

EN
NEW

4PS



pedrollo[®]
... the spring of life

4" submersible "canned" motors

THE NEW SUPERIOR QUALITY SUBMERSIBLE MOTOR

TECHNICAL CHARACTERISTICS

- ▶ 4" Water filled submersible motor (canned-type)
- ▶ Shell in AISI 316 stainless steel
- ▶ Motor shaft in "DUPLEX" stainless steel
- ▶ Hermetically sealed stator

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** up to 2.2 kW
 - three-phase **400 V**
- Insulation: F class
- Protection: IP 68

CONSTRUCTION AND SAFETY STANDARDS

Flange coupling dimensions in compliance with **NEMA** standards.

Complete with power cable of the following length:

- **2 m** for powers from 0.37 to 3 kW
- **3 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



IPOMTECT-168



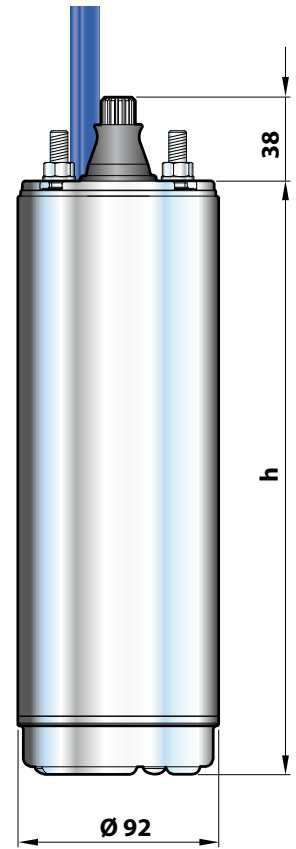
PERFORMANCE DATA

Single-phase versions

MODEL	Rated power		Axial load	Revs	Starting current	Power factor	Capacitor (VL=450V)	h	Weight
	P2								
230 V / 50 Hz	kW	HP	N	1/min	Rated current	cos φ	μF	mm	kg
4PSm / 0.50	0.37	0.50	2000	2845	3.4	0.88	20	237	6.8
4PSm / 0.75	0.55	0.75		2840	3.8	0.93	25	257	7.9
4PSm / 1	0.75	1		2835	3.8	0.92	35	272	9.1
4PSm / 1.5	1.1	1.5		2820	3.3	0.91	40	312	11.2
4PSm / 2	1.5	2	3000	2830	3.2	0.94	60	352	13.4
4PSm / 3	2.2	3		2810	3.6	0.91	70	402	14.2

Three-phase versions

MODEL	Rated power		Axial load	Revs	Starting current	Power factor	h	Weight
	P2							
400 V / 50 Hz	kW	HP	N	1/min	Rated current	cos φ	mm	kg
4PS / 0.50	0.37	0.50	2000	2855	4.2	0.64	237	6.8
4PS / 0.75	0.55	0.75		2835	4.1	0.70	237	6.8
4PS / 1	0.75	1		2830	4.4	0.68	257	7.9
4PS / 1.5	1.1	1.5		2825	4.6	0.69	272	9.1
4PS / 2	1.5	2	3000	2820	4.7	0.73	297	11.2
4PS / 3	2.2	3		2805	5.2	0.74	352	13.4
4PS / 4	3	4	6500	2845	5.7	0.82	418	16.9
4PS / 5.5	4	5.5		2850	5.9	0.78	574	23.4
4PS / 7.5	5.5	7.5		2845	5.9	0.84	664	27.8
4PS / 10	7.5	10		2830	5.8	0.84	764	31.4



ABSORPTION

MODEL	VOLTAGE (single-phase)
Single-phase	230 V
4PSm / 0.50	3.5 A
4PSm / 0.75	4.4 A
4PSm / 1	5.9 A
4PSm / 1.5	8.1 A
4PSm / 2	10.7 A
4PSm / 3	16.2 A

MODEL	VOLTAGE (three-phase)
Three-phase	400 V
4PS / 0.50	1.6 A
4PS / 0.75	1.8 A
4PS / 1	2.5 A
4PS / 1.5	3.4 A
4PS / 2	4.3 A
4PS / 3	6.0 A
4PS / 4	6.9 A
4PS / 5.5	9.6 A
4PS / 7.5	12.4 A
4PS / 10	16.9 A



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