

※ **Rewindable water filled motors ensure absolute operational safety**



ELECTRIC MOTOR

Rewindable water-filled motors. The wound stator consists of copper wire coated with water-repellent thermoplastic material with high dielectric properties.

TECHNICAL DATA

- 2-pole electric motor, 50 Hz ($n \approx 2900 \text{ min}^{-1}$)
- Three-phase voltage **400 V**
- Power from **5.5 to 37 kW**
- Insulation: class Y
- Protection rating: IP 68

AVAILABLE UPON REQUEST

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

MATERIALS AND COMPONENTS

- ※ **Rewindable** submersible motors in a **water filled**.
- ※ **Sleeve: AISI 304 stainless steel**
- ※ **Motor mounts and base: cast iron G25**
- ※ **Shaft: AISI 431 stainless steel**
- ※ Coupling dimensions in compliance with NEMA standards.
- ※ Power cable included:
- ※ **3 m** for power ratings from 5.5 kW to 18.5 kW
- ※ **5 m** for powers from 22 to 37 kW.

APPLICATION LIMITS

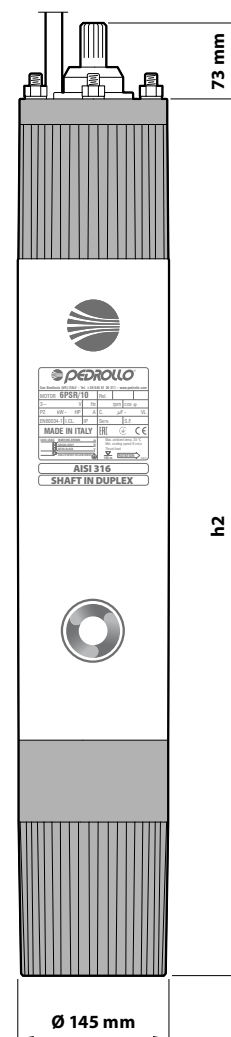
- Liquid temperature up to **+30 °C**
- Depth of use up to **150 m** below water level
- Starts per hour: 20 at regular intervals
- Minimum cooling flow **8 cm/s**
- Continuous running duty **S1**

PERFORMANCE DATA

50 Hz

※ Three-phase versions - 400 V / 50 Hz

TYPE	Rated power		Axial load	Revolutions	Starting current	Yield	Power factor	Rated torque	Starting torque	h2	Weight
	P ₂				Current nominal				Torque rated		
Three-phase	kW	HP	N	min ⁻¹		η	Cos φ	Nm		mm	kg
6PSR / 7.5	5.5	7.5	20000	2850	5.1	78%	0.85	19	1.7	620	53.0
6PSR / 10	7.5	10		2855	5.1	79%	0.85	25	1.7	670	58.0
6PSR / 12.5	9.2	12.5		2860	4.9	80%	0.84	31	1.7	700	62.0
6PSR / 15	11	15		2865	5	81%	0.85	37	1.8	750	68.0
6PSR / 17.5	13	17.5		2860	5.1	81.5%	0.85	43	1.7	780	71.0
6PSR / 20	15	20		2865	4.8	83%	0.86	49	1.6	840	78.0
6PSR / 25	18.5	25		2840	5	82%	0.85	61	1.7	890	84.0
6PSR / 30	22	30	28000	2860	5.2	82.5%	0.86	74	1.6	975	94.0
6PSR / 35	26	35		2860	5.2	83.5%	0.85	87	1.6	1075	104.0
6PSR / 40	30	40		2860	5.2	83.5%	0.86	103	1.6	1215	122.0
6PSR / 50	37	50		2860	5.3	83.5%	0.86	125	1.7	1295	130.0



ABSORPTION

TYPE	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 / 35	53.0 A
6PSR / 40	60.5 A
6PSR / 50	75.5 A

LENNTech
WATER TREATMENT SOLUTIONS

info@lenntech.com Tel. +31-152-610-900
www.lenntech.com Fax. +31-152-616-289