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### 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<sub>N</sub>  
 Motor protection: Select thermal overloads according to EN 60947-4-1 Trip time < 10sec. at 5 x I<sub>N</sub>  
 Standard motor cable: 4x 1,5 mm<sup>2</sup> ; 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 <sub>N</sub> [kW]	Thrust [N]	n <sub>N</sub> [min <sup>-1</sup> ]	I <sub>N</sub> [A]	I <sub>START</sub> [A]	η (Eff.) [%]	COS φ (Pf.)	T <sub>START</sub> [Nm]	T <sub>N</sub> [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

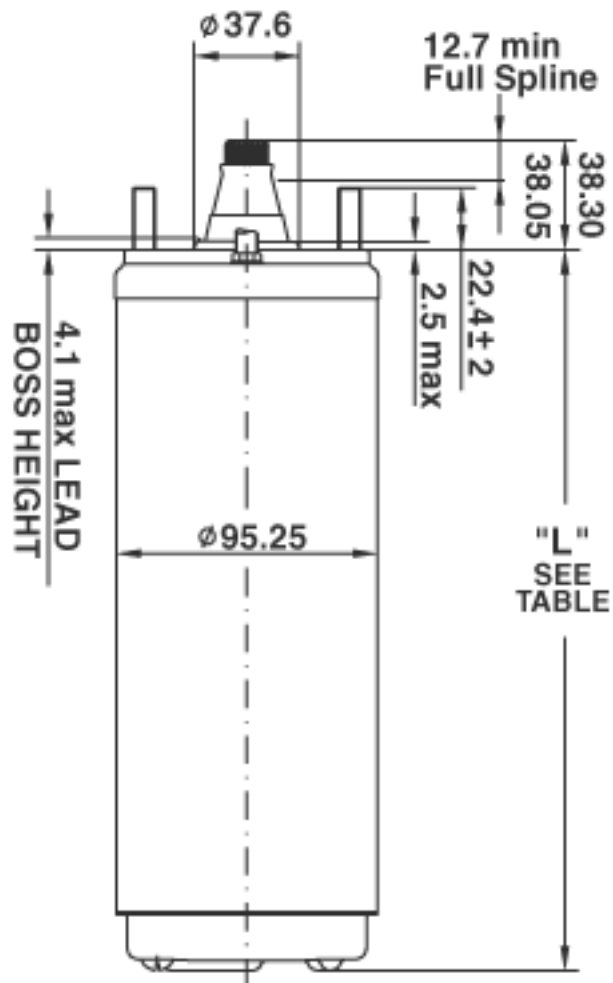
\* Denotes High Thrust

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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	

