

# 6PD

## 6" PEDROLLO submersible motors

 Civil use

 Agricultural use

 Industrial use



### PERFORMANCE

- Power from **4** to **30 kW**

### APPLICATION LIMITS

- Maximum liquid temperature **+35 °C**
- **100 m** immersion limit
- Starts/hour: **20** at regular intervals
- Minimum flow rate for motor cooling **16 cm/s** (50 cm/s for 30 kW)
- Continuous service **S1**

### ELECTRIC MOTOR

- 2 pole electric motor, 50 Hz (n ~ 2900 rpm)
- Three-phase voltage **400 V**
- Insulation: class F
- Protection: IP 68

### CONSTRUCTION AND SAFETY STANDARDS

- **Rewindable** submersible oil filled motor (vegetable oil).
- Flange coupling dimensions in compliance with **NEMA** standards.
- Complete with **4 m** long power cable.

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



### CERTIFICATIONS

Company with management system certified DNV  
ISO 9001: QUALITY  
ISO 14001: ENVIRONMENT AND SAFETY

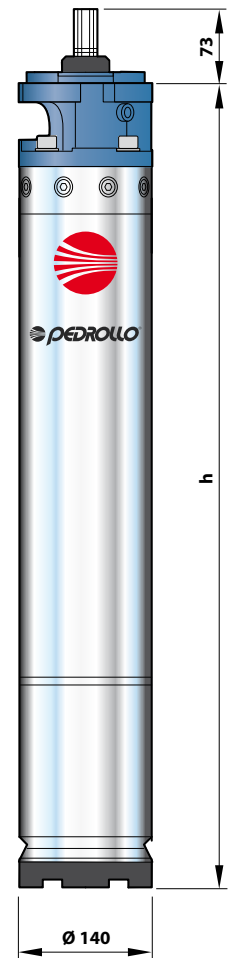


### OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency

## PERFORMANCE DATA

MODEL	Rated power		Axial load	Revs	Starting current	Efficiency	Power factor	Rated torque	Starting torque	h	Weight
	P <sub>2</sub>										
Three-phase	kW	HP	N	1/min	Rated current	$\eta$	$\cos \varphi$	Nm	Rated torque	mm	kg
<b>400 V / 50 Hz</b>											
<b>6PD / 5.5</b>	4	5.5	10000	2840	4.0	76	0.81	13.5	1.6	633	34
<b>6PD / 7.5</b>	5.5	7.5		2850	4.0	79	0.79	18.5	1.6	667	36
<b>6PD / 10</b>	7.5	10		2835	4.0	79	0.82	25.3	1.5	698	39
<b>6PD / 12.5</b>	9.2	12.5		2850	4.1	81	0.80	30.1	1.6	731	42
<b>6PD / 15</b>	11	15		2895	5.4	85	0.75	36.4	2.2	826	50
<b>6PD / 20</b>	15	20		2875	5.5	84	0.79	49.9	2.7	894	57
<b>6PD / 25</b>	18.5	25		2870	4.6	85	0.79	61.9	2.4	959	65
<b>6PD / 30</b>	22	30	20000	2890	5.5	85	0.71	72.7	2.5	1116	87
<b>6PD / 40</b>	30	40		2850	5.0	84	0.85	100.9	1.8	1243	91



## ABSORPTION

MODEL	VOLTAGE
Three-phase	400 V
<b>6PD / 5.5</b>	<b>9.5 A</b>
<b>6PD / 7.5</b>	<b>13.0 A</b>
<b>6PD / 10</b>	<b>16.8 A</b>
<b>6PD / 12.5</b>	<b>20.9 A</b>
<b>6PD / 15</b>	<b>25.3 A</b>
<b>6PD / 20</b>	<b>33.4 A</b>
<b>6PD / 25</b>	<b>40.7 A</b>
<b>6PD / 30</b>	<b>53.3 A</b>
<b>6PD / 40</b>	<b>61.9 A</b>