

800 Series Right Angle Helical Worm Selection Tables

Numbering System / How to Order

800 Series Right Angle Helical Worm Gear Drives

Clutch/Brake

Motor

How to Order

EXAMPLE:

Required flange input, NEMA 56C, 3/4 HP, Class I, detachable base, 45:1 ratio, lubricated, with double output shaft and standard mounting position.

Order:

- 1 pc SF832BR-45K-B5
or item code F01425
 - 1 pc XS830BR-11K (Base Kit)
or 5 digit item code 59610
 - 1 pc XS830BR-3PBK (Output Shaft)
or 5 digit item code 59609
- If components are to be factory assembled specify as SF832BRB-45K B5

Reducer Material/Paint

- Blank** - Cast Iron, Std Gray Paint
- BK** - Cast Iron, White
BostKleen Paint
- SBK** - Cast Iron, Stainless
BostKleen Paint

Lubrication

- Blank** - No Lubrication
- K** - Klubersynth UH1 6-460
- W** - Klubersynth GH6
- S** - Mobil SHC 634
- X** - Mobil 600W

(Sizes 3 and 4 are non-vented)

Input Shaft Style

- S** - Solid Projecting Input Shaft
- SF** - Quill Style C-Face Motor Flange

Input Oil Seal

- Blank** - Standard Seal
- T** - Two Standard Seals

Frame Size

- 3
- 4
- 5
- 6

NEMA Motor Mounting

BORE CODE	NEMA MOUNTING	INPUT BORE	KEYWAY
B5	56C	.625	3/16 x 3/32
B7	140TC/180C	.875	3/16 x 3/32
B9	180TC/210C	1.125	1/4 x 1/8
B11	210TC/250UC	1.375	5/16 x 5/32

Blank Solid Input Shaft (No Flange)

Reduction Type

- 2 - Double
- 3 - Triple

Base/Mounting Attachment

- Blank** - Foot Mounted Base
- B** - Detachable Base
- F** - Output Flange
- T** - Torque Arm

Nominal Gear Ratio

(Rounded Value)

Refer to Selection Tables For Available Ratios

Mounting Positions

- Blank** - No Lubrication
- M1-M6** - Lubrication per Mounting Positions in Catalog

CMBA56U-6 - HUTF5/8-IDB - 3

Common C-Face Brake Installed		
115/230 VAC 60hz	Ft-Lb	Bore Code
CMBA56R-3	3	B5
CMBA56R-6	6	B5
CMBA140TR-6	6	B7

208-230/460 VAC 60hz	Ft-Lb	Bore Code
CMBA56U-3	3	B5
CMBA56U-6	6	B5
CMBA140TU-6	6	B7

Other sizes available. See catalog.

Motor Conduit Box Orientation	
(When looking at fan end of motor)	
0 -	12 O'clock
3 -	3 O'clock
6 -	6 O'clock
9 -	9 O'clock

Common C-Face Motors Installed			
HP Rating	Bore Code	AC Voltage	
		115/208-230-1-60	208-230/460-3-60
1/4 HP	B5	DRTFB	DUTFB
1/3 HP	B5	ERTFB	EUTFB
1/2 HP	B5	FRTFB	FUTFB
	B5		FUT-SS
	B5		FUTF-IDB
3/4 HP	B5	GRTFB	GUTFB
	B5		GUT-SS
	B5		GUTF-IDB
1 HP	B5	HRTF-5/8B	HUTF5/8B
	B5		HUT5/8-SS
	B5		HUTF5/8-IDB
	B7		HUTFB
	B7		HUT-SS
1.5 HP	B7		HUTF-IDB
	B7		JUTFB
	B7		JUTFB-SS
2 HP	B5		JUTF-IDB
	B7		KUTF5/8B
	B7		KUTFB
	B7		KUTF-SS
3 HP	B7		KUTF-IDB
	B9		LUTFB
	B9		LUTF-SS
5 HP	B9		LUTF-IDB
	B9		MUTFB

Other motors available, please see catalog pages 333 to 342.

- T** - Totally enclosed non-ventilated
- TF** - Totally enclosed fan cooled
- SS** - Stainless
- IDB** - Inverter Duty (10:1 turn down constant torque)
- B5** - 56C
- B7** - 140TC
- B9** - 180TC