



Dimensions are available on page 2



Quality in the Well

Franklin Electric's 4" three-phase Motors are manufactured according to ISO 9001 standards. These motors are built for dependable, maintenance-free operation and provide long life for your submersible pump operation.

Product features:

- Hermetically sealed stator
- Water lubricated radial and thrust bearing
- Corrosion resistant AISI 304 SS material
- Removable Water Bloc™ motor cable connector
- Anti-track, self healing stator resin prevents motor burn out
- High efficiency electrical design (lower operating cost, cooler winding temperature)
- Non-contaminating, water-filled design
- KTW/VDE approved motor leads

Specifications

4" NEMA flange
 Degree of protection: IP 68
 Insulation: Cl. B
 Ambient temp.: 30°C
 Cooling Flow: Motors rated 1,5 kW and higher, min. cooling flow 8cm/sec. Below 1,5 kW cooling flow is optional.
 Starts/h: 20
 Mounting: Vertical/horizontal
 Voltage tolerance: +6% / -10% U_N
 Motor protection: Select thermal overloads according to EN 60947-4-1 Trip time < 10sec. at 5 x I_N
 Standard motor cable: 4x 1,5 mm² ; 1,5 m length of 2,5 m for all 6500 N rated motors

Standard

- 0,37 - 7,5kW
- 220V - 500 V / 50 Hz
- 380V - 415V / 50 Hz
- Thrust capacity: 1.500N; 3.000N; 4000N; 6.500 N

Options

- Special voltages
- AISI 316 Stainless Steel

4" Three-Phase - 400 V - 50 Hz

| P _N [kW] | Thrust [N] | n _N [min ⁻¹] | I _N [A] | I _{START} [A] | η (Eff.) [%] | COS φ (Pf.) | T _{START} [Nm] | T _N [Nm] | L [mm] | m [kg] |
|---------------------|------------|-------------------------------------|--------------------|------------------------|--------------|-------------|-------------------------|---------------------|--------|--------|
| 0,37 | 1500 | 2865 | 1,1 | 4,7 | 66 | 0,70 | 2,5 | 1,2 | 223,0 | 7,3 |
| 0,55 | 1500 | 2855 | 1,6 | 6,4 | 67 | 0,75 | 3,5 | 1,9 | 242,1 | 8,3 |
| 0,75 | 1500 | 2870 | 2,1 | 9,3 | 69 | 0,75 | 5,3 | 2,5 | 270,8 | 9,6 |
| 1,10 | 3000 | 2840 | 3,0 | 14,5 | 73 | 0,76 | 10,6 | 3,7 | 298,5 | 10,8 |
| 1,50 | 3000 | 2855 | 4,0 | 19,2 | 73 | 0,76 | 12,6 | 5,0 | 327,2 | 12,1 |
| * 2,20 | 4000 | 2840 | 5,9 | 28,9 | 75 | 0,75 | 23,6 | 7,5 | 355,9 | 13,5 |
| | 6500 | 2840 | 5,9 | 28,9 | 75 | 0,75 | 23,6 | 7,5 | 440,4 | 16,1 |
| * 3,00 | 4000 | 2850 | 7,8 | 41,6 | 76 | 0,75 | 31,5 | 9,9 | 422,8 | 16 |
| | 6500 | 2850 | 7,8 | 41,6 | 76 | 0,75 | 34,0 | 9,9 | 507,1 | 19,1 |
| * 3,7 | 6500 | 2850 | 9,1 | 49 | 77 | 0,79 | 38,8 | 12,4 | 545,2 | 20,9 |
| * 4,0 | 6500 | 2855 | 10,0 | 58 | 78 | 0,78 | 46,1 | 13,7 | 583,3 | 24,1 |
| * 5,5 | 6500 | 2850 | 13,7 | 76 | 76 | 0,79 | 51,8 | 18,7 | 697,6 | 29,4 |
| * 7,5 | 6500 | 2820 | 18,4 | 102 | 74 | 0,79 | 89,9 | 25,1 | 773,8 | 33,0 |

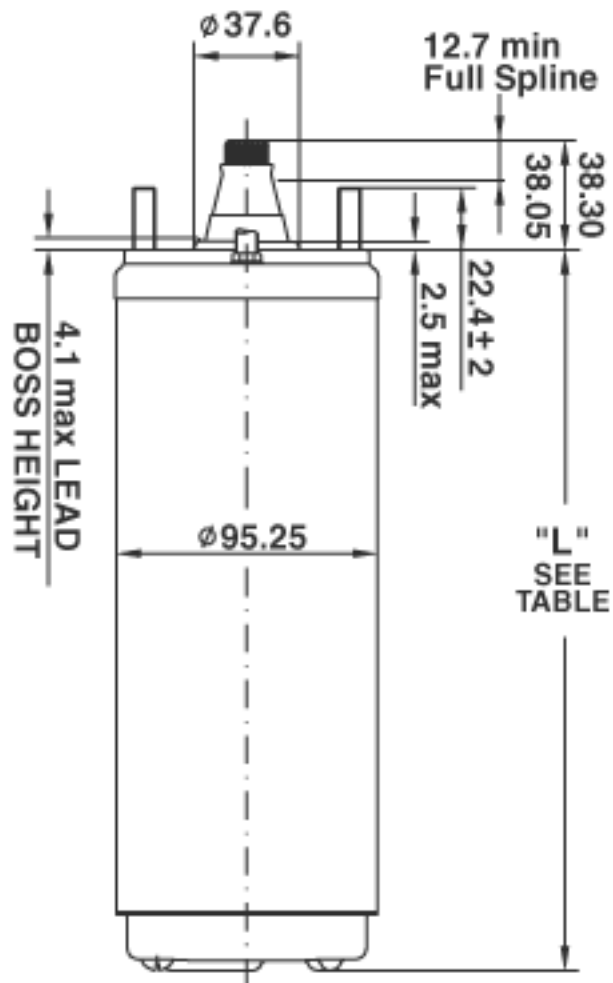
* Denotes High Thrust

Dimensions are available on page 2



Technical data available on page 1

Package Dimensions 4" PSC - 50Hz



| P_N | L | m | Motor Package Size | Shipping Weight |
|-------|-------|------|--------------------|-----------------|
| [kW] | [mm] | [kg] | [mm] | [kg] |
| 0,25 | 223,0 | 7,3 | 800 x 500 x 870 | |
| 0,37 | 242,1 | 8,3 | 800 x 500 x 870 | |
| 0,55 | 270,8 | 9,6 | 800 x 500 x 870 | |
| 0,75 | 298,5 | 10,8 | 800 x 500 x 870 | |
| 1,10 | 327,2 | 12,1 | 800 x 500 x 870 | |
| 1,50 | 355,9 | 13,5 | 800 x 500 x 870 | |
| 2,20 | 460,4 | 18 | 800 x 500 x 870 | |

