

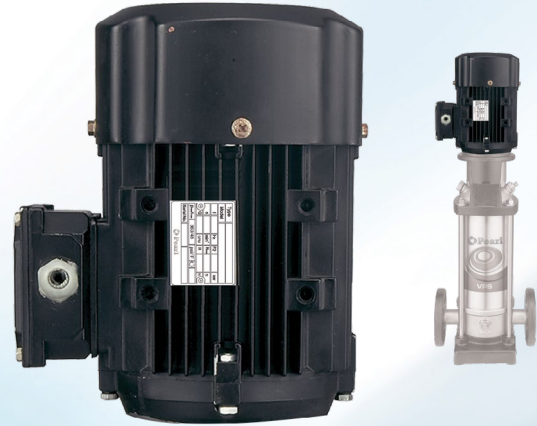
# Motors for Vertical Pumps

## MVP IEC Motor

Squirrel cage in short circuit, aluminum casing up to 30 hp, totally enclosed, fan-cooled, 2-pole standard PEARL motor.

PEARL TEFC motors meet or exceed requirements for High efficiency with Aluminum motor casing.

- The TEFC enclosure protects the motor from harsh environments because air does not pass freely through the motor. An external shaft-driven fan circulates air over the frame housing.
- Class F insulation
- MVP have an insulation system that meets the requirements of IEC for VFD use and are considered Inverter Ready.
- TEFC motors are available in single or three phase, rigid base or C-Face (with or without base).



### IEC Motor components

MOTOR HP	PHASE	VOLT	CAPACITOR	UPPER BEARING	BOTTOM BEARING
0.5	1	115/230	25 µF/250V	6201ZZ-C3	6204ZZ-C3
0.75	1	115/230	40 µF/250V	6201ZZ-C3	6204ZZ-C3
1	1	115/230	50 µF/250V	6201ZZ-C3	6204ZZ-C3
1.5	1	115/230	25 µF/450V	6201ZZ-C3	6204ZZ-C3
2	1	115/230	30 µF/450V	6304ZZ-C3	6205ZZ-C3
2	3	230-460	--	6304ZZ-C3	6205ZZ-C3
3	1	115/230	40 µF/450V	6304ZZ-C3	6205ZZ-C3
3	3	230-460	--	6304ZZ-C3	6205ZZ-C3
5	3	230-460	--	6307ZZ-C3	6305ZZ-C3
7.5	3	230-460	--	6306ZZ-C3	6309ZZ-C3
10	3	230-460	--	6306ZZ-C3	6309ZZ-C3
15	3	230-460	--	6308ZZ-C3	6310ZZ-C3
20	3	230-460	--	6308ZZ-C3	6310ZZ-C3
25	3	230-460	--	6309ZZ-C3	6311ZZ-C3
30	3	230-460	--	6309ZZ-C5	6311ZZ-C3
40	3	230-460	--	6310ZZ-C3	6312ZZ-C3
50	3	230-460	--	6312ZZ-C3	6314ZZ-C3
60	3	230-460	--	6312ZZ-C3	6314ZZ-C3
75	3	230-460	--	6314ZZ-C3	7314ZZ-C3
100	3	230-460	--	6314ZZ-C3	7314ZZ-C3

Maximum Operating Pressure = Pump Inlet Pressure + Pump Pressure

### IEC Electrical data

MOTOR TYPE				NOMINAL CURRENT IN [ A ]				
HP	KW	POLE	FLANGE	FRAME	1PH / 115 V	1PH / 230 V	3PH / 230 V	3PH / 460 V
0.5	0.37	2 (3450 rpm)	B14	71A	6.2	3.1	1.7	1.0
0.75	0.55			71B	8	4	2.4	1.4
1.0	0.75			80A	10.4	5.2	3.1	1.8
1.5	1.1			80B	-	8.9	4.5	2.4
2.0	1.5			90S	-	9.7	5.9	3.5
3.0	2.2			90L	-	13.8	8.6	4.6
4.0	3			100L	-	-	11.4	6.1
5.0	4			112M	-	-	14.2	7.5
7.5	5.5			132S	-	-	18.5	9.1
10	7.5			132S	-	-	24.7	12.5
15	11		160M	-	-	37.0	19.6	
20	15		160M	-	-	48.5	23.5	
25	18.5		160L	-	-	59.7	28.5	
30	22		180M	-	-	70.4	33.8	
40	30		200L	-	-	97.2	51.4	
50	37		200L	-	-	118.2	62.5	
60	45		225M	-	-	143.5	75.9	
75	55		250M	-	-	174	92	
100	75		280S	-	-	235.8	124.7	
				B5				