



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

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

Complete with power cable of the following length:

- **1.5 m** for powers from 0.37 to 1.5 kW
- **2.5 m** for powers from 2.2 to 5.5 kW
- **3.5 m** for power from 7.5 kW.

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

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



CERTIFICATIONS



AM30



VspTECT-003

PATENTS - TRADE MARKS - MODELS

- Patent Pending n° PCT/IB2009/051491
(single-phase up to 0.75 kW; three-phase up to 1.1 kW).
- Registered Community Design n° 342159-0018
(single-phase up to 0.75 kW; three-phase up to 1.1 kW).

OPTIONALS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

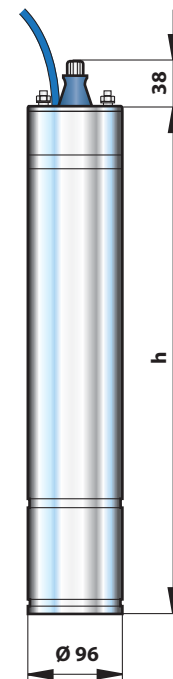
PERFORMANCE DATA

Single-phase versions

MODEL	Rated power		Axial load	Revs	Starting current / Rated current	Efficiency	Power factor	Rated torque	Starting torque / Rated torque	Capacitor (Vc=450V)	h	Weight
	P2 kW	HP										
230 V / 50 Hz												
4PDm / 0.50	0.37	0.50	1500	2800	2.6	60%	0.94	1.3	0.7	16	304	7.3
4PDm / 0.75	0.55	0.75		2803	2.9	62%	0.95	1.9	0.74	20	329	8.6
4PDm / 1	0.75	1		2824	3	63%	0.85	2.5	0.72	31.5	354	9.7
4PDm / 1.5	1.1	1.5	2500	2825	3.1	62%	0.9	3.7	0.82	40	434	12.0
4PDm / 2	1.5	2		2810	3.2	66%	0.93	5.1	0.8	50	467	13.6
4PDm / 3	2.2	3		2820	4.1	68%	0.97	7.51	0.77	76	565	18.2

Three-phase versions

MODEL	Rated power		Axial load	Revs	Starting current / Rated current	Efficiency	Power factor	Rated torque	Starting torque / Rated torque	h	Weight
	P2 kW	HP									
400 V / 50 Hz											
4PD / 0.50	0.37	0.50	1500	2808	4	62%	0.76	1.3	2.8	304	7.2
4PD / 0.75	0.55	0.75		2790	3	65%	0.85	2	1.8	304	7.2
4PD / 1	0.75	1		2790	3.7	69%	0.75	2.6	2.7	329	8.5
4PD / 1.5	1.1	1.5		2780	3.5	70%	0.79	3.9	2.4	354	10.4
4PD / 2	1.5	2	2500	2825	4.4	69%	0.76	5.07	2.9	428	11.1
4PD / 3	2.2	3		2820	4.4	74%	0.76	7.45	2.5	467	14.0
4PD / 4	3	4		2810	4.7	74%	0.78	10.18	2.7	522	15.6
4PD / 5.5	4	5.5	4500	2820	5.1	78%	0.77	13.53	3.1	587	18.8
4PD / 7.5	5.5	7.5		2845	5.4	80%	0.82	18.44	2.7	687	25.4
4PD / 10	7.5	10		2835	5.3	80%	0.3	25.26	2.6	768	29.2



ABSORPTION

MODEL	VOLTAGE (single-phase)
Single-phase	230 V
4PDm / 0.50	3.1 A
4PDm / 0.75	4.9 A
4PDm / 1	6.4 A
4PDm / 1.5	8.6 A
4PDm / 2	10.6 A
4PDm / 3	14.6 A

MODEL	VOLTAGE (three-phase)			
Three-phase	230 V	400 V	240 V	415 V
4PD / 0.50	2.1 A	1.2 A	2.1 A	1.2 A
4PD / 0.75	2.8 A	1.6 A	2.9 A	1.7 A
4PD / 1	3.6 A	2.1 A	3.8 A	2.2 A
4PD / 1.5	5.0 A	2.9 A	5.2 A	3.0 A
4PD / 2	7.1 A	4.1 A	7.4 A	4.3 A
4PD / 3	9.9 A	5.7 A	10.4 A	6.0 A
4PD / 4	13.0 A	7.5 A	13.7 A	7.9 A
4PD / 5.5	17.0 A	9.8 A	17.8 A	10.3 A
4PD / 7.5	22.8 A	13.2 A	23.5 A	13.6 A
4PD / 10	29.2 A	16.9 A	29.9 A	17.3 A