

# 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
- Suitable for vertical and horizontal installations with operating limits as described for the 6SR submersible pump
- 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, 60 Hz (n ~ 3450 1/min)
- Voltage three-phase:
  - **220-230 V** up to 22 kW
  - **380 V**
  - **460 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

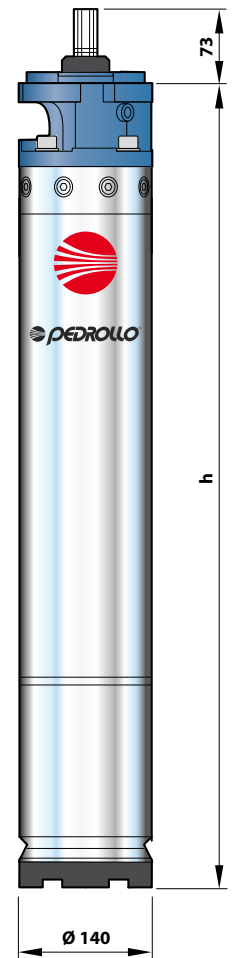
- Dual voltage 380/660 V (star/delta) motors
- Other voltages

### GUARANTEE

2 years subject to terms and conditions

## PERFORMANCE DATA

MODEL	Rated power P <sub>2</sub>		Axial load N	Voltage V	Revs 1/min	Starting current Rated current	Efficiency η	Power factor cos φ	Rated torque Nm	Starting torque Rated torque	h mm	Weight kg
	kW	HP										
6PD / 5.5	4	5.5	10000	220	3450	4.8	72%	0.84	11.0	1.6	633	34
				230	3460	4.9	73%	0.81		1.7		
				380	3450	4.8	72%	0.84		1.6		
				460	3440	4.8	71%	0.84		1.6		
6PD / 7.5	5.5	7.5		220	3460	5.2	76%	0.83	15.1	1.6	667	36
				230	3470	5.3	77%	0.79		1.7		
				380	3460	5.2	76%	0.83		1.6		
				460	3450	5.2	74%	0.81		1.6		
6PD / 10	7.5	10		220	3450	5.3	77%	0.85	20.7	1.7	698	39
				230	3460	5.4	77%	0.82		1.8		
				380	3450	5.3	77%	0.85		1.7		
				460	3445	5.3	78%	0.84		1.7		
6PD / 15	11	15	220	3510	5.9	81%	0.76	29.9	2.0	826	50	
			230	3520	6.0	79%	0.70		2.1			
			380	3510	5.9	81%	0.76		2.0			
			460	3500	5.9	83%	0.80		2.0			
6PD / 20	15	20	220	3500	5.9	83%	0.78	40.8	2.0	894	57	
			230	3510	6.0	82%	0.70		2.1			
			380	3500	5.9	83%	0.78		2.0			
			460	3485	5.9	82%	0.81		2.0			
6PD / 25	18.5	25	220	3490	6.0	84%	0.80	50.7	2.1	959	65	
			230	3500	6.1	83%	0.73		2.2			
			380	3490	6.0	84%	0.80		2.1			
			460	3470	6.0	82%	0.82		2.1			
6PD / 30	22	30	220	3500	6.1	83%	0.74	60.0	2.2	1116	87	
			230	3510	6.2	83%	0.66		2.3			
			380	3500	6.1	83%	0.78		2.2			
			460	3490	6.1	84%	0.76		2.2			
6PD / 40	30	40	380	3460	5.9	83%	0.84	83.0	2.0	1243	91	
			460	3435	5.9	85%	0.86		2.0			



## ABSORPTION

MODEL	VOLTAGE (three-phase)						
	220 V		230 V		380 V		460 V
Three-phase	S.F. = 1	S.F. = 1.15	S.F. = 1	S.F. = 1.15	S.F. = 1	S.F. = 1.15	S.F. = 1
6PD / 5.5	17.5	19.5	17.5	19.0	10.0	11.5	10.0
6PD / 7.5	22.7	26.0	22.8	25.9	13.0	15.0	13.6
6PD / 10	30.0	33.7	30.0	33.1	17.5	19.5	16.8
6PD / 15	47.5	51.5	51.0	54.0	27.5	29.8	24.9
6PD / 20	61.4	67.3	64.9	70.2	35.5	38.9	33.5
6PD / 25	73.5	81.0	76.5	83.5	42.5	47.0	40.5
6PD / 30	94.3	102.0	99.5	107.0	54.5	59.0	50.5
6PD / 40	-	-	-	-	66.5	74.5	60.4