

# 6000 Series

## Model Code

The following 30-digit coding system has been developed to identify all of the configuration options for the 6000 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.

M	0	6		*	*	*	*	*	*	*	0	0	*	*	0	0	*	*	0	0	F						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	26	27	28	29	30

### 1 Product M – Motor

### 2, 3 Series 06 – 6000 Series

### 4, 5, 6 Displacement cm<sup>3</sup>/r [in<sup>3</sup>/r]

120 – 195.8 [11.95]  
150 – 246.5 [15.04]  
190 – 312.0 [19.04]  
239 – 391.7 [23.90]  
300 – 491.4 [29.99]  
381 – 624.2 [38.09]  
450 – 737.4 [45.00]  
490 – 803.4 [49.03]  
600 – 982.7 [59.97]

### 7, 8 Mounting Type

**AA – Bearingless, 4 Bolt:**  
127.0 [5.00] Pilot Dia. and  
14.35 [.565] Dia. Holes 162.0  
[6.38] Dia. Bolt Circle

**AB – Standard, 4 Bolt (SAE  
CC):** 127.0 [5.00] Pilot Dia.  
and 14.35 [.565] Dia. Holes  
on 162.0 [6.38] Dia. B.C.

**AC – Wheel, 4 Bolt 139.7  
[5.50] Pilot Dia. and 14.35  
[.565] Dia. Holes on 184.2  
[7.25] Dia. Bolt Circle**

AD – Standard, 4 Bolt, (SAE  
D): 152.4 [6.00] Pilot Dia.

15.24 [.600] Dia. Holes on  
228.6 [9.00] Dia. Bolt Circle  
(SAE D) with O-Ring Groove  
to Accept ARP-163 O-Ring

AH – Standard, 4 Bolt: 10.0  
[6.30] Pilot Dia. 18.01 [.709]  
Dia. Holes on 200.0 [7.87]  
Dia. Bolt Circle.

AL - Wheel, 4 Bolt: 160.0  
[6.30] Pilot Dia. with 5.8 [.23]  
Pilot Length and 18.00 [.709]  
Dia. Holes on 200.0 [7.874]  
Bolt Circle (ISO Compatible)

### 9, 10 Output Shaft Description

00 – None (Bearingless)

01 – 38,10 [1.50] Dia. Straight  
Shaft with .375-16 UNC-2B  
Thread in End, 9,52 [.375] Sq  
x 41,28 [1.625] Straight Key

02 – 44,45 [1.75] Dia. .125:1  
Tapered Shaft per SAE  
J501 with 1.25-18 UNEF-2A  
Threaded Shaft End, 11,11  
[.4375] Sq. x 31,8 [1.25]  
Straight Key

03 – 38,10 [1.50] Dia. Flat  
Root Side Fit, 17 Tooth, 12/24  
DP 30 DEG. Involute Spline  
with .375-16 UNC-2B Thread  
in end 40,4 [1.59] Minimum  
Full Spline Length

04 – 40,00 [1.575] Dia.  
Straight Shaft with M12 x  
1.75-6H Thread in End, 12W  
x 8H x 63L [.472W x .313H x  
2.480L] Key

12– 49,99 [1.968] Dia. Straight  
Shaft with M12 x 1.75-6H  
Thread in End, 14W x 9H x  
70L [.550W x .354H x 2.756L]  
Key

15 – 60mm Dia. 10:1 Tapered  
Shaft per ISO R775 with M42 x  
3-6H Threaded Shaft End, 16W  
x 10H x 32L [.630W x .394H x  
1.26L] Key

16 – 53,98 [2.125] Dia. Flat  
Root Side Fit, 16 Tooth, 8/16 DP  
30 Deg. Involute Spline with  
M12 x 1.75-6H Thread in End,  
55,9 [2.20] Min Full Spline

### 11, 12 Port Description

AA – 1,3125-12 UN-2B SAE  
O-Ring Ports–Staggered Ports  
AB – SAE 19.05 [.750]  
Dia. 4-Bolt Split Flange -  
Staggered Ports  
AC – G 1 Staggered Ports  
AG – .750-16 UNF-2B SAE  
O-ring Ports - Staggered

### 13, 14 Case Flow

02 – .4375-20 UNF-2B SAE  
O-Ring Port With Check Valve  
03 – G 1/4 BSP Straight  
Thread Port with Check Valve  
06 – .5625-18 UNF-2B SAE  
O-Ring Port with Shuttle Valve  
10 – .750-16 UNF-2B SAE  
O-ring Ports, External  
Lubrication Circuit Requires  
Case Drain must be  
Connected, .063 Shuttle Flow  
Orifice

### 15 Low Pressure Relief

0 – None  
A – Set at 4.5 [65 lbf/in<sup>2</sup>]  
B – Set at 15.2 [220 lbf/in<sup>2</sup>]

### 16, 17 Pressure/Flow Option

00 – None

### 18 Geroler Option

0 – Standard  
2 – Tight Fitting

### 19 Seal Option

0 – Standard  
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

### 22, 23 Special Features (Hardware)

00 – None  
01 – Non-Masked Nameplate  
02 – Non-Masked Nameplate,  
Low Noise Valve Plate  
03 – Low Noise Valve Plate

### 24, 25 Special Features (Assembly)

00 – None  
AA – Reverse Rotation

### 26, 27 Paint/Packaging

00 – No Paint, Individual Box  
AA – Low Gloss Black  
Primer  
AD – No Paint, Bulk Box  
Option  
AE – Low Gloss Black  
Primer, Bulk Box  
Option

### 28, 29 Customer ID

00 – None

### 30 Design Code

F – Sixth

Feature in bold are preferred  
and allow for shorter lead time