



SINGLE REDUCTION MODEL NUMBER SYSTEM



LEESON 800 Series Gear Reducer Model Number Nomenclature

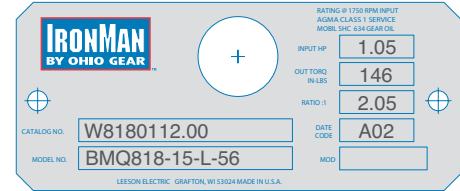
All stock and custom 800 series reducers are identified by a model number. The model number appears on the nameplate and describes pertinent features of the reducer. An example follows, along with a listing of the various letters and positions used.

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 6 & 7 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 8 & 9 for other styles.

- Series**
- 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

Ratio

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 35.

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