XX
56C 143-5TC	W8260046 W8260082	W8260058 W8260094	W8260070 W8260106	W8260522.XX W8260534.XX	W8260154 W8260190	W8260166 W8260202	W8260178 W8260214	W8260558.XX W8260570.XX
56C	W8260047	W8260059	W8260071	W8260523.XX	W8260155	W8260167	W8260179	W8260559.XX
56C	W8260048	W8260060	W8260072	W8260524.XX	W8260156	W8260168	W8260180	W8260560.XX

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



SINGLE REDUCTION MAXIMUM RATING TABLES

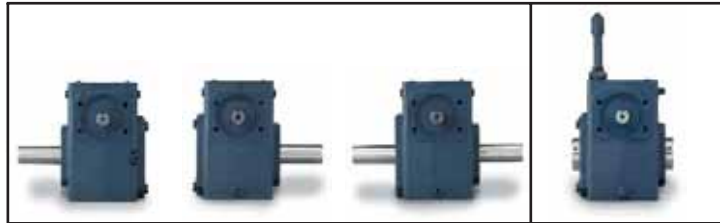
830 SERIES • ALL STOCK STYLES



OHIO GEAR™

Style B

Style H











List Price \$748	List Price \$748	List Price \$781	List Price \$959
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830 Series

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	1750	350	6.68	6.29	1131	W8300001	W8300013	W8300025	W8300501.XX
	1150	230	5.65	5.25	1413				
	850	170	4.95	4.56	1650				
	100	20	0.92	0.78	2454				
7.5	1750	233	6.05	5.62	1519	W8300002	W8300014	W8300026	W8300502.XX
	1150	153	5.21	4.78	1930				
	850	113	4.44	4.02	2185				
	100	13	0.77	0.64	3003				
10	1750	175	5.91	5.32	1915	W8300003	W8300015	W8300027	W8300503.XX
	1150	115	5.17	4.36	2390				
	850	85	4.18	3.66	2650				
	100	10	0.69	0.56	3522				
15	1750	117	4.41	3.86	2085	W8300004	W8300016	W8300028	W8300504.XX
	1150	77	3.64	3.12	2562				
	850	57	3.08	2.60	2822				
	100	6.7	0.52	0.40	3677				
20	1750	88	3.49	2.97	2141	W8300005	W8300017	W8300029	W8300505.XX
	1150	58	3.05	2.41	2640				
	850	43	2.47	2.01	2911				
	100	5	0.43	0.30	3808				
25	1750	70	3.03	2.40	2160	W8300006	W8300018	W8300030	W8300506.XX
	1150	46	2.39	1.93	2643				
	850	34	2.03	1.60	2903				
	100	4	0.35	0.24	3760				
30	1750	58	2.48	2.01	2167	W8300007	W8300019	W8300031	W8300507.XX
	1150	38	2.06	1.61	2648				
	850	28	1.76	1.34	2908				
	100	3.3	0.31	0.20	3762				
40	1750	44	2.05	1.49	2146	W8300008	W8300020	W8300032	W8300508.XX
	1150	29	1.65	1.20	2637				
	850	21	1.42	1.00	2904				
	100	2.5	0.27	0.15	3784				
50	1750	35	1.59	1.16	2085	W8300009	W8300021	W8300033	W8300509.XX
	1150	23	1.34	0.93	2545				
	850	17	1.15	0.77	2793				
	100	2	0.22	0.12	3607				
60	1750	29	1.32	0.92	1980	W8300010	W8300022	W8300034	W8300510.XX
	1150	19	1.12	0.74	2416				
	850	14	1.02	0.61	2651				
	100	1.7	0.19	0.09	3424				
80	1750	22	0.90	0.59	1684	W8300011	W8300023	W8300035	W8300511.XX
	1150	14	0.76	0.46	1996				
	850	11	0.65	0.38	2179				
	100	1.3	0.13	0.05	2731				
100	1750	18	0.60	0.37	1321	W8300012	W8300024	W8300036	W8300512.XX
	1150	12	0.51	0.29	1554				
	850	9	0.44	0.23	1691				
	100	1.0	0.09	0.03	2100				

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

	Style BM			Style HM	Style BMQ			Style HMQ
								
	List Price \$872	List Price \$872	List Price \$905	List Price \$1083	List Price \$849	List Price \$849	List Price \$882	List Price \$1072
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.*
182-4TC	W8300109	W8300121	W8300133	W8300537.XX	W8300253	W8300265	W8300277	W8300585.XX
182-4TC	W8300110	W8300122	W8300134	W8300538.XX	W8300254	W8300266	W8300278	W8300586.XX
143-5TC	W8300075	W8300087	W8300099	W8300527.XX	W8300219	W8300231	W8300243	W8300575.XX
182-4TC	W8300111	W8300123	W8300135	W8300539.XX	W8300255	W8300267	W8300279	W8300587.XX
143-5TC	W8300076	W8300088	W8300100	W8300528.XX	W8300220	W8300232	W8300244	W8300576.XX
182-4TC	W8300112	W8300124	W8300136	W8300540.XX	W8300256	W8300268	W8300280	W8300588.XX
143-5TC	W8300077	W8300089	W8300101	W8300529.XX	W8300221	W8300233	W8300245	W8300577.XX
182-4TC	W8300113	W8300125	W8300137	W8300541.XX	W8300257	W8300269	W8300281	W8300589.XX
143-5TC	W8300078	W8300090	W8300102	W8300530.XX	W8300222	W8300234	W8300246	W8300578.XX
182-4TC	W8300114	W8300126	W8300138	W8300542.XX	W8300258	W8300270	W8300282	W8300590.XX
143-5TC	W8300079	W8300091	W8300103	W8300531.XX	W8300223	W8300235	W8300247	W8300579.XX
56C	W8300044	W8300056	W8300068	W8300520.XX	W8300188	W8300200	W8300212	W8300568.XX
143-5TC	W8300080	W8300092	W8300104	W8300532.XX	W8300224	W8300236	W8300248	W8300580.XX
56C	W8300045	W8300057	W8300069	W8300521.XX	W8300189	W8300201	W8300213	W8300569.XX
143-5TC	W8300081	W8300093	W8300105	W8300533.XX	W8300225	W8300237	W8300249	W8300581.XX
56C	W8300046	W8300058	W8300070	W8300522.XX	W8300190	W8300202	W8300214	W8300570.XX
143-5TC	W8300082	W8300094	W8300106	W8300534.XX	W8300226	W8300238	W8300250	W8300582.XX
56C	W8300047	W8300059	W8300071	W8300523.XX	W8300191	W8300203	W8300215	W8300571.XX
143-5TC	W8300083	W8300095	W8300107	W8300535.XX	W8300227	W8300239	W8300251	W8300583.XX
56C	W8300048	W8300060	W8300072	W8300524.XX	W8300192	W8300204	W8300216	W8300572.XX

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.



SINGLE REDUCTION MAXIMUM RATING TABLES

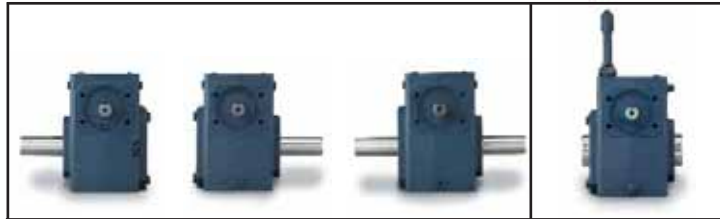
832 SERIES • ALL STOCK STYLES



OHIO GEAR™

Style B

Style H











List Price \$858	List Price \$858	List Price \$893	List Price \$1349
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832 Series

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	1750	350	9.14	8.61	1602	W8320097	W8320101	W8320105	W8320557.XX
	1150	230	7.69	7.17	1995				
	850	170	6.80	6.28	2349				
	100	20	1.29	1.10	3571				
7.5	1750	233	7.84	7.32	1976	W8320098	W8320102	W8320106	W8320558.XX
	1150	153	6.64	6.11	2469				
	850	113	5.76	5.24	2845				
	100	13	1.14	0.95	4075				
10	1750	175	7.03	6.51	2343	W8320001	W8320009	W8320017	W8320501.XX
	1150	115	5.97	5.45	2932				
	850	85	5.06	4.45	3220				
	100	10	0.86	0.69	4372				
15	1750	117	5.28	4.72	2551	W8320002	W8320010	W8320018	W8320502.XX
	1150	77	4.53	3.97	3207				
	850	57	3.77	3.19	3466				
	100	6.7	0.65	0.49	4647				
20	1750	88	4.19	3.66	2633	W8320003	W8320011	W8320019	W8320503.XX
	1150	58	3.48	2.91	3189				
	850	43	3.13	2.45	3542				
	100	5	0.53	0.38	4728				
25	1750	70	3.47	2.95	2658	W8320004	W8320012	W8320020	W8320504.XX
	1150	46	2.91	2.41	3248				
	850	34	2.49	1.97	3567				
	100	4	0.45	0.30	4751				
30	1750	58	3.09	2.39	2578	W8320005	W8320013	W8320021	W8320505.XX
	1150	38	2.50	1.96	3221				
	850	28	2.15	1.65	3573				
	100	3.3	0.40	0.25	4754				
40	1750	44	2.35	1.83	2641	W8320006	W8320014	W8320022	W8320506.XX
	1150	29	2.02	1.51	3251				
	850	21	1.71	1.22	3535				
	100	2.5	0.34	0.19	4698				
50	1750	35	1.91	1.43	2568	W8320007	W8320015	W8320023	W8320507.XX
	1150	23	1.62	1.13	3095				
	850	17	1.41	0.95	3432				
	100	2	0.28	0.15	4558				
60	1750	29	1.57	1.13	2437	W8320008	W8320016	W8320024	W8320508.XX
	1150	19	1.35	0.91	2951				
	850	14	1.19	0.75	3258				
	100	1.7	0.25	0.11	4327				
80	1750	22	1.05	0.68	1962	W8320099	W8320103	W8320107	W8320559.XX
	1150	14	0.90	0.55	2413				
	850	11	0.79	0.46	2657				
	100	1.3	0.16	0.07	3464				
100	1750	18	0.71	0.43	1546	W8320100	W8320104	W8320108	W8320560.XX
	1150	12	0.61	0.34	1885				
	850	9	0.53	0.29	2068				
	100	1.0	0.11	0.04	2666				

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code



	Style BM			Style HM	Style BMQ			Style HMQ
								
	List Price \$989	List Price \$989	List Price \$1024	List Price \$1478	List Price \$931	List Price \$931	List Price \$966	List Price \$1417
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.*
182-4TC 213-5TC	W8320205 W8320217	W8320209 W8320229	W8320213 W8320241	W8320569.XX W8320573.XX	W8320277 W8320289	W8320281 W8320301	W8320285 W8320313	W8320593.XX W8320597.XX
182-4TC 213-5TC	W8320206 W8320218	W8320210 W8320230	W8320214 W8320242	W8320570.XX W8320574.XX	W8320278 W8320290	W8320282 W8320302	W8320286 W8320314	W8320594.XX W8320598.XX
143-5TC 182-4TC	W8320049 W8320073	W8320057 W8320081	W8320065 W8320089	W8320517.XX W8320525.XX	W8320145 W8320169	W8320153 W8320177	W8320161 W8320185	W8320541.XX W8320549.XX
143-5TC 182-4TC	W8320050 W8320074	W8320058 W8320082	W8320066 W8320090	W8320518.XX W8320526.XX	W8320146 W8320170	W8320154 W8320178	W8320162 W8320186	W8320542.XX W8320550.XX
143-5TC 182-4TC	W8320051 W8320075	W8320059 W8320083	W8320067 W8320091	W8320519.XX W8320527.XX	W8320147 W8320171	W8320155 W8320179	W8320163 W8320187	W8320543.XX W8320551.XX
143-5TC 182-4TC	W8320052 W8320076	W8320060 W8320084	W8320068 W8320092	W8320520.XX W8320528.XX	W8320148 W8320172	W8320156 W8320180	W8320164 W8320188	W8320544.XX W8320552.XX
143-5TC 182-4TC	W8320053 W8320077	W8320061 W8320085	W8320069 W8320093	W8320521.XX W8320529.XX	W8320149 W8320173	W8320157 W8320181	W8320165 W8320189	W8320545.XX W8320553.XX
56C 143-5TC 182-4TC	W8320030 W8320054 W8320078	W8320038 W8320062 W8320086	W8320046 W8320070 W8320094	W8320514.XX W8320522.XX W8320530.XX	W8320126 W8320150 —	W8320134 W8320158 —	W8320142 W8320166 —	W8320538.XX W8320546.XX —
56C 143-5TC 182-4TC	W8320031 W8320055 W8320079	W8320039 W8320063 W8320087	W8320047 W8320071 W8320095	W8320515.XX W8320523.XX W8320531.XX	W8320127 W8320151 —	W8320135 W8320159 —	W8320143 W8320167 —	W8320539.XX W8320547.XX —
56C 143-5TC 182-4TC	W8320032 W8320056 W8320080	W8320040 W8320064 W8320088	W8320048 W8320072 W8320096	W8320516.XX W8320524.XX W8320532.XX	W8320128 W8320152 —	W8320136 W8320160 —	W8320144 W8320168 —	W8320540.XX W8320548.XX —
56C 143-5TC	W8320111 W8320195	W8320115 W8320199	W8320119 W8320203	W8320563.XX W8320567.XX	W8320255 W8320267	W8320259 W8320271	W8320263 W8320275	W8320587.XX W8320591.XX
56C	W8320112	W8320116	W8320120	W8320564.XX	W8320256	W8320260	W8320264	W8320588.XX

*Catalog numbers are for hollow output shafts. Refer to page 144 for bore sizes available. When ordering, substitute the XX suffix with the required output bore code

▲ Consult LEESON for other motor flanges available.