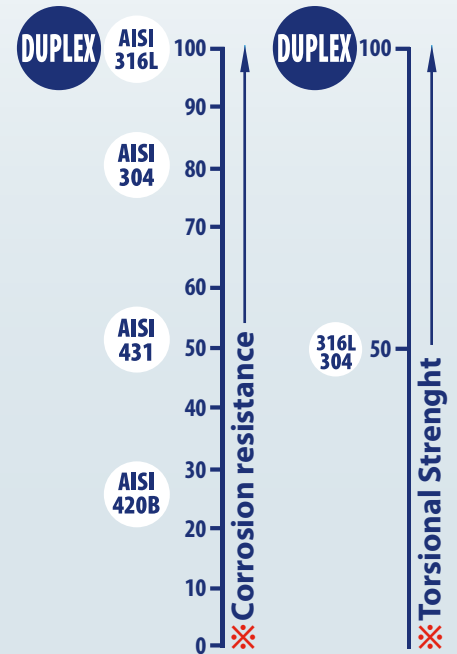


※ High-quality submersible motors made of premium **AISI 316 and DUPLEX** materials for a long service life



※ **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

Our 4" submersible oil-filled motors are crafted from top-tier materials and designed with industry expertise. They ensure exceptional performance, superior quality, and maintenance-free longevity.

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

※ Different voltage requirements 60 Hz frequency

MATERIALS AND COMPONENTS

- ※ **Rewindable** motor in oil bath (non-toxic food-safe oil)
- ※ Sleeve: AISI 316 stainless steel
- ※ Coupling dimensions in compliance with NEMA standards.

※ Power cable included:

- **2 m** for power ratings from 0.37 to 2.2 kW
- **3.6 m** for powers from 3 to 7.5 kW

※ Shaft: 'DUPLEX' stainless steel

APPLICATION LIMITS

- Liquid temperature up to **+40 °C**
- Depth of use up to **200 m** below water level
- Starts per hour: max. **20** at regular intervals
- Minimum cooling flow **8 cm/s**

CORROSION CONTROL

The sacrificial anode, composed of a 'cadmium-free' zinc-aluminum alloy safe for potable water, is simple to attach to 4PD motors. It shields against corrosion, especially from stray currents or aggressive water, thus greatly extending the lifespan of the motor and pump components.

Available upon request - code ASS4PDA01



PERFORMANCE DATA

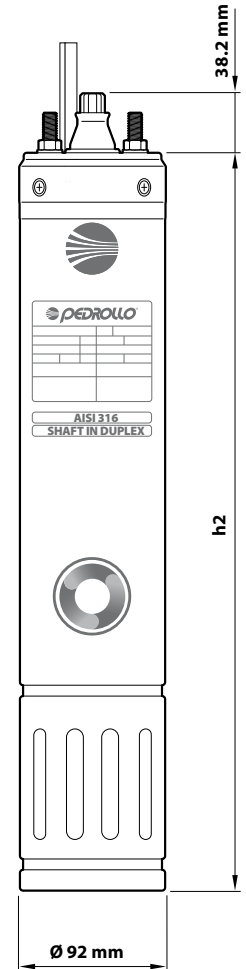
50 Hz

※ Single-phase versions - 230 V / 50 Hz

TYPE	Rated power P ₂		Axial load N	Revolutions min ⁻¹	Starting current Current nominal	Power factor Cos φ	Capacitor (VL=450V) μF	h2 mm	Weight kg
	kW	HP							
Single-phase									
4PDm / 0.50	0.37	0.50	2000	2820	3.2	0.9	20	311	6.8
4PDm / 0.75	0.55	0.75		2830	3.2	0.9	25	331	7.9
4PDm / 1	0.75	1		2835	3	0.93	35	356	8.9
4PDm / 1.5	1.1	1.5		2850	3.1	0.93	40	396	10.7
4PDm / 2	1.5	2		2850	3.3	0.92	60	437	12.8
4PDm / 3	2.2	3		2830	3.2	0.95	75	492	14.9

※ Three-phase versions - 400 V / 50 Hz

TYPE	Rated power P ₂		Axial load N	Revolutions min ⁻¹	Starting current Current nominal	Power factor Cos φ	h2 mm	Weight kg
	kW	HP						
Three-phase								
4PD / 0.50	0.37	0.50	2000	2850	3.3	0.6	311	7.0
4PD / 0.75	0.55	0.75		2840	4.1	0.65	331	7.7
4PD / 1	0.75	1		2840	3.7	0.72	356	8.8
4PD / 1.5	1.1	1.5		2825	4.5	0.75	371	9.5
4PD / 2	1.5	2		2835	4	0.73	396	10.7
4PD / 3	2.2	3		2815	4.5	0.74	437	12.6
4PD / 4	3	4	3000	2840	5.5	0.81	450	13.7
4PD / 5.5	4	5.5	5000	2845	5.3	0.78	625	20.5
4PD / 7.5	5.5	7.5		2850	5.2	0.75	725	28.5
4PD / 10	7.5	10		2850	5.2	0.76	845	32.0



ABSORPTION

TYPE	VOLTAGE
Single-phase	230 V
4PDm / 0.50	3.6 A
4PDm / 0.75	4.7 A
4PDm / 1	5.9 A
4PDm / 1.5	8.3 A
4PDm / 2	10.7 A
4PDm / 3	15.2 A

TYPE	VOLTAGE	
Three-phase	230 V	400 V
4PD / 0.50	3.1 A	1.8 A
4PD / 0.75	3.5 A	2.0 A
4PD / 1	4.3 A	2.5 A
4PD / 1.5	5.9 A	3.4 A
4PD / 2	8.3 A	4.8 A
4PD / 3	10.6 A	6.1 A
4PD / 4	12.3 A	7.1 A
4PD / 5.5	17.0 A	9.8 A
4PD / 7.5	23.3 A	13.5 A
4PD / 10	-	17.5 A