



FEATURES

- Suitable for size of 100 mm (4"), 150 mm (6") & above bore well respectively.
- Up to 90% Motor Efficiency
- 20 to 30% Higher Efficiency than Star Rated Pump sets.
- Easy Rewindable & Repairable Water Filled Submersible Motor.
- Smooth Starting Using VFD Controller and can be Used Low Voltage Area.
- Virtually NO Maintenance Cost.
- Premium Material SS/CI Robust Construction
- Nema Standards,
- Suitable for 110 to 415 Voltages for 3-phase.
- Frequency: Upto 110 Hz / 145 Hz
- Speed: 3300 RPM / 4350 RPM

Technical Specifications

Nominal Dia	4" Motor (100mm)	
Max. Outer Diameter	3.74" (95 mm)	
Power Range	3Ph	1 HP to 10 HP
Nominal Speed	3300 RPM & 4500 RPM	
Voltage Range	3Ph	110V to 450V, 60 Hz, A.C Supply
Class of Insulation	F	
Degree of protection	IP 58	
Direction of rotation	Anti-Clock wise	
Type of duty	S1 (continues)	
Minimum cooling flow	0.15 m/sec	
Max. Liquid temp.	92°F / 120°F (33°C / 50°C)	
Starts per hour	20 Times	
Method of starting	1 HP to 10 HP (VFD)	
Cable lead out type	3 Core Flat Cable	

Technical Specifications

Nominal Dia	6" Motor (150mm)	
Max. Outer Diameter	5.66" (144 mm)	
Power Range	3Ph	15 HP & 20 HP
Nominal Speed	3300 RPM & 4500 RPM	
Voltage Range	3Ph	110V to 450V, 60 Hz, A.C Supply
Class of Insulation	F	
Degree of protection	IP 58	
Direction of rotation	Anti-Clock wise	
Type of duty	S1 (Continues)	
Minimum cooling flow	0.15 m/sec	
Max. Liquid temp.	92° F / 120° F (33° C / 50° C)	
Starts per hour	20 Times	
Method of starting	15 HP & 20 HP (VFD)	
Cable lead out type	3 Core Flat Cable	

Technical Details

Model	Motor Rated Power - P ₂ (kW)	Motor Rated Power - P ₂ (HP)	Motor input Power - P ₁ (W)	Motor Nominal Voltsge	Max. PV Panel Power Voltage - Vmp	Current at Vmp - Imp (A)	Full Load Efficiency (%)	Full Load Power Factor	Height (mm)	Net Weight (kg)
PM4-07T	0.75	1	1200	80	111	9	79	0.83	390	12
PM4-07T	0.75	1	1200	110	148	10	79	0.83	390	12
PM4-15T	1.5	2	1800	160	222	9	81	0.83	410	12.5
PM4-22T	2.2	3	3000	230	370	10	85	0.82	440	15
PM4-37T	3.7	5	4800	380	555	10	85	0.82	490	18
PM4-55T	5.5	7.5	6750	280	407	18	87	0.84	540	20
PM4-75T	7.5	10	9000	380	555	18	87	0.84	600	24

Model	Motor Rated Power - P ₂ (kW)	Motor Rated Power - P ₂ (HP)	Motor input Power - P ₁ (W)	Motor Nominal Voltsge	Max. PV Panel Power Voltage - Vmp	Current at Vmp - Imp (A)	Full Load Efficiency (%)	Full Load Power Factor	Height (mm)	Net Weight (kg)
PM6-110T	11	15	14400	380	555	27	90	0.85	769	57
PM6-150T	15	20	18000	380	555	36	90	0.86	841	65