FIDEL®
PUMPS & MOTORS

V6 WATER-LUBRICATED SUBMERSIBLE MOTORS

Engineered for continuous underground water applications across global markets



PRODUCT RANGE

6" Water-Lubricated Submersible Motor

- Power: 5.5 HP – 50 HP
- Voltage: 230 V – 460 V
- Frequency: 50 Hz / 60 Hz

ISO 9001:2015 certified | Made in India | Export Worldwide

www.fidelpump.com

WHY GLOBAL BUYERS CHOOSE FIDEL

Fidel Pump Pvt. Ltd. is an ISO 9001:2015 certified Indian manufacturer of submersible pumps and motors with proven manufacturing expertise since 2004. We specialize in engineering reliable, efficient, and durable water-handling solutions for demanding operating environments. Our V6 water-lubricated submersible motors are designed for continuous S1 duty operation, harsh groundwater conditions, wide voltage fluctuations, and long operating hours—conditions commonly found in GCC, African, and Asian markets. With compatibility across international electrical standards and proven performance in agriculture, industrial, and municipal water applications, Fidel delivers export-ready motors built for long service life, stable performance, and dependable operation.

KEY ADVANTAGES

Water-Lubricated Design
Ensures efficient cooling, reduced friction, and extended motor life.

Rewindable & Low-Noise Construction
Allows easy servicing & long-term maintenance while maintaining quiet operation.

High Thrust Bearing Capacity
Suitable for deep installations and high axial load conditions.

Dynamically Balanced Rotor
Minimizes vibration and enhances mechanical stability.

Stable Performance under Voltage Fluctuation
Designed for regions with an unstable power supply.

MATERIAL QUALITY

- Motor Shaft: Stainless Steel
- Fasteners: Stainless Steel
- Thrust bearing: High-grade precision bearings
- Motor Shell: Stainless Steel
- Sand Guard: Nitrile Rubber
- Mechanical Seal: Carbon + Ceramic

VOLTAGE & FREQUENCY FLEXIBILITY

50 Hz & 60 Hz compatible | Multiple voltage options | One motor platform for global markets



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TECHNICAL SPECIFICATIONS

Parameter	Specification
Motor Type	6" Water-Lubricated Submersible Motor
Power Range	5.5 HP (4 kW) – 50 HP (37 kW)
Frequency	50 Hz / 60 Hz
Voltage	230–380–460 (60Hz) / 380–400–415 (50Hz)
Phase	Three Phase
Speed	Approx. 2900 RPM (50 Hz) / 3450 RPM (60 Hz)
Degree of Protection	IP68
Insulation Class	Class F
Maximum Water Temperature	35°C
Starts per Hour	Maximum 30
Allowable Voltage Variation	+6% / –10%
Connection	Star / DELTA
Coupling Dimension	As per the NEMA standard
Thrust Capacity	Approx. 15500 / 27500 N
Motor Cable	3 Meter

OPERATING CONDITIONS

- Clean water applications
- Continuous duty operation
- Suitable for deep borewell installations
- Designed for long service life with minimal maintenance

EXPORT & COMMERCIAL INFORMATION

HS Code: 85015290 | Markets: GCC, Asia, and Africa | Packaging: SEA-worthy | MOQ: As per model
Customization: Available as per order quantity

APPLICATIONS



NAYA YUG, NAYA JOSH

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MODEL RANGE – V6 SUBMERSIBLE MOTOR | 2 POLE (60Hz /50Hz)

60 Hz Models:

HP/kW	Voltage	Thrust Capacity	Motor Length (MM)	Motor Weight (KG)
5.5/4	230/380/460	15500	789	44
7.5/5.5	230/380/460	15500	819	47
10/7	230/380/460	15500	869	53
12.5/9.3	230/380/460	15500	929	60
15/11	230/380/460	15500	959	64
17.5/13	230/380/460	15500	1049	74
20/15	230/380/460	15500	1109	81
25/18.5	230/380/460	27500	1189	90
30/22	230/380/460	27500	1299	95
35/26	230/380/460	27500	1369	111
40/30	230/380/460	27500	1459	106
50/37	230/380/460	27500	–	–

50 Hz Models:

HP/kW	Voltage	Thrust Capacity	Motor Length (MM)	Motor Weight (KG)
5.5/4	380/400/415	15500	–	–
7.5/5.5	380/400/415	15500	789	44
10/7	380/400/415	15500	819	47
12.5/9.3	380/400/415	15500	869	53
15/11	380/400/415	15500	929	60
17.5/13	380/400/415	15500	959	64
20/15	380/400/415	15500	1049	74
25/18.5	380/400/415	27500	1109	81
30/22	380/400/415	27500	1189	90
35/26	380/400/415	27500	1299	95
40/30	380/400/415	27500	1369	111
50/37	380/400/415	27500	1459	106

Note: For additional details and technical sheets, please contact us.

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Important Notes: - Product images and photographs in this catalog are for illustration purposes only. Actual physical motors may differ in appearance. - Specifications are subject to change without prior notice as part of continuous product improvement. - All dimensions and weights are approximate and may vary by ±5%.