

6PSR

6" PEDROLLO submersible motors



Civil use



Agricultural use



Industrial use



PERFORMANCE

- Power from **5.5** to **37 kW**

APPLICATION LIMITS

- Maximum liquid temperature **+30 °C**
- **150 m** immersion limit
- Starts/hour: **20** at regular intervals
- Minimum flow rate for motor cooling **0.5 m/s**
- Continuous service **S1**

ELECTRIC MOTOR

- 2 pole electric motor, 50 Hz ($n \approx 2900 \text{ min}^{-1}$)
- Three-phase voltage **400 V**
- Insulation: class Y
- Protection: IP 68

CONSTRUCTION AND SAFETY STANDARDS

- Rewindable water cooled submersible motors.
- **Jacket: AISI 304 stainless steel**
- **Motor supports and base: cast iron G25**
- **Shaft: AISI 420 stainless steel**
- Flange coupling dimensions in compliance with **NEMA** standards.
- Complete with power cable of the following length:
 - **3 m** powers up to 5.5 kW to 18.5 kW
 - **5 m** powers up to 22 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
- Double power cable motors for star/delta starting (Y/Δ)

PERFORMANCE DATA

MODEL	Rated power		Axial load	Revs	Starting current	Efficiency	Power factor	Rated torque	Starting torque	h2	Weight
	P ₂				Rated current				Rated torque		
Three-phase 400 V / 50 Hz	kW	HP	N	min ⁻¹		η	cos φ	Nm		mm	kg
6PSR / 7.5	5.5	7.5	20000	2850	5.1	78	85	19	0.92	627	47
6PSR / 10	7.5	10		2855	5.1	79	85.5	25	0.86	677	53
6PSR / 12.5	9.2	12.5		2860	4.9	80	84	31	0.93	707	56
6PSR / 15	11	15		2865	5	81	85	37	0.94	757	62
6PSR / 17.5	13	17.5		2860	5.1	81.5	85	43	1.16	787	64
6PSR / 20	15	20		2865	4.8	83	86	49	1.22	847	71
6PSR / 25	18.5	25		2840	5	82	85.5	61	1.37	897	77
6PSR / 30	22	30	28000	2860	5.2	82.5	86	74	1.39	982	85
6PSR / 40	30	40		2860	5.2	83.5	85.5	103	1.46	1222	114
6PSR / 50	37	50		2860	5.3	83.5	85.5	125	1.72	1302	122



ABSORPTION

MODEL	VOLTAGE
Three-phase	400 V
6PSR / 7.5	13.0 A
6PSR / 10	16.0 A
6PSR / 12.5	20.0 A
6PSR / 15	23.0 A
6PSR / 17.5	27.5 A
6PSR / 20	30.0 A
6PSR / 25	38.0 A
6PSR / 30	45.0 A
6PSR / 40	60.5 A
6PSR / 50	75.5 A