

# 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, 60 Hz ( $n \sim 3450 \text{ min}^{-1}$ )
- Voltage three-phase:
  - **220 V** up to 22 kW
  - **380 V**
  - **460 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

### GUARANTEE

2 years subject to terms and conditions

## PERFORMANCE DATA

MODEL Three-phase 380 V / 60 Hz	Rated power P <sub>2</sub>		Axial load N	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	3435	4.6	75	0.81	11.1	1.65	595	33
6PD / 7.5	5.5	7.5		3440	5.1	78	0.78	15.3	1.75	625	35
6PD / 10	7.5	10		3435	5.3	79	0.84	20.9	1.75	660	38
6PD / 12.5	9.2	12.5		3455	5.4	81	0.79	25.4	2.0	700	40
6PD / 15	11	15		3450	5.7	80	0.81	30.5	2.15	765	44
6PD / 20	15	20		3435	6.0	81	0.81	41.7	2.2	820	52
6PD / 25	18.5	25	20000	3445	5.9	82	0.78	51.3	2.2	883	62
6PD / 30	22	30		3450	6.2	83	0.81	60.9	2.25	953	67
6PD / 40	30	40		3445	6.2	84	0.82	83.2	2.2	1098	83
6PD / 50	37	50		3440	6.0	84	0.83	102.8	2.15	1233	92



## ABSORPTION

MODEL Three-phase	VOLTAGE (three-phase)					
	220 V		380 V		460 V	
	S.F. = 1	S.F. = 1.15	S.F. = 1	S.F. = 1.15	S.F. = 1	S.F. = 1.15
6PD / 5.5	16.1	16.9	9.7	10.1	7.9	9.1
6PD / 7.5	23.7	26.4	13.2	15.3	11.3	12.7
6PD / 10	28.4	32.9	17.3	19.3	14.7	16.6
6PD / 12.5	34.6	36.2	19.9	22.1	19.7	22.2
6PD / 15	38.4	46.7	25.8	29.6	21.2	24.3
6PD / 20	54.1	60.8	33.8	37.2	27.8	30.9
6PD / 25	66.5	75.5	40.1	45.9	35.7	38.5
6PD / 30	79.1	89.0	46.2	53.8	43.1	46.0
6PD / 40	-	-	65.1	74.2	55.2	61.2
6PD / 50	-	-	82.2	93.5	74.3	77.0