

- ※ Encapsulated water-filled motors ensure absolute operational safety



- ※ New version with improved electrical performance and reduced absorption
- ※ Depth of use up to 300 m

- ※ Supply cable connector interchangeable with other motors
- ※ Improved thrust bearing

ELECTRIC MOTOR

The **4PS** series encapsulated 4" submersible motors are ideal for applications where reliable, maintenance-free operation is crucial.

Featuring a special "canned" construction, these motors eliminate the need for mechanical sealing, ensuring total safety against water infiltration into the electrical winding.

TECHNICAL DATA

- 2 poles, 50 Hz ($n \approx 2900 \text{ min}^{-1}$)
- Voltage:
 - single-phase 230 V
 - three-phase 400 V
- Power from **0.37 to 7.5 kW**
- Continuous running duty **S1**
- Class F insulation and IP 68 protection

AVAILABLE UPON REQUEST

- ※ Other voltages

MATERIALS AND COMPONENTS

- ※ Encapsulated water filled submersible motors
- ※ **Sleeve: AISI 304L stainless steel**
- ※ **Shaft: AISI 431 stainless steel**
- ※ Mating dimensions according to **NEMA** standard .
- ※ Power cable included:
 - **1.7 m** for power ratings from 0.37 to 2.2 kW
 - **2.7 m** for power ratings from 3 to 7.5 kW.

APPLICATION LIMITS

- Liquid temperature up to **+40 °C**
- Depth of use up to **300 m** below water level
- Starts per hour: max. **20** at regular intervals
- Minimum cooling flow **8 cm/s**

WARRANTY

- 3-Year Warranty Included in Our Standard Terms and Conditions

PERFORMANCE DATA

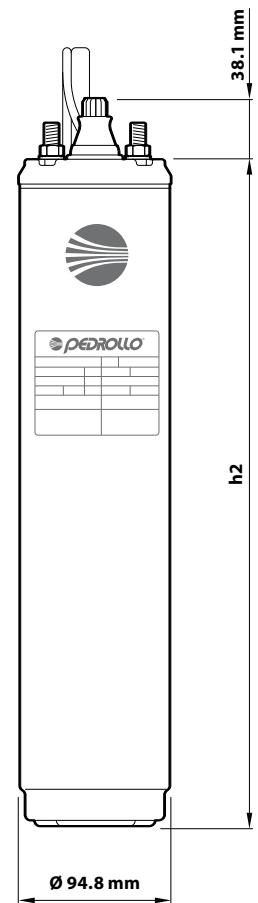
50 Hz

※ Single-phase versions - 230 V / 50 Hz

TYPE	Rated power		Axial load	Revolutions	Starting current Current nominal	Power factor	Capacitor (VL=450V)	h2	Weight
	P2 kW	HP							
Single-phase									
4PSm / 0.50	0.37	0.50	2000	2870	3.6	0.97	20	244	7.8
4PSm / 0.75	0.55	0.75		2850	3.7	0.98	25	264	8.4
4PSm / 1	0.75	1		2870	3.6	0.97	35	290	9.2
4PSm / 1.5	1.1	1.5	3000	2850	3.4	0.98	40	335	10.5
4PSm / 2	1.5	2		2860	3.5	0.99	60	370	11.6
4PSm / 3	2.2	3		2835	3.7	0.98	70	425	13.3

※ Three-phase versions - 400 V / 50 Hz

TYPE	Rated power		Axial load	Revolutions	Starting current Current nominal	Power factor	h2	Weight
	P2 kW	HP						
Three-phase								
4PS / 0.50	0.37	0.50	2000	2850	4.1	0.667	224	7.2
4PS / 0.75	0.55	0.75		2825	4.3	0.744	244	7.8
4PS / 1	0.75	1		2815	4.6	0.723	264	8.4
4PS / 1.5	1.1	1.5	3000	2835	4.6	0.768	290	9.2
4PS / 2	1.5	2		2830	4.7	0.773	335	10.5
4PS / 3	2.2	3		2820	5.3	0.755	370	11.6
4PS / 4	3	4	6500	2825	5.4	0.828	425	16.7
4PS / 5.5	4	5.5		2850	5.8	0.779	544	23.2
4PS / 7.5	5.5	7.5		2825	5.7	0.841	654	27.8
4PS / 10	7.5	10	2815	5.7	0.843	764	32.5	



ABSORPTION

TYPE	VOLTAGE
Single-phase	230 V
4PSm / 0.50	3.2 A
4PSm / 0.75	4.1 A
4PSm / 1	5.8 A
4PSm / 1.5	7.4 A
4PSm / 2	10.6 A
4PSm / 3	15.0 A

TYPE	VOLTAGE
Three-phase	400 V
4PS / 0.50	1.3 A
4PS / 0.75	1.6 A
4PS / 1	2.3 A
4PS / 1.5	2.9 A
4PS / 2	4.0 A
4PS / 3	5.6 A
4PS / 4	6.9 A
4PS / 5.5	9.7 A
4PS / 7.5	12.3 A
4PS / 10	17.1 A