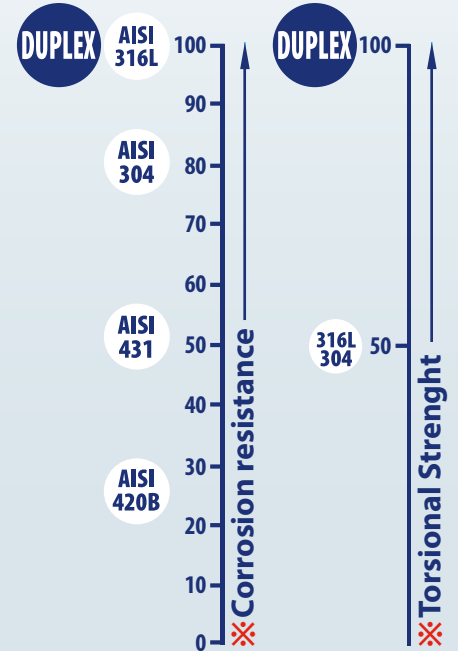


※ Encapsulated water-filled motors ensure absolute operational safety



※ DUPLEX stainless steel shaft  
 ※ AISI 316 casing

※ DUPLEX steel is recognized for its outstanding mechanical strength, which is twice that of AISI 304/316L steel.

### 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 316 stainless steel**
- ※ **Shaft: 'DUPLEX' stainless steel**
- ※ Mating dimensions according to **NEMA** standard.
- ※ Power cable included:
  - **2 m** for power ratings from 0.37 to 2.2 kW
  - **3.6 m** for power ratings from 3 to 7.5 kW.

### APPLICATION LIMITS

- Liquid temperature up to **+35 °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

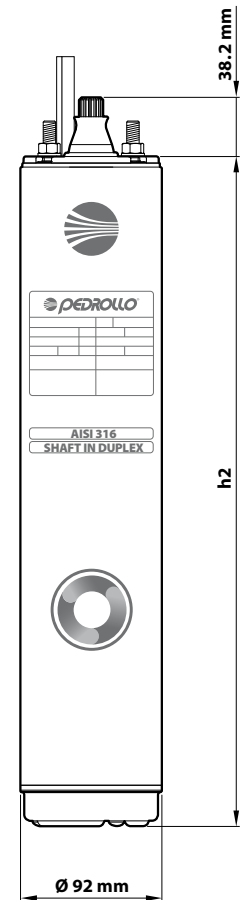
## 50 Hz

### ※ 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							
<b>Single-phase</b>			N	min <sup>-1</sup>		Cos φ	μF	mm	kg
<b>4PSm / 0.50</b>	<b>0.37</b>	<b>0.50</b>	2000	2845	3.4	0.88	20	237	8.6
<b>4PSm / 0.75</b>	<b>0.55</b>	<b>0.75</b>		2840	3.8	0.93	25	257	9.0
<b>4PSm / 1</b>	<b>0.75</b>	<b>1</b>		2835	3.8	0.92	35	272	9.6
<b>4PSm / 1.5</b>	<b>1.1</b>	<b>1.5</b>		2820	3.3	0.91	40	312	11.5
<b>4PSm / 2</b>	<b>1.5</b>	<b>2</b>	3000	2830	3.2	0.94	60	352	13.2
<b>4PSm / 3</b>	<b>2.2</b>	<b>3</b>		2810	3.6	0.94	70	402	15.5

### ※ Three-phase versions - 400 V / 50 Hz

TYPE	Rated power		Axial load	Revolutions	Starting current Current nominal	Power factor	h2	Weight
	P2 kW	HP						
<b>Three-phase</b>			N	min <sup>-1</sup>		Cos φ	mm	kg
<b>4PS / 0.50</b>	<b>0.37</b>	<b>0.50</b>	2000	2855	4.2	0.64	237	8.1
<b>4PS / 0.75</b>	<b>0.55</b>	<b>0.75</b>		2835	4.1	0.70	237	8.1
<b>4PS / 1</b>	<b>0.75</b>	<b>1</b>		2830	4.4	0.68	257	9.0
<b>4PS / 1.5</b>	<b>1.1</b>	<b>1.5</b>		2825	4.6	0.69	272	9.6
<b>4PS / 2</b>	<b>1.5</b>	<b>2</b>	3000	2820	4.7	0.73	297	10.7
<b>4PS / 3</b>	<b>2.2</b>	<b>3</b>		2805	5.2	0.74	352	13.1
<b>4PS / 4</b>	<b>3</b>	<b>4</b>	6500	2845	5.7	0.82	484	18.3
<b>4PS / 5.5</b>	<b>4</b>	<b>5.5</b>		2850	5.9	0.78	574	22.5
<b>4PS / 7.5</b>	<b>5.5</b>	<b>7.5</b>		2845	5.9	0.84	664	26.7
<b>4PS / 10</b>	<b>7.5</b>	<b>10</b>	2830	5.8	0.84	764	31.6	



## ABSORPTION

TYPE	VOLTAGE
<b>Single-phase</b>	<b>230 V</b>
<b>4PSm / 0.50</b>	3.5 A
<b>4PSm / 0.75</b>	4.4 A
<b>4PSm / 1</b>	5.9 A
<b>4PSm / 1.5</b>	8.1 A
<b>4PSm / 2</b>	10.7 A
<b>4PSm / 3</b>	16.2 A

TYPE	VOLTAGE
<b>Three-phase</b>	<b>400 V</b>
<b>4PS / 0.50</b>	1.6 A
<b>4PS / 0.75</b>	1.8 A
<b>4PS / 1</b>	2.5 A
<b>4PS / 1.5</b>	3.4 A
<b>4PS / 2</b>	4.3 A
<b>4PS / 3</b>	6.0 A
<b>4PS / 4</b>	6.9 A
<b>4PS / 5.5</b>	9.6 A
<b>4PS / 7.5</b>	12.4 A
<b>4PS / 10</b>	16.9 A