

# IFP BML HIGH TORQUE LOW SPEED MOTORS



## High Performance in an economical package

International BML motors provide high output torque from an efficient compact design. Motors are available with displacements from 3.1 - 22.6 c.i.r (51.3 -370 c.c.r) BML 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

**BML - 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		BML 30	BML 49	BML 61	BML 76	BML 98	BML 122	BML 152	BML 192	BML 244
<b>Displacement</b> in3/rev (cm3/rev)		3.1 (51.3)	4.9 (80.6.)	6.1 (100.8)	7.6 (124.9)	9.6 (157.2)	12.2 (199.2)	15.4 (252)	19.2 (314.5)	22.6 (370)
<b>Speed</b> RPM	Continuous	755	750	600	475	375	300	240	190	160
	Intermittent	970	940	750	600	470	375	300	240	200
<b>Torque</b> in-lb (Nm)	Continuous	885 (100)	1681 (190)	2124 (240)	2584 (292)	3212 (363)	3168 (358)	3115 (352)	3186 (360)	3717 (420)
	Intermittent	1115 (126)	1947 (220)	2478 (280)	3009 (340)	3805 (430)	3965 (448)	4159 (470)	4159 (470)	4850 (548)
<b>Power</b> H.P.(kW)	Continuous	10.3 (7.7)	20.1 (15)	20.1 (15)	18.8 (14)	18.8 (14)	14.8 (11)	12.1 (9)	9.4 (7)	11.5 (8.6)
	Intermittent	13.0 (9.7)	22.8 (17)	22.8 (17)	21.4 (16)	21.4 (16)	18.8 (14)	16.1 (12)	12.1 (9)	16.1 (12)
<b>Pressure</b> PSI (Mpa)	Continuous	2030 (14)	2537 (17.5)	2537 (17.5)	2537 (17.5)	2392 (16.5)	1885 (13)	1595 (11)	1595 (11)	1450 (10)
	Intermittent	2537 (17.5)	2900 (20)	2900 (20)	2900 (20)	2900 (20)	2537 (17.5)	2030 (14)	1810 (12.5)	1667 (11.5)
<b>Flow</b> 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)
<b>Weight</b> Lbs (kg)		14.8 (6.7)	15.2 (6.9)	15.3 (7.0)	15.8 (7.2)	16.5 (7.5)	17.6 (8.0)	18.7 (8.5)	19.8 (9.0)	20.5 (9.3)

**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