

UP 2/2 universalpump

Artikelnr Beteckning

111761 UP 2/2:0,37/3x400/G32

Installation

Anslutning G32 inv

Elektrisk Data

Effekt 0,37 kW

Märkström 1,6 A

Spänning 3x400

Övrigt

Max Tryck 33 mVp

Max Flöde 80,0 l/min

**PEDROLLO 5" UP**

universalpumpar är speciellt utformade för installation i en grävd brunn eller bassäng. Vattnet tvingas förbi motorn för att kyla, vilket gör det möjligt att installera i en större brunn eller tank. Pumpen suger vattnet in i pumphuset och cirkulerar vattnet runt motorn för att uppnå motorns kylningskrav. Vertikal och horisontell installation är möjlig.

UP pumpserien tillverkas med pumphjul i noryl, och övriga vätskeberörda delar i rostfritt stål för förbättrad driftsäkerhet och ökad prestanda.

Dubbla mekaniska tätningar i oljebad för ökad livslängd och driftsäkerhet.

Snabbfakta:

- Pump- och motorhus av rostfritt stål
- Pumphjul av norylplast
- Installeras vertikalt eller horisontellt
- Utmärkt för grävda brunnar/bassäng
- Dubbla mekaniska tätningar

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min⁻¹



MODEL		POWER (P ₂)		Q	Flow rate (m³/h)														
Single-phase	Three-phase	kW	HP		0	0.6	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8				
				l/min	0	10	20	40	60	80	100	120	140	160	180				
UPm 2/2(-GE)	UP 2/2	0.37	0.5	H metres	33	32	31	28	23.5	17									
UPm 2/3(-GE)	UP 2/3	0.55	0.75		48	46	44.5	40.5	33.5	23									
UPm 2/4(-GE)	UP 2/4	0.75	1		63	61	59	54	45	31									
UPm 2/5(-GE)	UP 2/5	1.1	1.5		81	79	75.5	68.5	57.5	40									
UPm 2/6(-GE)	UP 2/6	1.5	2		95	93	90	82	68.5	48									
UPm 4/3(-GE)	UP 4/3	0.55	0.75		40	-	39	37	33	28	20.5	12							
UPm 4/4(-GE)	UP 4/4	0.75	1		53	-	52	49	44	37	27.5	16							
UPm 4/5(-GE)	UP 4/5	1.1	1.5		67	-	65	61.5	55	46.5	34	20							
UPm 4/6(-GE)	UP 4/6	1.5	2		80	-	78	74	66	56	41	24							
UPm 8/3(-GE)	UP 8/3	1.1	1.5		40	-	-	39	37.5	35.2	32	27.8	22.2	16	9				
UPm 8/4(-GE)	UP 8/4	1.5	2	52	-	-	51	49.2	46.5	42	36.5	29.5	21.2	12					

Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

-GE = Single-phase pumps with float switch

POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1	EXTERNAL SLEEVE	Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1
2	MOTOR SLEEVE	Stainless steel AISI 304
3	IMPELLERS AND DIFFUSERS	Noryl FE1520PW
4	DIAPHRAGMS	Stainless steel AISI 304
5	MOTOR SHAFT	Stainless steel AISI 431
6	TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER	

Seal Model	Shaft Diameter	Position	Materials		
			Stationary ring	Rotational ring	Elastomer
STA-17	Ø 17 mm	Motor side	Ceramic	Graphite	NBR
ST1-16	Ø 16 mm	Pump side	Silicon carbide	Graphite	NBR

7	BEARINGS	6303 2RS - C3 / 6203 ZZ - C3E
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8	CAPACITOR	
Pump	Capacitance	
<i>Single-phase</i>	<i>(230 V or 240 V)</i>	<i>(110 V)</i>
UPm 2/2(-GE)		
UPm 2/3(-GE)	16 µF - 500 VL	30 µF - 250 VL
UPm 4/3(-GE)		
UPm 2/4(-GE)	20 µF - 450 VL	-
UPm 4/4(-GE)		
UPm 2/5(-GE)		
UPm 4/5(-GE)	25 µF - 450 VL	-
UPm 8/3(-GE)		
UPm 2/6(-GE)		
UPm 4/6(-GE)	35 µF - 450 VL	-
UPm 8/4(-GE)		

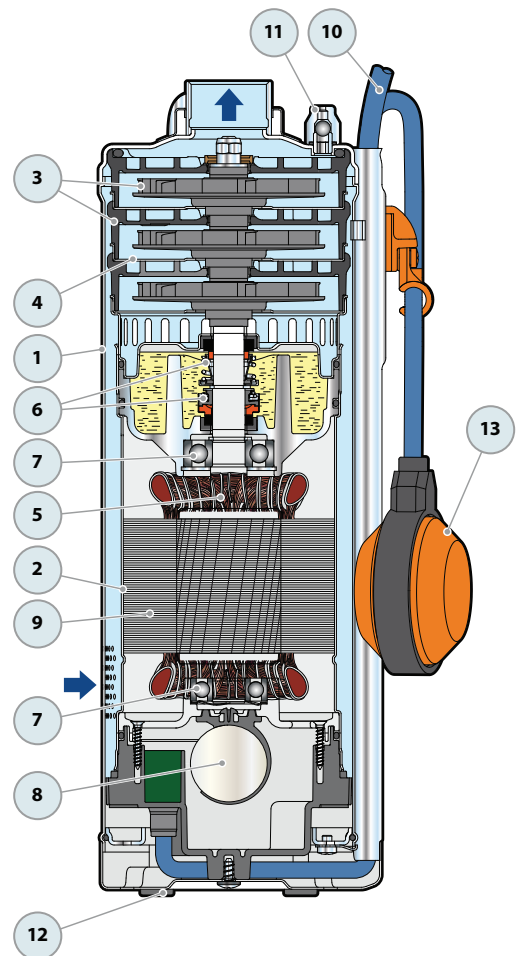
9	ELECTRIC MOTOR
UPm: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding.	
UP: three-phase 400 V - 50 Hz.	
- Insulation: class F	
- Protection: IP X8	

10 POWER CABLE
DRINCABLE® type approved for use in drinking water by "WRAS" in compliance with BS 6920, approval n. 7513 Standard length 10 metres

11	AUTOMATIC VENT VALVE
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12	ANTI-VIBRATION SUPPORTS
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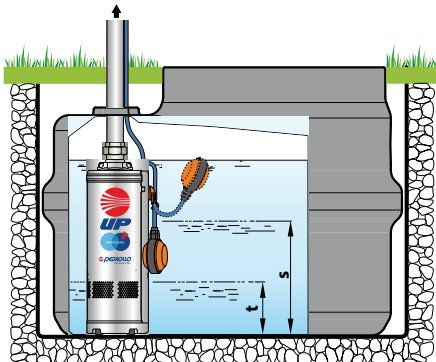
13	FLOAT SWITCH (only for single-phase versions)
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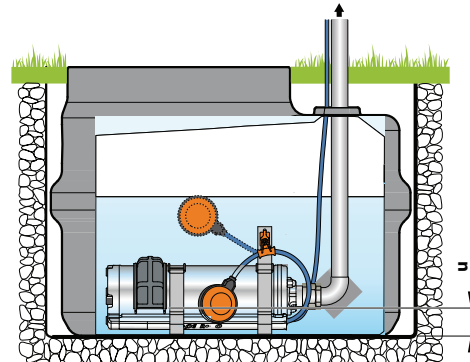
DIMENSIONS AND WEIGHT



Vertical installation



Horizontal installation



MODEL		PORT DN	N. STAGES	DIMENSIONS mm		kg	
Single-phase	Three-phase			Ø	h	1~	3~
UPm 2/2(-GE)	UP 2/2	1 1/4"	2	150	398	12.8	12.5
UPm 2/3(-GE)	UP 2/3		3		425	13.1	13.1
UPm 2/4(-GE)	UP 2/4		4		482	14.8	13.7
UPm 2/5(-GE)	UP 2/5		5		509	16.4	15.1
UPm 2/6(-GE)	UP 2/6		6		556	18.0	16.6
UPm 4/3(-GE)	UP 4/3		3		425	12.9	12.9
UPm 4/4(-GE)	UP 4/4		4		482	14.6	13.5
UPm 4/5(-GE)	UP 4/5		5		509	16.2	15.3
UPm 4/6(-GE)	UP 4/6		6		556	18.1	16.9
UPm 8/3(-GE)	UP 8/3		3		455	15.2	13.8
UPm 8/4(-GE)	UP 8/4		4		502	17.0	15.5

MODEL	LEVELS mm		
	s	t	u
UP 2/2 UP 2/3 UP 4/3	320	135	55
UP 2/4 UP 2/5 UP 4/4 UP 4/5 UP 8/3	350		
UP 2/6 UP 4/6 UP 8/4	370		

s = Minimum restarting level
 t = Emptying level
 u = Minimum operational level

ABSORPTION

MODEL	VOLTAGE		
	230 V	240 V	110 V
Single-phase	230 V	240 V	110 V
UPm 2/2(-GE)	4.4 A	4.2 A	8.8 A
UPm 2/3(-GE)	5.4 A	5.2 A	10.8 A
UPm 2/4(-GE)	6.2 A	6.0 A	-
UPm 2/5(-GE)	7.6 A	7.3 A	-
UPm 2/6(-GE)	8.8 A	8.5 A	-
UPm 4/3(-GE)	5.0 A	4.8 A	10.0 A
UPm 4/4(-GE)	6.2 A	5.9 A	-
UPm 4/5(-GE)	7.2 A	6.9 A	-
UPm 4/6(-GE)	8.7 A	8.4 A	-
UPm 8/3(-GE)	6.8 A	6.5 A	-
UPm 8/4(-GE)	8.5 A	8.4 A	-

MODEL	VOLTAGE			
	230 V	400 V	240 V	415 V
Three-phase	230 V	400 V	240 V	415 V
UP 2/2	2.8 A	1.6 A	2.7 A	1.5 A
UP 2/3	3.3 A	1.9 A	3.2 A	1.8 A
UP 2/4	4.0 A	2.3 A	3.9 A	2.2 A
UP 2/5	5.0 A	2.9 A	4.9 A	2.8 A
UP 2/6	5.7 A	3.3 A	5.5 A	3.2 A
UP 4/3	3.2 A	1.8 A	3.1 A	1.7 A
UP 4/4	3.8 A	2.2 A	3.7 A	2.1 A
UP 4/5	4.9 A	2.8 A	4.7 A	2.7 A
UP 4/6	5.6 A	3.2 A	5.4 A	3.1 A
UP 8/3	5.0 A	2.9 A	4.9 A	2.8 A
UP 8/4	5.7 A	3.3 A	5.5 A	3.2 A