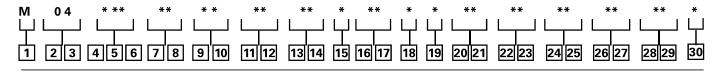
4000 Series

Model Code

The following 30-digit coding system has been developed to identify all of the configuration options for the 4000 Series motor. Use this model code to specify a motor with the desired features. All 30 digits of the code must be present when ordering. You may want to photocopy the matrix below to ensure that each number is entered in the correct box.



1 Product M - Motor

2 3 Series 04 - 4000 Series

4 5 6 Displacement cm³/r [in³/r]

067 - 109.8 cm³/r[6.70 in³/r]

080 - 130.3 cm³/r [7.95 in³/r]

099 - 162.2 cm³/r [9.90 in³/r]

125 - 205.5 cm³/r [12.54 in³/r]

150 - 246.3 cm³/r [15.03 in³/r]

171 - 280.1 cm³/r [17.09 in³/r]

190 - 311.8 cm³/r [19.03 in³/r]

225 - 369.0 cm³/r [22.52 in³/r]

240 - 393,9 cm³/r [24,04 in³/r]

301 - 492,6 cm³/r [30,06 in³/r]

342 - 560.2 cm³/r [34.18 in³/r] 381 - 623.9 cm³/r [38.07 in³/r]

7 8 Mounting Type

AA - Bearingless, 4 Bolt: 127.00 [5.000] Pilot Dia. 14.27 [.562] Dia. Holes on 161.92 [6.375] Dia. Bolt Circle

AB - Standard, 4 Bolt: 101.60 [4.000] Pilot Dia. 14.7 [.58] Slots on 127.00 [5.000] Dia. **Bolt Circle. (SAE B)**

AC - Wheel, 4 Bolt: 139.70 [5.500] Pilot Dia. 14.27 [.562] Dia. Holes on 165.10 [6.500] Dia, Bolt Circle.

AD - Wheel, 4 Bolt: 127.00 [5.000] Pilot Dia. .500-13 UNC-2B Threaded Holes on 147.62 [5.812] Dia. Bolt circle.

AF - Standard, 4 Bolt: 127,00 [5.000] Pilot Dia. 14.27 [.562] Dia. Holes on 161.92 [6.375] Dia. Bolt Circle. (SAE C)

AH - Standard: ISO Flange 125 B4hw (ISO 3019/2) 124.97 [4.920] Pilot Dia. 14.27 [.562] Dia. Holes on 160.00 [6.299] Dia. Bolt Circle

AP - Wheel, 4 Bolt: 160.0 [6.30] Pilot Dia. with 5.8 [.23] Pilot Length and 18.00 [.709] Dia Holes on 200.00 [7.874] Bolt Circle (ISO Compatible)

9 10 Output Shaft

00 - None (Bearingless)

01 - 31.75 [1.250] Dia. Straight With 375-16UNC-2B Thread, 53.1 [2.09] Max Coupling Length, 7.938 [.3125] Sq x 41.27 [1.625] Straight Key

02 - 41.28 [1.625] Dia. Tapered with 11.112 [.4375] Sq x 31.75 [1.250] Straight Key, 1.250-18UNEF-2A Thread with Slotted Hex Nut

03 - 31.75 [1.250] Dia. Flat Root Side Fit, 14 Tooth, 12/24 DP 30° Involute Spline, 38.1 [1.50] Minimum Full Spline Length with .375-16UNC-2B Thread

10 - 38.10 [1.500] Dia. Flat Root Side Fit, 17 Tooth, 12/24 DP 30°. Involute Spline, 31.2 [1.23] Minimum Full Spline Length, with 375-16 UNC-2B Thread in End

11 - 40.00 [1.575] Dia. Straight with M12 x 1.75-6H Thread, 7.955 [.3132] x 11.979 [.4716] Wide X 69.98 [2.755] Straight Key

21 - 40.00 [1.575] Dia. 10:1 Tapered Shaft per ISO R775 with 750-16 UNF-2B Threaded in End, 12W x 8H 70L [.472W x .313H x 2.76L] Key

22 - None (Bearingless) European Spline

25 - 42.00 [1.654] Dia. 10:1 Tapered Shaft per ISO R775 with .750-16 UNF-2B Thread in End, 12W x 8H X 63L [.472W X .313H X 2.48L] Key

11 12 Ports

AA - .875-14 UNF-2B SAE O-Ring Ports - Staggered **Ports**

AB - 1,0625-12 UN-2B SAE O-Ring Ports - Staggered **Ports**

AC - G 3/4 Ports - Staggered **Ports**

AD - 19.05 [.750] 4 Bolt Split Flange Staggered Ports Standard Pressure Series (Code 61)

AE - M22 X 1.5-6H O-Ring Port - Staggered Ports

AG - 12.70 [.500] Dia. Manifold Ports

AJ - Dash 12 Stc Type II+ (Snap to Connect) Ports -Staggered Ports

13 14 Case Flow Options

00 - None

01 - .5625-18 UNF-2B SAE O-Ring Port with Shuttle 02 - .4375-20 UNF-2B SAE O-ring Port with Check Valve 03 - G 1/4 BSP Straight Thread with Check Valve

06 - .4375-20 UNF-2B SAE O-ring Port with Reverse Flow Shuttle

10 - Dash 6 Stc Type II + (Snap to Connect) Port

15 Low Pressure Relief 0 - None

A - Set at 4.5 Bar

[65 lbf/in²]

B - Set at 15.2 Bar [220 lbf/in²]

16 17 Pressure/Flow Option

00 - None

18 Geroler Option

0 - Standard

19 Seal Option

00 - Standard Seals

02 - Seal Guard

03 - Viton Seals

04 - Viton Shaft Seal

11 - High pressure shaft seal, slinger seal

19 - Extreme duty seal guard

20 21 Accessories

00 - None

AC - M 12 Threaded Connector, Long Body Digital Speed and Direction Pickup (Two 36 Pulse Signals in Quadrature per Revolution Pin 1=Power Supply, Pin 2=Output Signal 1, Pin 3=Common, Pin 4=Output Signal 2)

AD - M 12 Threaded Connector, Digital Speed And Direction Pickup (One 72 Pulse per Rev Speed Signal and One Directional Signal (Pin 1=Power, Pin 2=Direction, Pin 2=Common, Pin 4=Speed)

22 23 Special Features (Hardware)

00 - None

17 - Low Noise Valve Plate

24 25 Special Features (Assembly)

00 - None

26 27 Paint/Packaging

00 - No Paint, Individual Box AA – Low Gloss Black Primer, Individual Box

AB - Epoxy Coated (Frost Gray), Individual Box

29 Customer Identification

00 - None

30 Design Code F - Sixth

Feature in **bold** are preferred and allow for shorter lead time.