

# UPM 2/3-GE universalpump med nivåvipa

| Artikelnr | Beteckning                |
|-----------|---------------------------|
| 111784    | UPM 2/3-GE:0,55/1x230/G32 |

## Installation

|            |         |
|------------|---------|
| Vikt       | 13,1 kg |
| Anslutning | G32 inv |

## Övrigt

|           |            |
|-----------|------------|
| Max Tryck | 48 mVp     |
| Max Flöde | 80,0 l/min |

## Elektrisk Data

|           |         |
|-----------|---------|
| Effekt    | 0,55 kW |
| Märkström | 5,4 A   |
| Spänning  | 1x230   |



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.

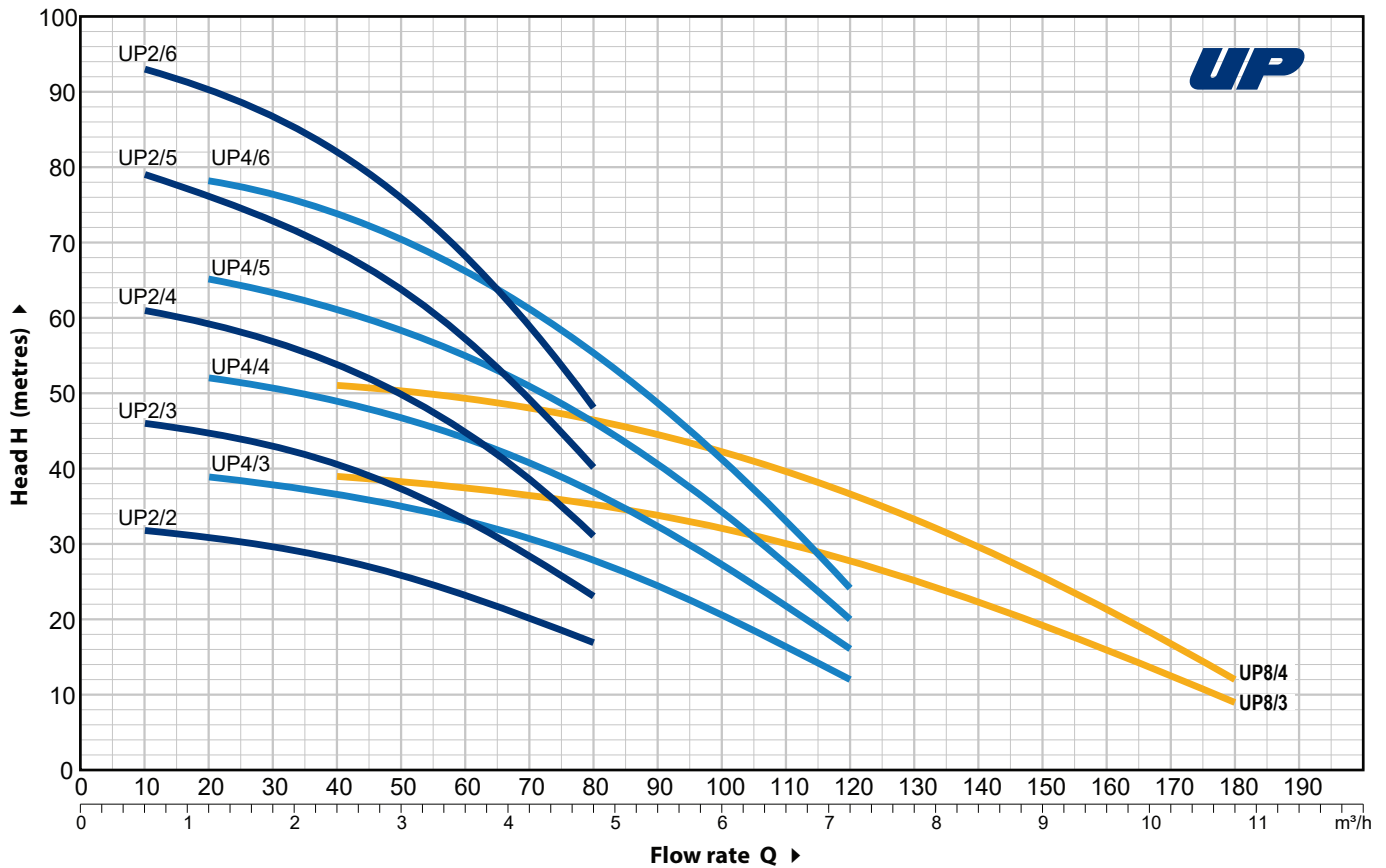
Version GE med inbyggd nivåvipa som fungerar som torrkörningskydd.

### Snabbfakta:

- Inbyggd vipa för torrkörningskydd
- 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<sup>-1</sup>



| MODEL        |             | POWER (P <sub>2</sub> ) |      | Q<br>m <sup>3</sup> /h<br>l/min | 0  | 0.6 | 1.2  | 2.4  | 3.6  | 4.8  | 6.0  | 7.2  | 8.4  | 9.6 | 10.8 |  |
|--------------|-------------|-------------------------|------|---------------------------------|----|-----|------|------|------|------|------|------|------|-----|------|--|
| Single-phase | Three-phase | kW                      | HP   |                                 | 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 | <b>EXTERNAL SLEEVE</b>                                  | Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1 |
| 2 | <b>MOTOR SLEEVE</b>                                     | Stainless steel AISI 304   |
| 3 | <b>IMPELLERS AND DIFFUSERS</b>                          | Noryl FE1520PW   |
| 4 | <b>DIAPHRAGMS</b>                                       | Stainless steel AISI 304   |
| 5 | <b>MOTOR SHAFT</b>                                      | Stainless steel AISI 431   |
| 6 | <b>TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER</b> |  |

| 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 | <b>BEARINGS</b> | 6303 2RS - C3 / 6203 ZZ - C3E |
|---|-----------------|-------------------------------|

|                     |                         |                |
|---------------------|-------------------------|----------------|
| 8                   | <b>CAPACITOR</b>        |                |
| <b>Pump</b>         | <b>Capacitance</b>      |                |
| <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)        |                         |                |

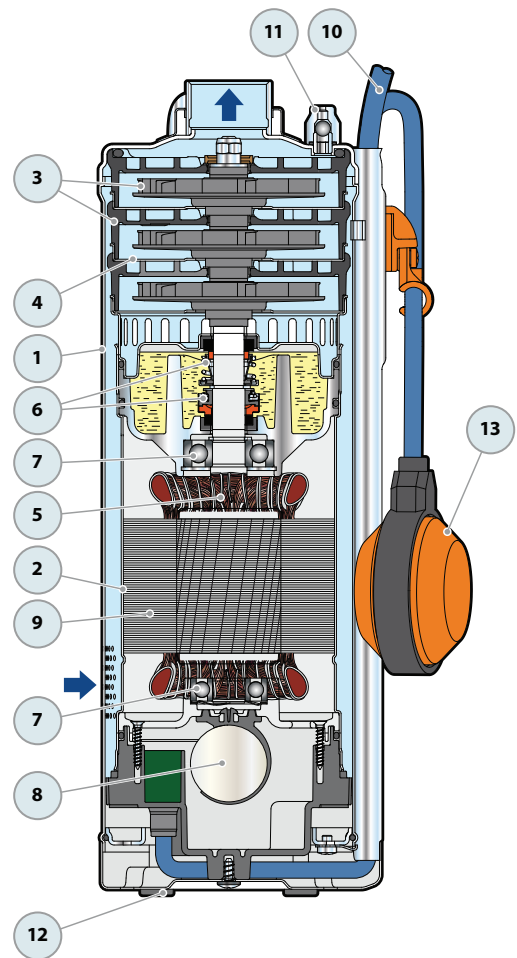
|  |                       |
|--|-----------------------|
| 9  | <b>ELECTRIC MOTOR</b> |
| UPm: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding. |                       |
| UP: three-phase 400 V - 50 Hz.   |                       |
| - Insulation: class F  |                       |
| - 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 | <b>AUTOMATIC VENT VALVE</b> |
|----|-----------------------------|

|    |                                |
|----|--------------------------------|
| 12 | <b>ANTI-VIBRATION SUPPORTS</b> |
|----|--------------------------------|

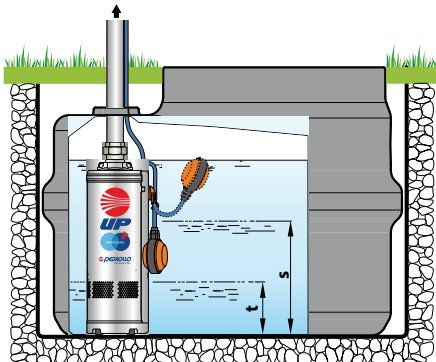
|    |   |
|----|---|
| 13 | <b>FLOAT SWITCH</b><br>(only for single-phase versions) |
|----|---|



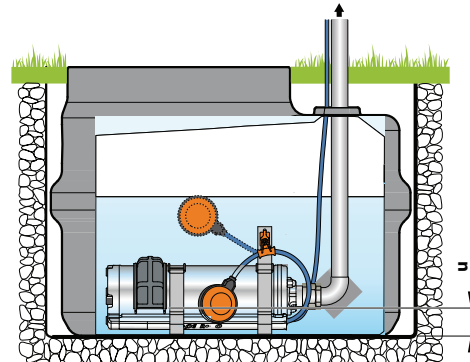
**DIMENSIONS AND WEIGHT**



**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<br>UP 2/3<br>UP 4/3                     | 320       | 135 | 55 |
| UP 2/4<br>UP 2/5<br>UP 4/4<br>UP 4/5<br>UP 8/3 | 350       |     |    |
| UP 2/6<br>UP 4/6<br>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 |