

6PD

6" PEDROLLO submersible motors



Civil use



Agricultural use



Industrial use



PERFORMANCE

- Power from **4** to **37 kW**

APPLICATION LIMITS

- Maximum liquid temperature **+35 °C**
- **200 m** immersion limit
- Starts/hour: **30** at regular intervals
- Minimum flow rate for motor cooling **10 cm/s**
- 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

- Oil filled **rewindable** motors (non-toxic oil for use with food)
- **Jacket: AISI 316 stainless steel**
- **Shaft: "DUPLEX" stainless steel**
- Flange coupling dimensions in compliance with **NEMA** standards.
- Complete with power cable of the following length:
 - **3 m** powers up to 15 kW
 - **4 m** powers from 18.5 to 37 kW.

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



CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY



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 ₂				Rated current				Rated torque		
Three-phase 400 V / 50 Hz	kW	HP	N	min ⁻¹		η	cos φ	Nm		mm	kg
6PD / 5.5	4	5.5	10000	2840	5.1	74%	0.86	13.5	1.65	595	33.4
6PD / 7.5	5.5	7.5		2840	5.1	74%	0.84	18.5	1.60	625	36.5
6PD / 10	7.5	10		2850	4.7	78%	0.83	25.1	1.55	660	37.8
6PD / 12.5	9.2	12.5		2880	4.5	81%	0.77	30.5	1.60	700	42.6
6PD / 15	11	15		2850	5.2	85%	0.82	36.9	2.20	765	51.8
6PD / 20	15	20		2840	5.0	82%	0.86	50.5	2.60	820	58.0
6PD / 25	18.5	25	20000	2850	5.9	84%	0.84	62.0	2.30	883	62.8
6PD / 30	22	30		2850	5.5	84%	0.83	73.8	2.45	953	79.4
6PD / 40	30	40		2860	5.5	85%	0.83	100.2	1.90	1098	92.1
6PD / 50	37	50		2840	5.1	84%	0.83	124.5	2.10	1233	92.0



ABSORPTION

MODEL	VOLTAGE
Three-phase	400 V
6PD / 5.5	9.3 A
6PD / 7.5	12.9 A
6PD / 10	17.1 A
6PD / 12.5	21.8 A
6PD / 15	23.8 A
6PD / 20	31.6 A
6PD / 25	39.0 A
6PD / 30	46.5 A
6PD / 40	63.5 A
6PD / 50	78.0 A