

4FK

4" encapsulated FRANKLIN ELECTRIC submersible motors

 Domestic use

 Civil use

 Industrial use



PERFORMANCE

- Power from **0.37** to **7.5 kW**

APPLICATION LIMITS

- Maximum liquid temperature **+35 °C**
- **100 m** immersion limit
- Starts/hour: **20** at regular intervals
- Minimum flow rate for motor cooling **8 cm/s**
- Continuous service **S1**

ELECTRIC MOTOR

- 2 pole electric motor, 50 Hz (n ~ 2900 rpm)
- Voltage:
 - single-phase **230 V** up to 2.2 kW
 - three-phase **400 V**
- Insulation: class B
- Protection: IP 68

CONSTRUCTION AND SAFETY STANDARDS

- Encapsulated water filled submersible motors
- Dimensions of the flange connection in accordance **NEMA** standards.

Complete with power cable of the following length:

- **1.5m** powers from 0.37 to 3 kW
- **2.5 m** powers from 4 to 7.5 kW

⇒ **Single-phase versions supplied with a capacitor included in the packaging.**

EN 60034-1
IEC 60034-1
CEI 2-3



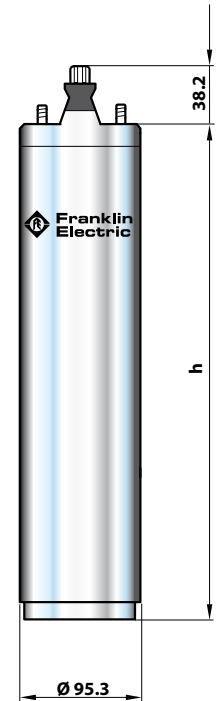
OPTIONS AVAILABLE ON REQUEST

- Other voltages

PERFORMANCE DATA

Single-phase versions

MODEL	Rated power P ₂		Axial load N	Revs rpm	Starting current Rated current	Power factor cos φ	Capacitor (VL=450V) μF	h mm	Weight kg
	kW	HP							
230 V / 50 Hz									
4FKm / 0.50	0.37	0.50	3000	2860	3.8	0.91	16	228	8.0
4FKm / 0.75	0.55	0.75		2850	4.1	0.94	20	253	9.2
4FKm / 1	0.75	1		2845	4.0	0.98	35	283	10.4
4FKm / 1.5	1.1	1.5		2845	4.0	0.92	40	307	11.8
4FKm / 2	1.5	2		2830	3.9	0.95	50	339	12.9
4FKm / 3	2.2	3	4000	2840	4.2	0.97	70	437	17.3



Three-phase versions

MODEL	Rated power P ₂		Axial load N	Revs 1/min	Starting current Rated current	Power factor cos φ	h mm	Weight kg
	kW	HP						
400 V / 50 Hz								
4FK / 0.50	0.37	0.5	3000	2870	4.9	0.74	214	7.2
4FK / 0.75	0.55	0.75		2870	4.6	0.74	228	7.7
4FK / 1	0.75	1		2865	5.3	0.77	248	8.7
4FK / 1.5	1.1	1.5		2850	5.7	0.78	283	10.2
4FK / 2	1.5	2		2855	5.3	0.78	307	11.2
4FK / 3	2.2	3	4000	2845	5.4	0.77	339	12.6
4FK / 4	3	4		2845	5.6	0.77	394	15
4FK / 5.5	4	5.5	6500	2840	5.8	0.77	543	20
4FK / 7.5	5.5	7.5		2865	6.1	0.81	693	26.6
4FK / 10	7.5	10		2855	5.8	0.81	731	30.6

ABSORPTION

MODEL	VOLTAGE
Single-phase	230 V
4FKm / 0.50	3.3 A
4FKm / 0.75	4.3 A
4FKm / 1	5.7 A
4FKm / 1.5	8.4 A
4FKm / 2	10.7 A
4FKm / 3	14.7 A

MODEL	VOLTAGE
Three-phase	400 V
4FK / 0.50	1.1 A
4FK / 0.75	1.6 A
4FK / 1	2.0 A
4FK / 1.5	2.8 A
4FK / 2	3.9 A
4FK / 3	5.5 A
4FK / 4	7.5 A
4FK / 5.5	9.9 A
4FK / 7.5	12.6 A
4FK / 10	17.1 A