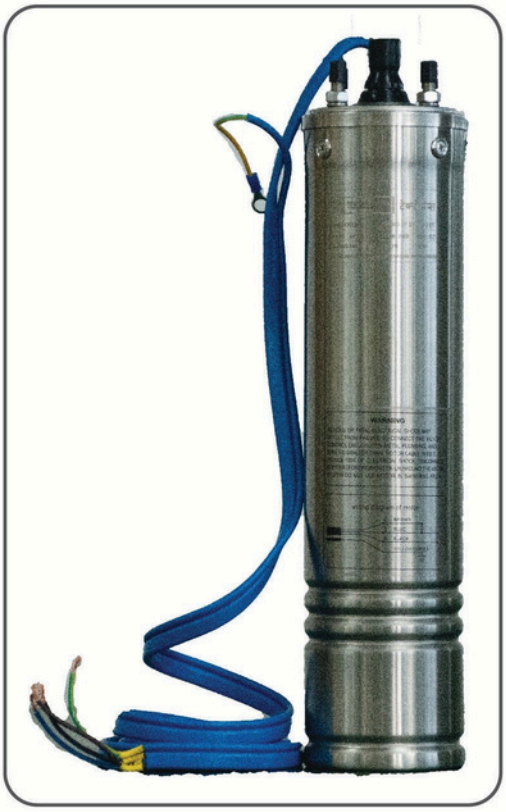
4” Submersible Motor

Applications

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



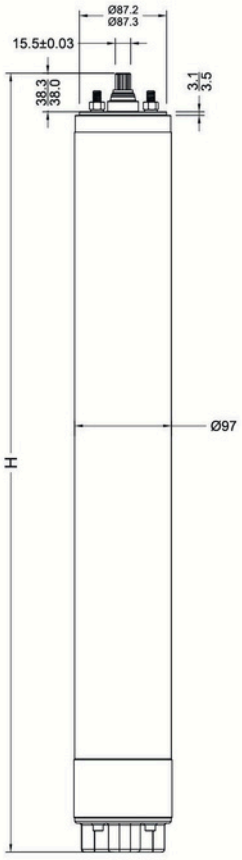
4” Submersible Motor

Product feature

- Easily rewindable (wet wound) induction motor with PVC/ Poly wrapped insulated winding.
- Water Lubricated Radial Bearing and High capacity Kingsbury type thrust bearing for 100% maintenance free operation.
- 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)
- Cable material according to drinking water regulation.
- All motors prefilled and 100% tested.
- Sand slinger for high performance in sand.

Specification

- 4” NEMA Flange with M8 Stud.
- Water temperature: up to 45^{0} C
- Minimum internal diameter of well: 4” Ø100mm.
- Power Range: 2.2KW to 4KW (Three Phase) 0.75KW to 2.2KW (Single Phase)
- Power Supply: Three Phase 380V-415V ±10%, 50Hz
  Single Phase 220V-240V ±10%, 50Hz
- Insulation Class: F
- Protection Class: IP 68
- Max. No of starts per hour: 25
- Direction Of Rotation counter clock wise facing shaft end
- (Rotation Reversible for three phase Motor)
- Standard motor with poly wrapped insulated winding
- Speed: 2850 RPM
- Pole: 2 Pole
- Ambient temp of 30^{0}C with a min. Cooling Flow: 0.75KW-4.0KW
- Installation position: vertical/Horizontal
- Duty: S1



Technical Data, 50Hz, 220V-240V, 2900 RPM

Model	Motor Power		Max. Full Load (A)	Starting Current (A)	Full Load		Method of Start	Max. Down Thrust Load(N)	Torque (Nm)	Starting Torque (Nm)
	kW	HP			Eff. %	Power Factor				
TECH-SM1S	0.75	1.0	7.5	26	54	0.9	CSCR	3000	2.5	4.1
TECH-SM1.5S	1.1	1.5	10	40	57	0.95	CSCR	3000	3.7	6.1
TECH-SM2S	1.5	2.0	12	48	60	0.95	CSCR	3000	4.9	8.3
TECH-SM3S	2.2	3.0	19	66	62	0.95	CSCR	6500	7.4	13.3

Technical Data, 50Hz, 380 V - 415 V, 2850 RPM

Model	Motor Power		Max. Full Load (A)	Starting Current (A)	Full Load		Method of Start	Max. Down Thrust Load(N)	Torque (Nm)	Starting Torque (Nm)
	kW	HP			Eff. %	Power Factor				
TECH-SM3T	2.2	3.0	7	23	69	0.78	D.O.L	6500	7	15
TECH-SM5.5T	4	5.5	10	43	75	0.80	D.O.L	6500	14	31