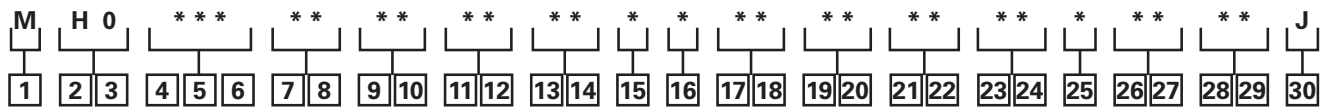


H Series (101-)

Model Code

The following 30-digit coding system has been developed to identify all of the configuration options for the H 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

H0 - H Motor

4, 5, 6 Displacement

cm³/r [in³/r]

- 022 - 36 [2.2]†
- 028 - 46 [2.8]
- 035 - 58 [3.5]†
- 045 - 74 [4.5]
- 059 - 96 [5.9]
- 073 - 120 [7.3]
- 089 - 146 [8.9]
- 097 - 159 [9.7]
- 113 - 185 [11.3]
- 141 - 231 [14.1]
- 179 - 294 [17.9]
- 226 - 370 [22.6]
- 451 - 739 [45.1]†

†The H Series motors with the displacement code "022", "035", or "451" must also specify free running gerotor. (Option "A" in position 15).

7, 8 Mounting Type

A - 2 Bolt (Standard) 82.50 [3.248] Dia. x 3.05 [1.120] Pilot, 13.59 [5.35] Dia. Mounting Holes on 106.35 [4.187] Dia. B.C.

BA - 4 Bolt (Standard) 44.40 [1.748] Dia. x 3.05 [1.120] Pilot, .375-16 UNC-2B Mounting Holes on 82.55 [3.250] Dia. B.C.

CA - 2 Bolt (Standard) 82.50 [3.248] Dia. x 6.10 [2.40] Pilot, 10.41 [4.10] Dia. Mounting Holes on 106.35 [4.187] Dia. B.C. (SAE A)

DD - 2 Bolt (Standard) 101.60 [4.000] Dia. x 6.10 [2.40] Pilot, 14.35 [5.65] Dia. Mounting Holes on 146.05 [5.750] Dia. B.C. (SAE B)

FA - 4 Bolt (Standard) 44.40 [1.748] Dia. x 3.05 [1.120] Pilot, M10 x 1.5-6H Mounting Holes on 82.55 [3.250] Dia. B.C.

MA - 2 Bolt (Standard) 82.50 [3.248] Dia. x 8.13 [3.20] Pilot, 13.59 [5.35] Dia. Mounting Holes on 106.35 [4.187] Dia. B.C., w/o O-ring Groove

9, 10 Output Shaft

01 - 25.4 [1.00] Dia. Straight, Woodruff Key, .250-20 UNC-2B Hole in Shaft End

02 - 25.4 [1.00] Dia. SAE 6B Spline, .250-20 UNC-2B Hole in Shaft End

07 - 25.4 [1.00] Dia. Straight, 8.03 [3.16] Dia. Cross Hole 11.2 [4.4] from End, 5.6 [2.2] Extra Length

08 - 25.4 [1.00] Dia. Straight, 10.31 [4.06] Dia. Cross Hole 15.7 [6.2] from End, .250-20 UNC-2B Hole in Shaft End

16 - 22.22 [875] Dia. SAE 13 Tooth Spline (SAE B)

17 - 22.22 [875] Dia. Straight, 6.4 [2.5] x 19.0 [7.5] Square Key (SAE B)

18 - 25.4 [1.00] Dia. Tapered, Woodruff Key and Nut, 34.92 [1.375] Taper Length

24 - 25.00 [984] Dia. Straight, 8.00 [315] KEY, M8 x 1.25-6H Hole in Shaft End

39 - 25.00 [984] Dia. Straight (k6), 8.00 [315] Key, M8 x 1.25-6H Hole in Shaft End

11, 12 Ports

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

AB - .500-14 NPTF Dry Seal Pipe Thread Ports

AC - Manifold Ports (.3125-18 UNC-2B Mounting Holes)

AD - Manifold Ports (M8 x 1.25-6H Mounting Holes)

AF - G 1/2 BSP Straight Thread Ports

EB†† - End Ports: .750-16 UNF-2B SAE O-Ring Ports

EC†† - End Ports: G 1/2 BSP Straight Thread Ports

†† Note: End ported motor pressure is derated. Reference page B-2-2 for ratings.

13, 14 Case Flow Options

00 - None

01 - .4375-20 UNF-2B SAE O-Ring Port (End Cap)

02 - G 1/4 BSP Straight THD Port (End Cap)

03 - Manifold case drain

04 - .4375-20 UNF-2B SAE O-ring port (side of housing)

05 - .3125-24 UNF-2B SAE O-ring port (mounting flange)

11 - Internal Check Valves

15 Gerotor Options

0 - None

A - Free Running

16 Shaft Options

0 - None

N - Electroless Nickel Plated

17, 18 Seal Options

00 - Standard Seals

02 - Seal Guard

03 - Viton Seals

04 - Viton Shaft Seal

07 - High Pressure Shaft Seal

11 - High pressure shaft seal, slinger seal

19 - Extreme duty seal guard

19, 20 Speed Sensor Options

00 - None

AA - 12mm digital speed pickup (15 pulse) without lead wire

AB - Magnetic Speed Pickup (60 Pulse by Quadrature), No Lead Wire with M12 Connector (A=Power, B=Common, C=Signal)

21, 22 Valve Options

00 - None

* - Contact your Eaton Sales Representative for available options.

23, 24 Special Features (Hardware)

00 - None

AB - Low Speed Valving

SS - Stainless Steel Flange Bolts

25 Special Assembly Instructions

0 - None

1 - Reverse Rotation

2 - Flange Rotated 90°

26, 27 Paint/ Special Packaging

00 - No Paint

AA - Low Gloss Black Primer

AD - Environmental Coated Gloss White

AF - Environmental Coated Black

28, 29 Eaton Assigned Code when Applicable

00 - Assigned Code

30 Eaton Assigned Design Code

J - Nine (9)

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