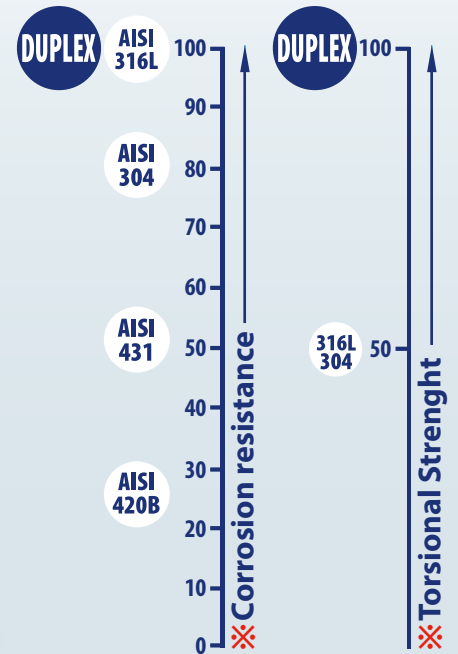


- ※ High-quality submersible motors made of premium **AISI 316 and DUPLEX** materials for a long service life



- ※ **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

6" 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 ( $n \approx 2900 \text{ min}^{-1}$ )
- Three-phase voltage 400 V
- Power from **4 to 37 kW**
- Continuous running duty **S1**
- Class F insulation and IP 68 protection

### AVAILABLE UPON REQUEST

- ※ Different voltage requirements 60 Hz frequency
- ※ Motors with double power cable for star/delta starting (**Y/Δ**)

### MATERIALS AND COMPONENTS

- ※ **Rewindable** oil filled submersible motors (non-toxic food-safe oil).
- ※ **Sleeve: AISI 316 stainless steel**
- ※ **Shaft: 'DUPLEX' stainless steel**
- ※ Coupling dimensions in compliance with NEMA standards.
- ※ Power cable included:
  - **3 m** for power up to 15 kW
  - **4 m** for powers from 18.5 to 37 kW.

### APPLICATION LIMITS

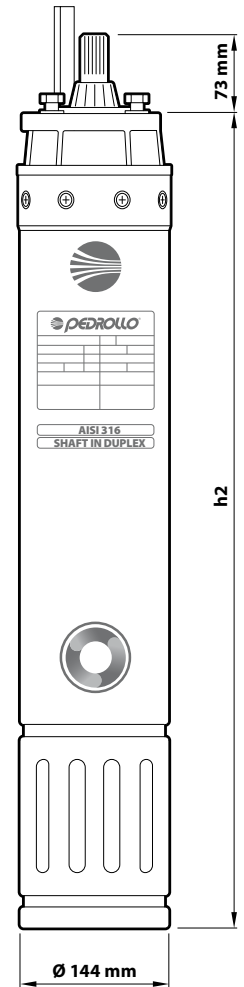
- Liquid temperature up to **+35 °C**
- Depth of use up to **200 m** below water level
- Starts per hour: **30** at regular intervals
- Minimum cooling flow **8 cm/s**

## PERFORMANCE DATA

## 50 Hz

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

TYPE	Rated power P <sub>2</sub>		Axial load N	Revolutions min <sup>-1</sup>	Starting current Current nominal	Yield η	Power factor Cos φ	Rated torque Nm	Starting torque Torque rated	h2 mm	Weight kg
	kW	HP									
<b>6PD / 5.5</b>	<b>4</b>	<b>5.5</b>	10000	2840	5.1	74%	0.86	13.5	1.65	595	33.4
<b>6PD / 7.5</b>	<b>5.5</b>	<b>7.5</b>		2840	5.1	74%	0.84	18.5	1.60	625	34.4
<b>6PD / 10</b>	<b>7.5</b>	<b>10</b>		2850	4.7	78%	0.83	25.1	1.55	660	38.1
<b>6PD / 12.5</b>	<b>9.2</b>	<b>12.5</b>		2880	4.5	81%	0.77	30.5	1.60	700	42.6
<b>6PD / 15</b>	<b>11</b>	<b>15</b>		2850	5.2	85%	0.82	36.9	2.20	765	48.3
<b>6PD / 20</b>	<b>15</b>	<b>20</b>		2840	5.0	82%	0.86	50.5	2.60	820	58.0
<b>6PD / 25</b>	<b>18.5</b>	<b>25</b>	20000	2850	5.9	84%	0.84	62.0	2.30	883	62.8
<b>6PD / 30</b>	<b>22</b>	<b>30</b>		2850	5.5	84%	0.83	73.8	2.45	953	79.4
<b>6PD / 40</b>	<b>30</b>	<b>40</b>		2860	5.5	85%	0.83	100.2	1.90	1098	91.0
<b>6PD / 50</b>	<b>37</b>	<b>50</b>		2840	5.1	84%	0.83	124.5	2.10	1233	92.0



## ABSORPTION

TYPE	VOLTAGE
<b>Three-phase</b>	<b>400 V</b>
<b>6PD / 5.5</b>	9.3 A
<b>6PD / 7.5</b>	12.9 A
<b>6PD / 10</b>	17.1 A
<b>6PD / 12.5</b>	21.8 A
<b>6PD / 15</b>	23.8 A
<b>6PD / 20</b>	31.6 A
<b>6PD / 25</b>	38.5 A
<b>6PD / 30</b>	46.5 A
<b>6PD / 40</b>	63.0 A
<b>6PD / 50</b>	78.0 A