



### PERFORMANCE RANGE

- Powers 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 1/min)
- Voltage:
  - single-phase **230 V** fino a 2.2 kW
  - three-phase **400 V**
- Insulation: B class
- Protection: IP 68

### CONSTRUCTION AND SAFETY STANDARDS

Resin encapsulated windings.

Flange coupling dimensions in compliance with **NEMA** standards.

Complete with power cable of the following length:

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

⇒ **Capacitor not included for single-phase versions.**

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



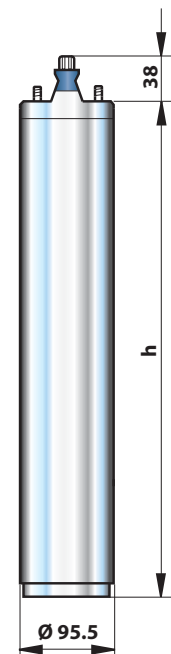
### OPTIONALS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency

## PERFORMANCE DATA

### Single-phase versions

MODEL	Rated power		Axial load	Revs	Starting current / Rated current	Efficiency	Power factor	Rated torque	Starting torque / Rated torque	Capacitor (Vc=450V)	h	Weight
	P2 kW	HP										
<b>230 V / 50 Hz</b>												
<b>4FKm / 0.50</b>	0.37	0.50	1500	2860	3.3	53%	0.93	1.2	0.8	16	242	8.3
<b>4FKm / 0.75</b>	0.55	0.75		2855	3.7	63%	0.94	1.8	0.8	20	271	9.6
<b>4FKm / 1</b>	0.75	1		2855	3.7	60%	0.98	2.5	0.9	30	298	10.8
<b>4FKm / 1.5</b>	1.1	1.5	3000	2855	3.7	62%	0.94	3.7	0.8	40	327	12.1
<b>4FKm / 2</b>	1.5	2		2825	3.3	66%	0.95	5.1	0.7	50	356	13.5
<b>4FKm / 3</b>	2.2	3	4000	2810	3.4	65%	0.99	7.5	0.6	70	460	18



### Three-phase versions

MODEL	Rated power		Axial load	Revs	Starting current / Rated current	Efficiency	Power factor	Rated torque	Starting torque / Rated torque	h	Weight
	P2 kW	HP									
<b>400 V / 50 Hz</b>											
<b>4FK / 0.50</b>	0.37	0.5	1500	2865	4.3	66%	0.7	1.2	2.1	223	7.3
<b>4FK / 0.75</b>	0.55	0.75		2855	4	67%	0.75	1.9	1.8	242	8.3
<b>4FK / 1</b>	0.75	1		2870	4.4	69%	0.75	2.5	2.1	271	9.6
<b>4FK / 1.5</b>	1.1	1.5	3000	2840	4.8	73%	0.76	3.7	2.9	298	10.8
<b>4FK / 2</b>	1.5	2		2855	4.8	73%	0.76	5	2.5	327	12.1
<b>4FK / 3</b>	2.2	3	4000	2840	4.9	75%	0.75	7.5	3.1	356	13.5
<b>4FK / 4</b>	3	4		2850	5.3	76%	0.75	9.9	3.2	423	16
<b>4FK / 5.5</b>	4	5.5	6500	2855	5.8	78%	0.78	13.7	3.4	583	24.1
<b>4FK / 7.5</b>	5.5	7.5		2850	6.0	76%	0.79	18.7	2.8	698	29.4
<b>4FK / 10</b>	7.5	10		2820	5.5	74%	0.79	25.1	3.6	774	33

## ABSORPTION

MODEL	VOLTAGE (single-phase)
Single-phase	230 V
<b>4FKm / 0.50</b>	<b>3.4 A</b>
<b>4FKm / 0.75</b>	<b>4.3 A</b>
<b>4FKm / 1</b>	<b>5.7 A</b>
<b>4FKm / 1.5</b>	<b>8.6 A</b>
<b>4FKm / 2</b>	<b>10.6 A</b>
<b>4FKm / 3</b>	<b>16.0 A</b>

MODEL	VOLTAGE (three-phase)	
Three-phase	230 V	400 V
<b>4FK / 0.50</b>	<b>1.9 A</b>	<b>1.1 A</b>
<b>4FK / 0.75</b>	<b>2.8 A</b>	<b>1.6 A</b>
<b>4FK / 1</b>	<b>3.6 A</b>	<b>2.1 A</b>
<b>4FK / 1.5</b>	<b>5.2 A</b>	<b>3.0 A</b>
<b>4FK / 2</b>	<b>6.9 A</b>	<b>4.0 A</b>
<b>4FK / 3</b>	<b>10.2 A</b>	<b>5.9 A</b>
<b>4FK / 4</b>	<b>13.5 A</b>	<b>7.8 A</b>
<b>4FK / 5.5</b>	<b>17.3 A</b>	<b>10.0 A</b>
<b>4FK / 7.5</b>	<b>23.7 A</b>	<b>13.7 A</b>
<b>4FK / 10</b>	<b>31.8 A</b>	<b>18.4 A</b>