

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**
- **300 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 ($n \sim 2900 \text{ min}^{-1}$)
- 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

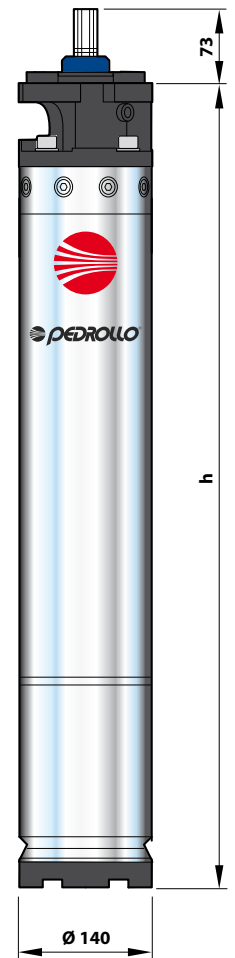


OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency

PERFORMANCE DATA

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



ABSORPTION

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