

IFP BMG HIGH TORQUE LOW SPEED MOTORS



High Performance in an economical package

International BMG motors provide high output torque from an efficient compact design. Motors are available with displacements from 3.2 - 23.5 c.i.r (51.7 -386.2 c.c.r) BMG motors provide smooth low speed performance while maintaining high output torque. Motors can be connected together in series, or parallel and there shaft seal design allow the motor to withstand high back pressures without an external case drain. When operated within there rated conditions these motors provide a long trouble free service life.

Features:

- * High volumetric efficiency
- * High starting torque
- * Series - Parallel installation
- * Compact design



Model code

BMG - 30 - 2 - S K

Series Model Mounting Porting Shaft

Code	Mounting
2	SAE A 2 Bolt Flange
4	Square 4 Bolt Flange
6	SAE A Bolt Flange (Magneto mount)

Code	Porting
S	7/8-14 SAE
P	1/2" NPT
B	1/2" BSP
F	Flange Mount

Code	Shaft
K	1" Keyed
S	1" 6 tooth Spline

Other shafts available
See page: D1.3

Model		BMG 30	BMG 49	BMG 61	BMG 76	BMG 98	BMG 122	BMG 152	BMG 192	BMG 244
Displacement in ³ /rev (cm ³ /rev)		3.2 (51.7)	4.7 (77.7)	5.9 (96.2)	7.2 (117.9)	9.5 (155.5)	11.6 (189.9)	14.1 (231)	19.0 (311.7)	23.5 (386.2)
Speed RPM	Continuous	879	740	589	475	370	296	237	189	149
	Intermittent	975	827	673	594	463	370	297	236	185
Torque in-lb (Nm)	Continuous	716 (81)	1141 (129)	1424 (161)	1787 (202)	2168 (245)	2531 (286)	3186 (360)	3593 (406)	3850 (435)
	Intermittent	929 (108)	1513 (171)	1885 (213)	2371 (268)	3026 (342)	3451 (390)	4035 (456)	4469 (505)	4717 (533)
Power H.P.(kW)	Continuous	9.3 (7)	12.2 (9.1)	12.1 (9)	12.2 (9.1)	11.6 (8.7)	10.9 (8.1)	11.0 (8.2)	9.7 (7.2)	8.2 (6.1)
	Intermittent	11.9 (8.9)	15.8 (11.8)	16.0 (11.9)	15.8 (11.8)	16.0 (11.9)	14.6 (10.9)	13.5 (10.1)	11.5 (8.6)	9.7 (7.2)
Pressure PSI(Mpa)	Continuous	1810 (12.5)	1810 (12.5)	1810 (12.5)	1810 (12.5)	1810 (12.5)	1595 (11)	1595 (11)	1595 (11)	1450 (10)
	Intermittent	2393 (16.5)	2393 (16.5)	2393 (16.5)	2393 (16.5)	2393 (16.5)	2393 (16.5)	2030 (14)	1810 (12.5)	1520 (10.5)
Flow GPM (LPM)	Continuous	12 (45)	12 (45)	16 (60)	16 (60)	16 (60)	16 (60)	16 (60)	16 (60)	16 (60)
	Intermittent	13.2 (50)	20 (75)	20 (75)	20 (75)	20 (75)	20 (75)	20 (75)	20 (75)	20 (75)
Weight Lbs (kg)		12.3 (5.6)	12.6 (5.7)	13.0 (5.9)	13.2 (6)	13.7 (6.2)	14.1 (6.4)	14.6 (6.6)	15.2 (6.9)	16.3 (7.4)

Continuous operation: Motor may be run continuously at these ratings

Intermittent operation: Motor May be run 10% of every minute at these ratings

Intermittent speed & intermittent pressure must not occur simultaneously

Recommended fluids: Premium quality, anti-wear type hydraulic oil

Recommended Temperature: 180 F { 82 C }

Recommended filtration: per ISO Cleanliness code level 18/13