

EN
NEW

4PD



PEDROLLO
Via Belforte (PD) ITALY - Tel. +39 045 61 38 311 - www.pedrollo.com

| | | |
|-------------------|----------------|--------------------------|
| MOTOR 4PDm/1 | Rel. | |
| - 220 - 240 V | 50 Hz | 2825 rpm cos η 0.91 |
| P2 0.75 kW - 1 HP | 5.9 A | C. 35 μ F - 450 Vt |
| EN60034-1 | I.C.L. F IP 68 | Serv. S1 S.F. 1 |

MADE IN ITALY  

AVAILABLE: SILVER-GREY - II C L
SILVER-GREY - I L
SILVER-BLACK - N
SILVER-YELLOW-GREEN - III

Max. ambient temp. 35 °C
Min. cooling speed 8 cm/s
Thrust at least 2000 N
100 mm ROTATION

AISI 316
SHAFT IN DUPLEX



PEDROLLO
... the spring of life

4" submersible oil filled motors

NEW

TECHNICAL CHARACTERISTICS

- ▶ 4" submersible oil filled motors
- ▶ Motor sleeve made of stainless steel AISI 316
- ▶ Shaft made of "DUPLEX" stainless steel (from 3 kW to 7.5 kW)
- ▶ High quality mechanical seal

PERFORMANCE RANGE

- Powers from **0.37** to **7.5 kW**

APPLICATION LIMITS

- Maximum liquid temperature **+35 °C**
- **100 m** immersion limit
- Starts/hour: 20 at regular intervals
- Minimum flow rate for motor cooling **8 cm/s**
- Continuous service **S1**

ELECTRIC MOTOR

- 2 pole electric motor, 50 Hz (n ~ 2900 1/min)
- Voltage:
 - single-phase **230 V**
 - three-phase **400 V**
- Insulation: F class • Protection: IP 68

CONSTRUCTION AND SAFETY STANDARDS

Rewindable submersible oil filled motor (oil type vegetable).
Flange coupling dimensions in compliance with **NEMA** standards.

Complete with power cable of the following length:

- **1.7 m** for powers from 0.37 to 3 kW
- **2.7 m** for powers from 4 to 7.5 kW.

⇒ **Single-phase versions come with a capacitor included in the packaging.**

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



CERTIFICATIONS

COMPANY WITH MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001: QUALITY
ISO 14001: ENVIRONMENT AND SAFETY



AN30



ПРОМТЕКТ-168



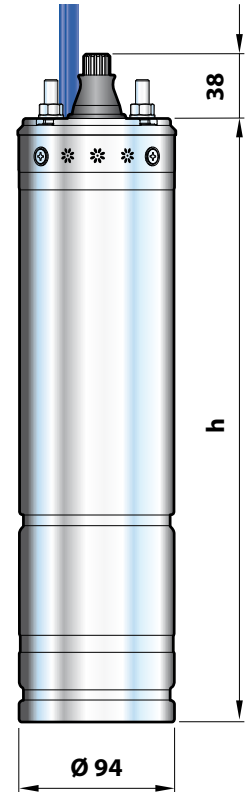
PERFORMANCE DATA

Single-phase versions

| MODEL | Rated power P2 | | Axial load N | Revs 1/min | Starting current | Power factor cos φ | Capacitor (VL=450V) μF | h mm | Weight kg |
|----------------------|-------------------|------|-----------------|---------------|------------------|-----------------------|------------------------------|---------|--------------|
| | kW | HP | | | Rated current | | | | |
| 230 V / 50 Hz | | | | | | | | | |
| 4PDm / 0.50 | 0.37 | 0.50 | 2000 | 2800 | 3.3 | 0.86 | 20 | 311 | 6.5 |
| 4PDm / 0.75 | 0.55 | 0.75 | | 2810 | 3.5 | 0.89 | 25 | 331 | 7.2 |
| 4PDm / 1 | 0.75 | 1 | | 2825 | 3.2 | 0.91 | 35 | 356 | 8.5 |
| 4PDm / 1.5 | 1.1 | 1.5 | | 2840 | 3.2 | 0.93 | 40 | 386 | 10.2 |
| 4PDm / 2 | 1.5 | 2 | | 2845 | 3.3 | 0.93 | 60 | 436 | 11.7 |
| 4PDm / 3 | 2.2 | 3 | | 2820 | 3.1 | 0.94 | 75 | 481 | 14.9 |

Three-phase versions

| MODEL | Rated power P2 | | Axial load N | Revs 1/min | Starting current | Power factor cos φ | h mm | Weight kg |
|----------------------|-------------------|------|-----------------|---------------|------------------|-----------------------|---------|--------------|
| | kW | HP | | | Rated current | | | |
| 400 V / 50 Hz | | | | | | | | |
| 4PD / 0.50 | 0.37 | 0.50 | 2000 | 2855 | 3.2 | 0.52 | 311 | 6.5 |
| 4PD / 0.75 | 0.55 | 0.75 | | 2835 | 4.0 | 0.63 | 331 | 7.2 |
| 4PD / 1 | 0.75 | 1 | | 2825 | 3.8 | 0.71 | 356 | 8.5 |
| 4PD / 1.5 | 1.1 | 1.5 | | 2825 | 4.6 | 0.79 | 371 | 9.4 |
| 4PD / 2 | 1.5 | 2 | | 2835 | 3.8 | 0.66 | 386 | 10.2 |
| 4PD / 3 | 2.2 | 3 | | 2810 | 6.5 | 0.73 | 436 | 11.7 |
| 4PD / 4 | 3 | 4 | | 3000 | 2840 | 5.6 | 0.79 | 505 |
| 4PD / 5.5 | 4 | 5.5 | 5000 | 2835 | 5.4 | 0.77 | 610 | 20.1 |
| 4PD / 7.5 | 5.5 | 7.5 | | 2830 | 5.5 | 0.87 | 700 | 24.7 |
| 4PD / 10 | 7.5 | 10 | | 2840 | 5.4 | 0.76 | 800 | 29.0 |



ABSORPTION

| MODEL | VOLTAGE (single-phase) |
|--------------------|------------------------|
| Single-phase | 230 V |
| 4PDm / 0.50 | 3.6 A |
| 4PDm / 0.75 | 4.7 A |
| 4PDm / 1 | 5.9 A |
| 4PDm / 1.5 | 8.3 A |
| 4PDm / 2 | 10.7 A |
| 4PDm / 3 | 15.2 A |

| MODEL | VOLTAGE (three-phase) | |
|-------------------|-----------------------|---------------|
| Three-phase | 230 V | 400 V |
| 4PD / 0.50 | 2.2 A | 1.8 A |
| 4PD / 0.75 | 3.4 A | 2.0 A |
| 4PD / 1 | 4.1 A | 2.5 A |
| 4PD / 1.5 | 5.9 A | 3.4 A |
| 4PD / 2 | 8.1 A | 4.8 A |
| 4PD / 3 | 10.6 A | 6.1 A |
| 4PD / 4 | 12.8 A | 7.1 A |
| 4PD / 5.5 | 15.6 A | 9.2 A |
| 4PD / 7.5 | 22.7 A | 11.7 A |
| 4PD / 10 | - | 16.4 A |



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