



Quality, Reliability, Life

4", 5", 6" Submersible Motor



www.prakashpump.com

4" Submersible Motor

Applications

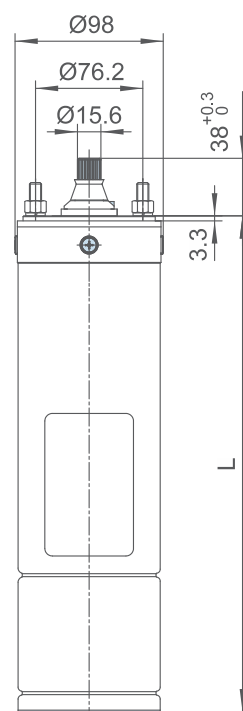
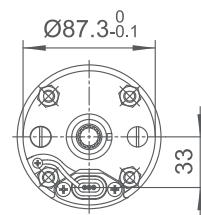
- Domestic water supply
- Irrigation in horticulture and agriculture
- Ground water lowering
- Pressure boosting system

Product feature

- Motors are designed with quality material and unique features to assure years of dependable operation.
- NEMA Standard flange connector.
- Oil-filled motor keeps windings cool, permanently lubricated bearings to provide reliable pump service.
- Watertight double-insulated cable entry system prevents capillary action and protects against moisture .
- A rubber diaphragm is provided to guard against pressure and volume variations due to thermal expansion of oil inside the motor.

Specification

- Insulation class: F
- Protection class: Ip68
- Water temperature: up to 45°C
- Water PH: 6.5-8.0
- Cooling flow rate: Min.8cm/sec
- Special oil for middle east market
- Number of starts per hour: Max.30
- Maximum immersion depth: 150m
- Fluid-lubricated thrust bearings.
- Lip seal protected by sand guard.
- Fitted with watertight connector.
- Speed: 2900 rpm
- Pole: 2P
- Power: single-phase: 0.75 kW - 2.2kW
three-phase: 2.2kW - 4kW
- Power supply: Single phase 230V ±10%, 50Hz
Three phase 400V ±10%, 50Hz
- Axial load: 1500 N(0.37 kW ~ 0.75 kW);
2500 N(1.1 kW ~ 2.2 kW);
4500 N(3 kW ~ 4 kW);



Model	KW	HP	PHASE	L	Net Wt.
				mm	Kg.
PSM1.0-100S	0.75	1	SINGLE PHASE	378	9
PSM1.5-100S	1.1	1.5		442	11
PSM2.0-100S	1.5	2		472	12.4
PSM3.0-100S	2.2	3		517	14.8
PSM3.0-100T	2.2	3	THREE PHASE	502	13.8
PSM4.0-100T	3	4		552	16.6
PSM5.0-100T	4	5.5		602	19

5" & 6" Submersible Motor



Applications

- Domestic water supply to waterworks
- Irrigation in horticulture and agriculture
- Drip and sprinkler irrigation
- Pressure boosting application
- Water treatment
- Civil and Industrial application

Product feature

- Easily rewind able (wet wound) induction motor with PVC/ Poly wrapping insulated winding.
- Water lubricated radial and thrust bearing.
- Corrosion resistance stainless steel stator jacket.
- Non-contaminating water filling design.
- High efficiency electrical design for low operation cost.
- Tropical zed design. (Lower winding temperature)
- 6" NEMA flange with stud M12.
- Cable material according to drinking water regulation.
- All motors profiled and 100% tested.
- Sand slinger for high performance in sand.

Specification

- Water temperature : Up to 45°C
- Minimum internal diameter of well: 6" Ø150mm.
- Power : 4.0Kw to 37.0Kw
- Power Supply: Three phase 380V-415V ±10%, 50 Hz.
- Insulation Class: B
- Protection Class : IP 68
- Maximum immersion depth : 450m
- Max. No of starts per hour: 25
- Rotating: CCW and CW.
- Standard motor with poly wrapping insulated winding
- Speed: 2900 rpm
- Pole: 2P
- Ambient temp. of 30°C with a min. Cooling flow: 4.0Kw-15kw V=0.2m/s
18.5Kw-37kw V=0.5m/s
- Installation position : vertical/Horizontal
- Duty: S1

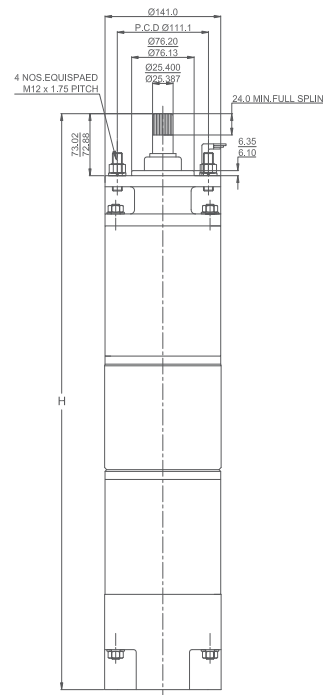


**PSMC150
Motor**

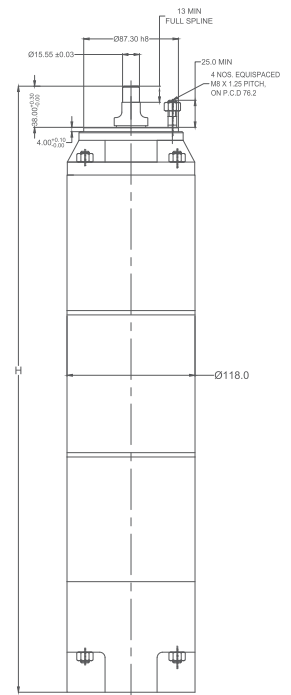


**PSMC125
Motor**

PSMC150 Motor



PSMC125 Motor



MODEL	KW	HP	MOTOR HEIGHT (mm)
PSMC150-5.5	4	5.5	702
PSMC150-7.5	5.5	7.5	777
PSMC150-10	7.5	10	817
PSMC150-15	11	15	877
PSMC150-20	15	20	977
PSMC150-25	18.5	25	1027
PSMC150-30	22	30	1102
PSMC150-35	26	35	1172
PSMC150-40	30	40	1277
PSMC150-50	37	50	1377

MODEL	KW	HP	MOTOR HEIGHT (mm)
PSMC125-7.5	5.5	7.5	779
PSMC125-10	7.5	10	859



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