Equipment and solutions

Franklin Electric 6″ Encapsulated

Submersible Motor

Product technical datasheet

Franklin Electric 6″ encapsulated submersible motors, 4kW to 45kW.



FT-P015 · Rev. 1

Franklin Electric 6″ Encapsulated submersible motors combine 4kW to 45kW power output with corrosion resistance and energy efficiency. Suitable for water pumping systems, featuring a sturdy design with resin encapsulation and water lubrication.

Applications

- Agricultural irrigation and gardens.
- High demand water supply
- Large diameter boreholes
- Hydropneumatic systems.
- Water treatment

Operating conditions

- Confirm the installation conditions, power supply and duty point before commissioning.

Engineering note	Confirm the installation conditions, power supply and duty point before commissioning.
Complementary equipment	Contact JOVAL for compatible accessories and equipment.
Resources and support	Pump selection guide · JOVAL technical support
Contact	+351 253 490 740 · joval@joval.pt

Technical specifications

Flange

6" NEMA

Protection

IP 68

Insulation

Class F

Ambient Temp.

4-30kW: 30°C / 37-45kW: 50°C

Starts/Hour

20

Installation

Vertical / Horizontal

Standard Voltage

380-415V/50Hz ; 460V/60Hz

Voltage Tolerance

+6% / -10% UN

Motor Protection

DIN 60947-4-1 (Class 10/10A)

Storage Temp.

-15°C to +60°C

Cooling Flow

min. 0,16 m/s

Note

Cables included

Power Range

4kW – 45kW

Stator

Hermetically sealed stator

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Technical specifications

Resin	Self-healing stator resin prevents overheating
Bearings	Water lubricated radial and thrust bearing
Material	Stainless Steel AISI 304 (1.4301) AISI 304 SS
Connector	Removable Water Bloc™ lead connector
Sand Fighter®	Mechanical Seal
Filling	FES91/92 (Non-contaminating water filling)
Efficiency	High efficiency electrical design
Starting Torque	Automatic reversal starting torque
Approvals	KTW/VDE approved motor leads
Variants	Available in 316SS and 904L versions

Engineering note Confirm the installation conditions, power supply and duty point before commissioning.

Motor Cables

Dimensions and models

Code	Model	Description
2032025004	310 125 004	4-core cable
2032045004	310 145 004	4-core cable