

4" Encapsulated Motor Set



4" Super Stainless PSC Motor Set

Submersible Motor Set Quality in the Well

In an effort to ease our customers ordering, stock holding and inventory management, Franklin Electric Europa GmbH is introducing the PSC Motor Kit.

Consisting of the submersible motor, control box, motor short lead and splicing kit all packaged into one compact yet sturdy box, this kit is the ideal stock item to drive your pump.



Product advantages:

- One stop shop – no hassle selecting different components to work together
- Everything available at the same time
- All components matched and warranted by Franklin Electric
- Maximum flexibility – one motor kit can drive as many as 5 different pump models
- Any practical drop cable length (up to 10mm²) can be spliced using included kit

Technical Specifications

- Motor range 0,25 - 2,2kW
- 4" PSC Motor with NEMA flange
- Motor protection level: IP 68
- Box protection level: IP 54
- Voltage: 220 - 240V; - 6 / +10 %; 50Hz single phase

Options

- Motor cable VDE, KTW approved (1,5m; special lengths available)

PSC Motor Set Model numbers		
P_N [kW]	U_N [V]	Model No.
0,25	220-230	254 803 1621C
	230-240	254 813 1621C
0,37	220-230	254 805 1621C
	230-240	254 815 1621C
0,55	220-230	254 807 1621C
	230-240	254 817 1621C
0,75	220-230	254 808 1621C
	230-240	254 818 1621C
1,10	220-230	254 809 1621C
	230-240	254 819 1621C
1,50	220-230	254 810 1621C
	230-240	254 820 1621C
2,20	220-230	254 811 2521C
	230-240	254 821 2521C

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PSC Motor Set Description

The PSC Motor

Submersible Motors Quality in the Well

Franklin Electric 4" encapsulated PSC single Phase Motors, manufactured in ISO 9001 certified facilities, for operation with permanent split capacitor and overload. This motor is built for dependable operation in 4" diameter or larger water wells, with excellent low voltage behavior and a high starting torque. It is fitted with water lubricated radial and thrust bearings for maintenance-free operation. The motor is filled with a special FES93 fluid, providing frost protection down to -40°C storage temperature. A special diaphragm ensures pressure compensation inside the motor.



Product advantages:

- Hermetically sealed stator, anti track, self healing stator resin prevents motor burn out
- High efficiency electrical design (low operation cost, cooler winding temperature)
- Removable "Water bloc" lead connector
- Cable material in accordance with regulations for drinking water (KTW approved)
- Water lubricated radial and thrust bearings
- All motors pre-filled and 100% tested. Non contaminating, FES93-filled design.

Technical Specifications Standard Motor:

- 0,25 - 2,2kW
- 4" NEMA flange
- Rotation: CCW facing shaft end
- Degree of protection: IP 68
- Insulation: Cl. B
- Rated Ambient temp.: 30°C
- Cooling flow: min. 8cm/s
- Starts / h: 20
- Mounting: vertical/horizontal
- Voltage tolerance: +6% / -10% UN
- Motor protection: Select thermal overloads according to EN 60947-4-1. Trip time ≤ 10 s at $5 \times I_N$

The SubStartSC® Single phase Submersible Motor Starter

The SubStartSC® range covers all PSC motors from 0.25kW to 2.2kW for all voltages. Ergonomic design, attention to detail and unique features make the SubStartSC® motor starter range your first choice when considering submersible motor protection. In conjunction with Franklin Electric submersible motors you now have an tangible water system advantage resulting in ease of installation and reliable protection.

Product features:

- Attention to detail – every aspect engineered for the application
- The complete package – The device is 100% compatible with the motor characteristics
- All in one name – Reliability backed by the leader in submersible motors



The Lead Termination Kit 1,5 - 10mm²

- 3M Quality
- 4 wire
- 1,5 - 10mm²
- up to 1,1kV

