# TOP MULTI

## Multi-stage submersible pumps

Clean water

Domestic use

Civil use




TOP MULTI 1




TOP MULTI 2-3-4-5

### PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 $m^3$/h)
- Head up to **52 m**

### INSTALLATION AND USE

**TOPMULTI®** pumps are designed to transfer **clean water** free from abrasive particles and liquids that will not damage the pump's components. Efficient and reliable, they are ideal for domestic applications involving tanks, reservoirs, and deep wells. They are also perfect for collecting rainwater from water tanks (rain barrels) for manual watering or irrigation systems.

### APPLICATION LIMITS

- Maximum operating depth below water level:
  - up to **3 m** for TOP MULTI 1
  - up to **10 m** for TOP MULTI 2-3-4-5
  (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C**
- Draining capability:
  – up to **25 mm** from the bottom for TOP MULTI 1
  – up to **35 mm** from the bottom for TOP MULTI 2-3-4-5

### INCLUDES

※ Power cable length **10 m**
※ Float switch
※ Anti-vibration feet
※ Hose connector **Ø 35 mm**
※ Sleeve with clapet valve (for TOP MULTI 2-3-4-5)



### PATENTS - TRADE MARKS - MODELS

- Registered Community Model No. 000885587 for TOP MULTI 2-3-4-5
- TOP MULTI® Registered trademark No. 0001334477

### AVAILABLE UPON REQUEST

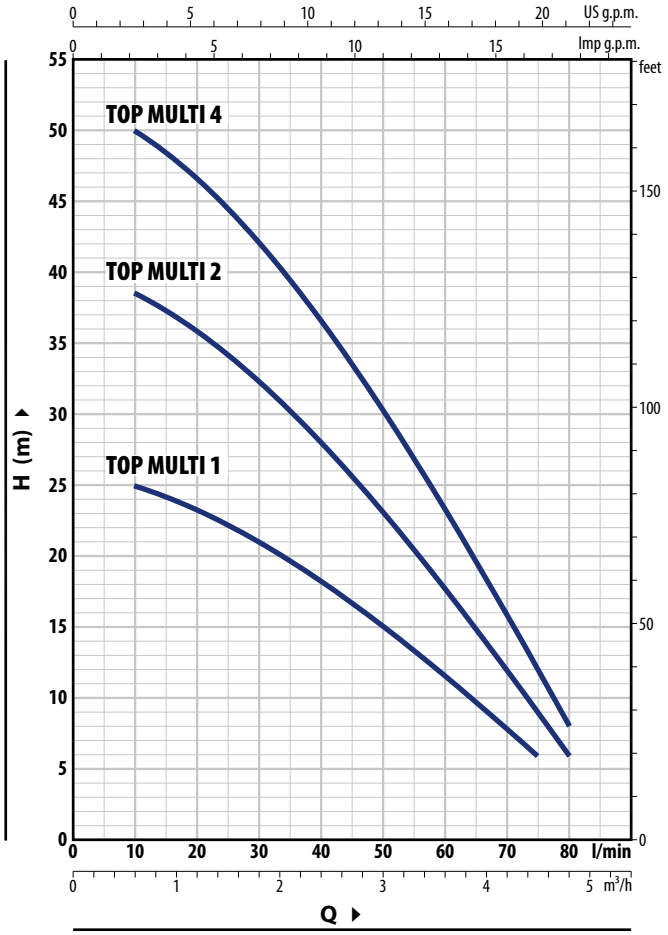
※ Different voltage requirements 60 Hz frequency

 ※ **Start of production with new color 03.2024** ※

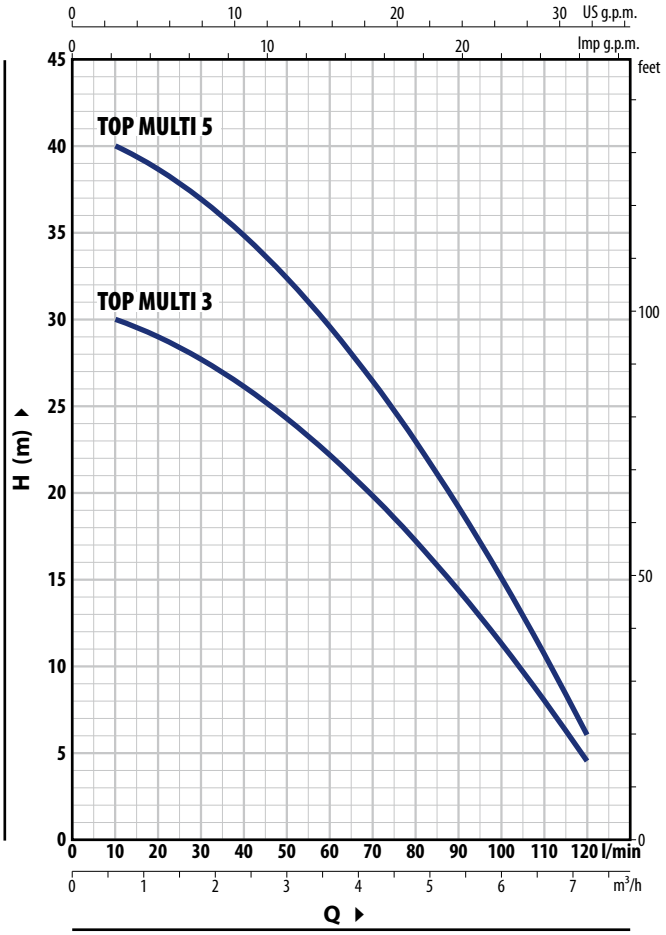
## CURVES AND PERFORMANCE DATA

**50 Hz**

## TOP MULTI 1 - 2 - 4




## TOP MULTI 3 - 5




## TOP MULTI 1 - 2 - 4

| TYPE | POWER (P2) | | Q | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single-phase | kW | HP | | m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.5 | 4.8 |
| | | | | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **75** | **80** |
| **TOP MULTI 1** | 0.37 | 0.50 | **H** | metres | 26 | 25 | 23.3 | 21 | 18.3 | 15 | 11.6 | 8 | 6 | |
| **TOP MULTI 2** | 0.55 | 0.75 | | | 40 | 38.5 | 36 | 32.5 | 28 | 23 | 17.7 | 12 | 9 | 6 |
| **TOP MULTI 4** | 0.75 | 1 | | | 52 | 50 | 46.5 | 42 | 36.5 | 30.5 | 23.3 | 15.8 | 12 | 8 |

## TOP MULTI 3 - 5

| TYPE | POWER (P2) | | Q | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single-phase | kW | HP | | m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 |
| | | | | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **110** | **120** |
| **TOP MULTI 3** | 0.55 | 0.75 | **H** | metres | 30.5 | 30 | 29 | 27.5 | 26 | 24.3 | 22.2 | 19.8 | 17.2 | 14.4 | 11.3 | 8 | 4.5 |
| **TOP MULTI 5** | 0.75 | 1 | | | 41 | 40 | 38.5 | 37 | 35 | 32.5 | 29.5 | 26.5 | 23 | 19.2 | 15 | 10.7 | 6 |

**Q** = Flow rate **H** = Total manometric head

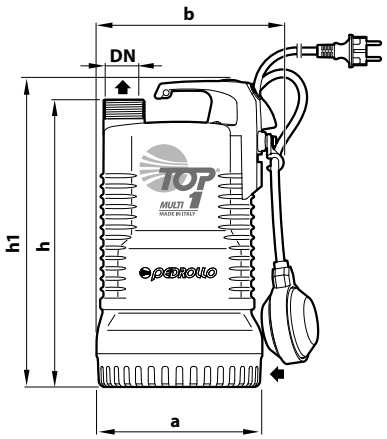
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## ABSORPTION

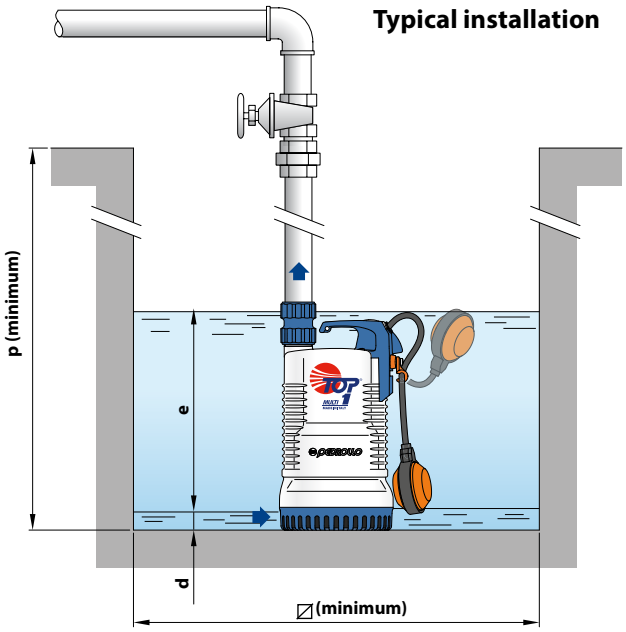
| TYPE | VOLTAGE |
|---|---|
| **Single-phase** | **230 V** |
| **TOP MULTI 1** | 2.0 A |
| **TOP MULTI 2** | 3.4 A |
| **TOP MULTI 3** | 3.6 A |
| **TOP MULTI 4** | 3.9 A |
| **TOP MULTI 5** | 3.9 A |

## DIMENSIONS AND WEIGHT

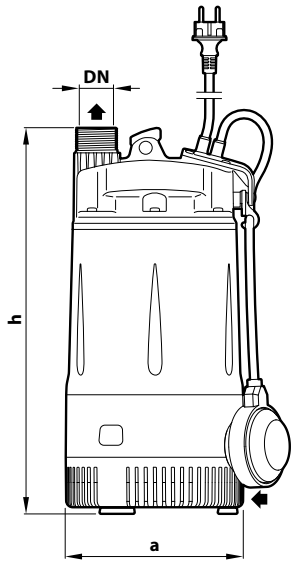
### TOP MULTI 1

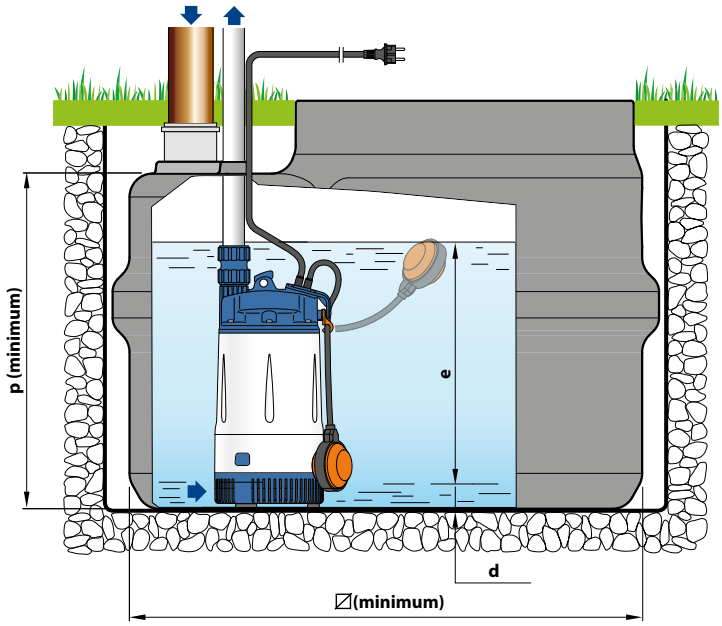



Typical installation




### TOP MULTI 2-3-4-5




| TYPE | PORT DN | NO. STAGES | DIMENSIONS mm a | b | h | h1 | d | e | p | ⍁ | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **TOP MULTI 1** | 1¼" | 2 | 170 | 192 | 295 | 315 | 25 | adjustable | 350 | 350 | 6.9 |
| **TOP MULTI 2** | | 3 | 178 | - | 380 | - | 35 | | 500 | 500 | 9.3 |
| **TOP MULTI 3** | | | | | | | | | | | 9.3 |
| **TOP MULTI 4** | | 4 | | | 415 | | | | | | 10.4 |
| **TOP MULTI 5** | | | | | | | | | | | 10.5 |

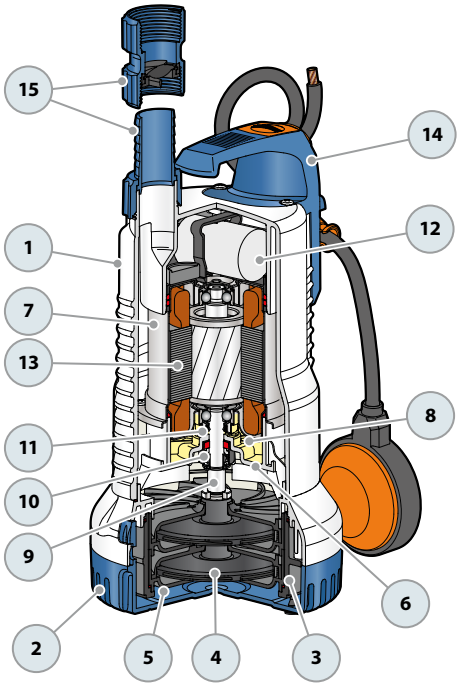
## PALLET CAPACITY

| TYPE | NO. OF PUMPS |
|---|---|
| **TOP MULTI 1** | 60 |
| **TOP MULTI 2** | 60 |
| **TOP MULTI 3** | 60 |
| **TOP MULTI 4** | 60 |
| **TOP MULTI 5** | 60 |

# TOP MULTI 1

## MATERIALS AND COMPONENTS

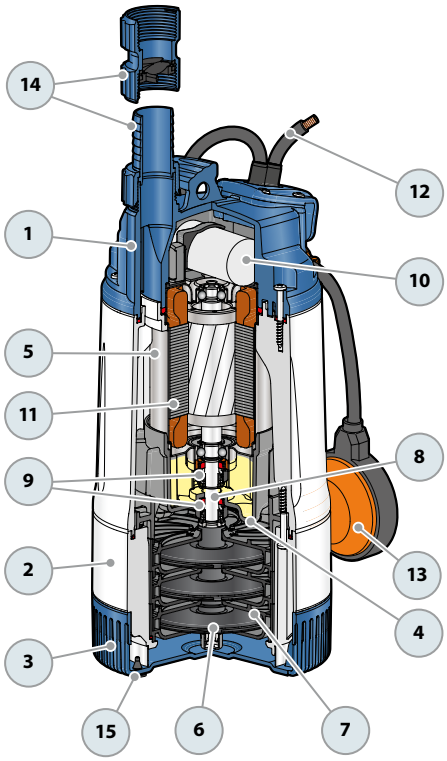
| | | |
|---|---|---|
| 1 | **Pump body** | Technopolymer |
| 2 | **Suction filter** | Technopolymer |
| 3 | **Containment stages** | Technopolymer |
| 4 | **Impellers** | Noryl™ |
| 5 | **Diffusers and stage boxes** | Noryl™ |
| 6 | **Diffuser vanes** | Technopolymer |
| 7 | **Motor sleeve** | Stainless steel **AISI 304** |
| 8 | **Motor cover** | Stainless steel **AISI 304** |
| 9 | **Motor shaft** | Stainless steel **AISI 431** |
| 10 | **Mechanical seal** | **STA-12R**<br>Ceramic/Graphite/NBR |
| 11 | **Shaft seal** | Ø 12 x Ø 19 x H 5 mm |
| 12 | **Capacitor** | |
| 13 | **Electric motor** | |
| 14 | **Handle group**<br>Including:<br>- Float switch<br>- Power cable with Schuko plug | |
| 15 | **Ferrule and hose nozzle** |  |
| | **Sleeve**<br>With built-in clapet valve |  |




# TOP MULTI 2-3-4-5

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Delivery port** | Technopolymer |
| 2 | **Pump body** | Technopolymer |
| 3 | **Suction filter** | Technopolymer |
| 4 | **Diffuser vanes** | Technopolymer |
| 5 | **Motor sleeve** | Stainless steel **AISI 304** |
| 6 | **Impellers** | Noryl™ |
| 7 | **Diffusers and stage boxes** | Noryl™ |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |
| 9 | **Double mechanical seal**<br>**STA-13R** Motor side Ceramic/Graphite/NBR<br>**STA-13R SIC** Pump side SIC/Graphite/NBR | |
| 10 | **Capacitor** | |
| 11 | **Electric motor** | |
| 12 | **Power cable** with Schuko plug | |
| 13 | **Float switch** | |
| 14 | **Ferrule and hose nozzle** |  |
| | **Sleeve**<br>With built-in clapet valve |  |
| 15 | **Anti-vibration feet** | |



# TOP MULTI-EVO Multi-stage submersible pumps

Clean water
Domestic use
Civil use




TOP MULTI 1 - EVO




TOP MULTI 2-3-4-5 - EVO

## PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 $m^3$/h)
- Head up to **52 m**

## INSTALLATION AND USE

**TOP MULTI-EVO** pumps are designed to transfer **clean water** free from abrasive particles and liquids that will not damage the pump's components. Efficient and reliable, they are ideal for domestic applications involving tanks, reservoirs, and deep wells. They are also perfect for collecting rainwater from water tanks (rain barrels) for manual watering or irrigation systems.

## APPLICATION LIMITS

- Maximum operating depth below water level:
  – up to **3 m** for TOP MULTI 1-EVO
  – up to **10 m** for TOP MULTI 2-3-4-5 EVO
  (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C**
- Draining capability:
  – up to **25 mm** from the bottom for TOP MULTI 1-EVO
  – up to **35 mm** from the bottom for TOP MULTI 2-3-4-5 EVO
- Manometric suction head up to **7 m**

## PATENTS - TRADE MARKS - MODELS

- TOP MULTI® Registered trademark No. 0001334477

## INCLUDES

※ **10 m** power cable
※ Float switch
※ Hose connector **Ø 35 mm**
※ Complete sleeve with clapet valve

## AVAILABLE UPON REQUEST

※ Different voltage requirements 60 Hz frequency
※ **KGE - Floating suction kit**



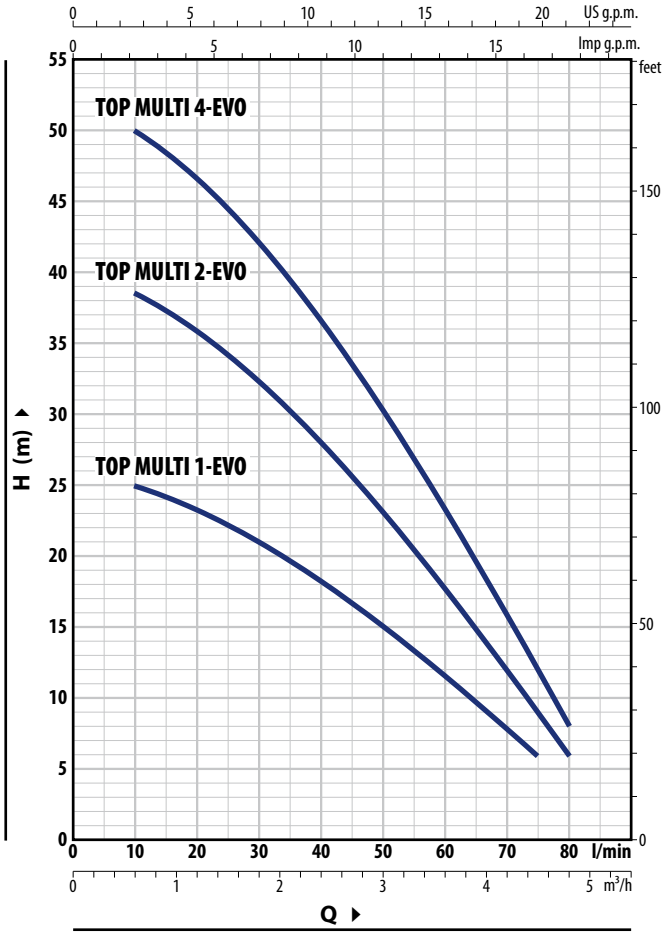
The KGE kit enables suction about 10 cm below the water surface, avoiding floating debris and sediment, thereby protecting the pump from damage.

Includes:
- 30 mm PVC spiral hose 1.5 metres long
- stainless steel suction filter
- spherical polyethylene float
- hose fittings Ø 30 mm

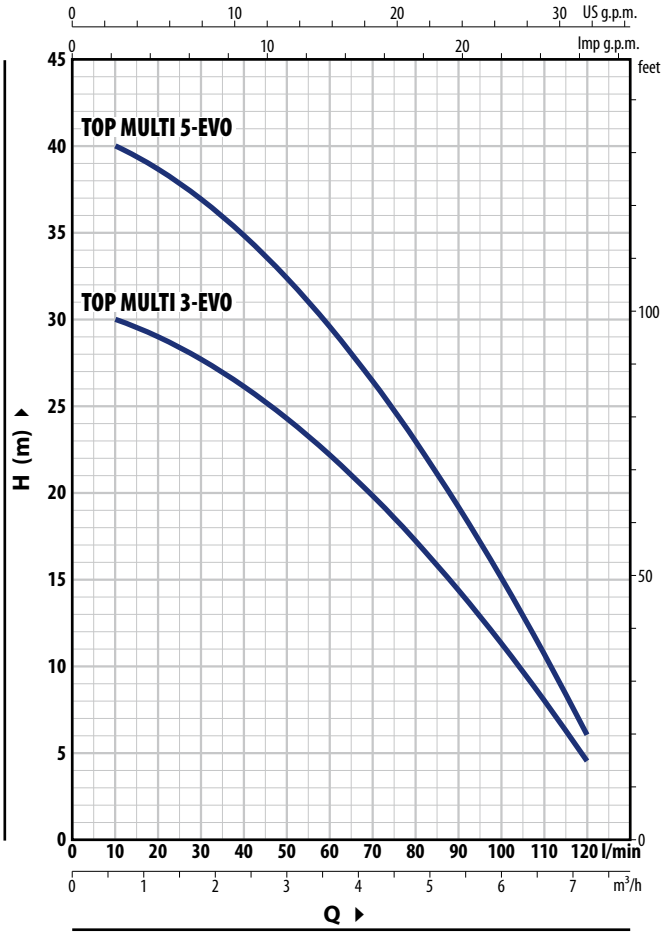
## CURVES AND PERFORMANCE DATA

**50 Hz**

## TOP MULTI 1-2-4 EVO




## TOP MULTI 3-5 EVO




## TOP MULTI 1-2-4 EVO

| TYPE | POWER (P2) | | Q m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.5 | 4.8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **kW** | **HP** | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **75** | **80** |
| **TOP MULTI 1-EVO** | 0.37 | 0.50 | | 26 | 25 | 23.3 | 21 | 18.3 | 15 | 11.6 | 8 | 6 | |
| **TOP MULTI 2-EVO** | 0.55 | 0.75 | **H** metres | 40 | 38.5 | 36 | 32.5 | 28 | 23 | 17.7 | 12 | 9 | 6 |
| **TOP MULTI 4-EVO** | 0.75 | 1 | | 52 | 50 | 46.5 | 42 | 36.5 | 30.5 | 23.3 | 15.8 | 12 | 8 |

## TOP MULTI 3-5 EVO

| TYPE | POWER (P2) | | Q m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **kW** | **HP** | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **110** | **120** |
| **TOP MULTI 3-EVO** | 0.55 | 0.75 | **H** metres | 30.5 | 30 | 29 | 27.5 | 26 | 24.3 | 22.2 | 19.8 | 17.2 | 14.4 | 11.3 | 8 | 4.5 |
| **TOP MULTI 5-EVO** | 0.75 | 1 | | 41 | 40 | 38.5 | 37 | 35 | 32.5 | 29.5 | 26.5 | 23 | 19.2 | 15 | 10.7 | 6 |

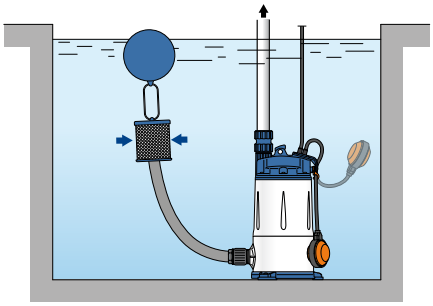
**Q** = Flow rate **H** = Total manometric head

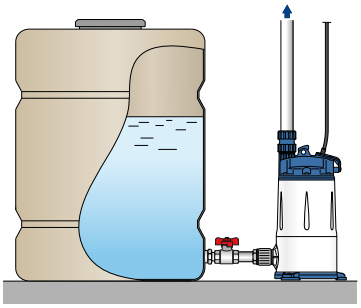
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## ABSORPTION

| TYPE | VOLTAGE |
|---|---|
| **Single-phase** | **230 V** |
| **TOP MULTI 1-EVO** | 2.0 A |
| **TOP MULTI 2-EVO** | 3.4 A |
| **TOP MULTI 3-EVO** | 3.6 A |
| **TOP MULTI 4-EVO** | 3.9 A |
| **TOP MULTI 5-EVO** | 3.9 A |

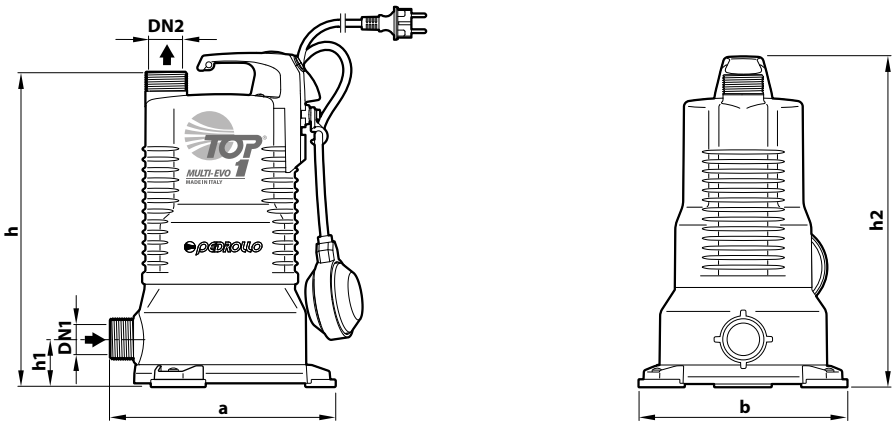
## INSTALLATION EXAMPLES



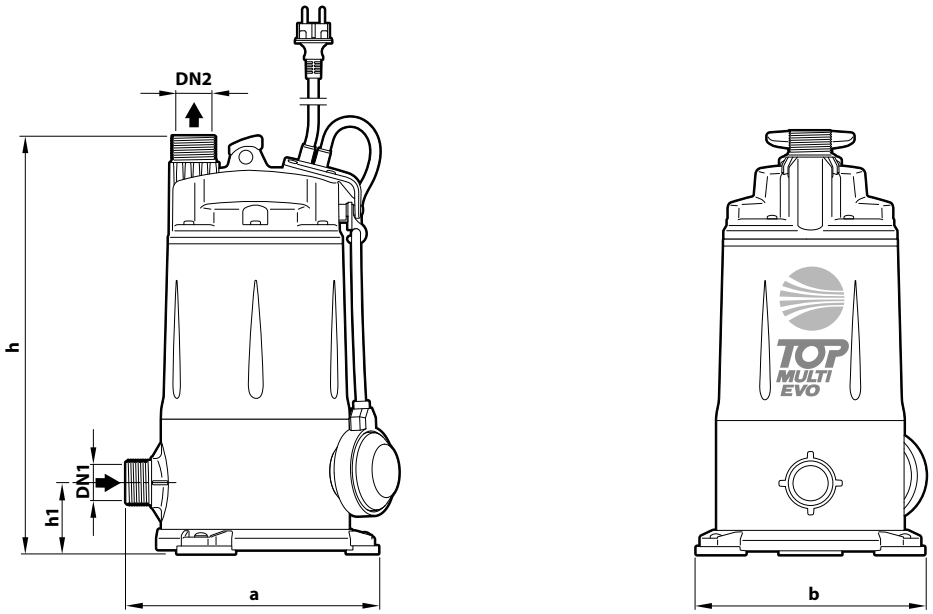


## DIMENSIONS AND WEIGHT

### TOP MULTI 1 EVO




### TOP MULTI 2-3-4-5 EVO




| TYPE | PORTS | | NO. STAGES | DIMENSIONS mm | | | | | kg |
|---|---|---|---|---|---|---|---|---|---|
| | DN1 | DN2 | | a | b | h | h1 | h2 | |
| **TOP MULTI 1-EVO** | **1¼"** | **1¼"** | 2 | 227 | 210 | 317 | 49 | 337 | 7.1 |
| **TOP MULTI 2-EVO** | | | 3 | 239 | 216 | 394 | 68 | – | 9.9 |
| **TOP MULTI 3-EVO** | | | | | | | | | 9.9 |
| **TOP MULTI 4-EVO** | | | 4 | | | 428 | | | 10.4 |
| **TOP MULTI 5-EVO** | | | | | | | | | 10.4 |

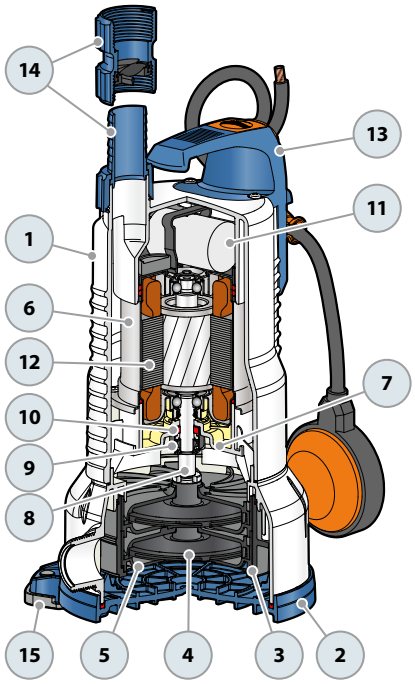
## PALLET CAPACITY

| TYPE | NO. OF PUMPS |
|---|---|
| **TOP MULTI 1-EVO** | 45 |
| **TOP MULTI 2-EVO** | 45 |
| **TOP MULTI 3-EVO** | 45 |
| **TOP MULTI 4-EVO** | 45 |
| **TOP MULTI 5-EVO** | 45 |

# TOP MULTI 1 EVO

## MATERIALS AND COMPONENTS

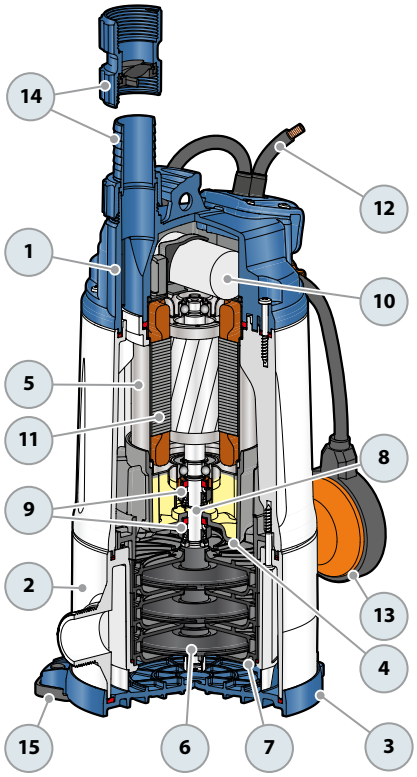
| | | |
|---|---|---|
| 1 | **Pump body** | Technopolymer |
| 2 | **Base** | Technopolymer |
| 3 | **Containment stages** | Technopolymer |
| 4 | **Impellers** | Noryl™ |
| 5 | **Diffusers and stage boxes** | Noryl™ |
| 6 | **Motor sleeve** | Stainless steel **AISI 304** |
| 7 | **Motor cover** | Stainless steel **AISI 304** |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |
| 9 | **Mechanical seal** | **STA-12R**<br>Ceramic/Graphite/NBR |
| 10 | **Shaft seal** | Ø 12 x Ø 19 x H 5 mm |
| 11 | **Capacitor** | |
| 12 | **Electric motor** | |
| 13 | **Handle group**<br>Including:<br>- Float switch<br>- Power cable with Schuko plug | |
| 14 | **Ferrule and hose nozzle** |  |
| | **Sleeve**<br>With built-in clapet valve |  |
| 15 | **Anti-vibration feet** | |




# TOP MULTI 2-3-4-5 EVO

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Delivery port** | Technopolymer |
| 2 | **Suction body** | Technopolymer |
| 3 | **Base** | Technopolymer |
| 4 | **Diffuser vanes** | Technopolymer |
| 5 | **Motor sleeve** | Stainless steel **AISI 304** |
| 6 | **Impellers** | Noryl™ |
| 7 | **Diffusers and stage boxes** | Noryl™ |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |
| 9 | **Double mechanical seal**<br>**STA-13R** Motor side Ceramic/Graphite/NBR<br>**STA-13R SIC** Pump side SIC/Graphite/NBR | |
| 10 | **Capacitor** | |
| 11 | **Electric motor** | |
| 12 | **Power cable** with Schuko plug | |
| 13 | **Float switch** | |
| 14 | **Ferrule and hose nozzle** |  |
| | **Sleeve**<br>With built-in clapet valve |  |
| 15 | **Anti-vibration feet** | |



# TOP MULTI-TECH

## Automatic submersible pumps

Clean water

Domestic use

Civil use

### ※ AUTOMATIC START & STOP

**The integrated electronic device allows the pump to be started or stopped automatically by opening or closing the tap.**




### PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 $m^3$/h)
- Head up to **52 m**
- Restart pressure:
  - **1.5 bar** for TOP MULTI-TECH 2-3-5
  - **2.5 bar** for TOP MULTI-TECH 4

### INSTALLATION AND USE

**TOP-MULTI-TECH** pumps are designed to transfer **clean water** free from abrasive particles and liquids that will not damage the pump's components. Efficient and reliable, they are ideal for domestic applications involving tanks, reservoirs, and deep wells. They are also perfect for collecting rainwater from water tanks (rain barrels) for manual watering or irrigation systems.

### ELECTRONIC DEVICE

**TOP MULTI-TECH** pumps feature an internal electronic device that activates the pump if system pressure (such as when a tap opens) falls below **1.5 bar** (or **2.5 bar** for TOP MULTI-TECH 4) and deactivates it when flow declines to less than 3 l/min.

※ Protects the pump:
- **against dry running;**
- **to prevent blockages, the electronic device automatically runs the pump for 10 seconds every 48 hours after extended periods of inactivity.**

### APPLICATION LIMITS

- Maximum operating depth below water level up to **5 m**
- Maximum height between pump and user: **10 m**
- Liquid temperature up to **+40 °C**
- Draining capability up to **35 mm** from the bottom

### INCLUDES

※ **10 m** power cable
※ Threaded fitting 1¼"
※ Hose connector **Ø 35 mm**

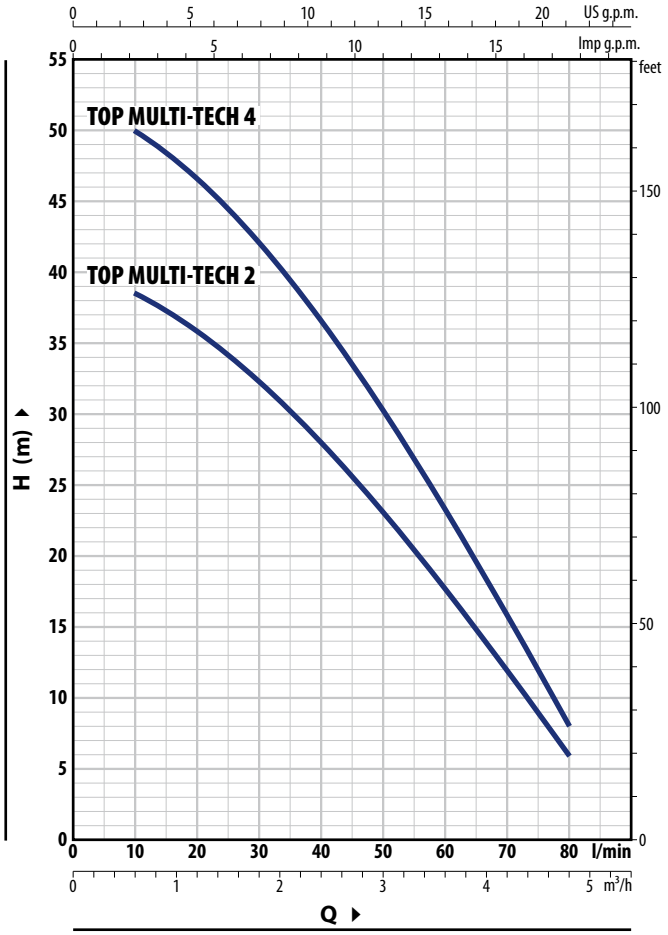
### PATENTS - TRADE MARKS - MODELS

- Patent No. EP2990653
- TOP MULTI® Registered trademark No. 0001334477

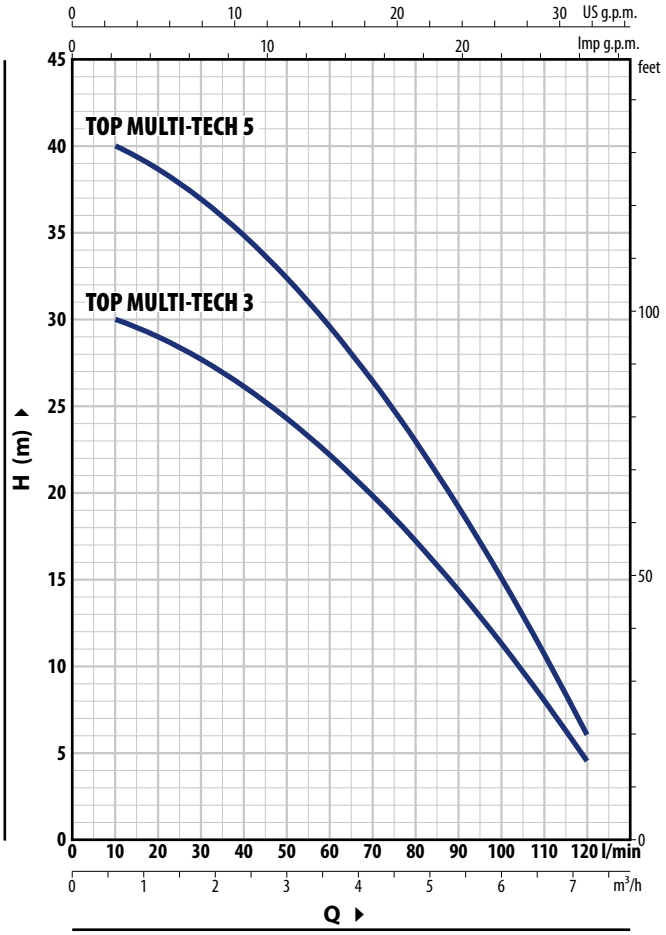
## CURVES AND PERFORMANCE DATA

**50 Hz**

## TOP MULTI-TECH 2-4




## TOP MULTI-TECH 3-5




## TOP MULTI-TECH 2-4

| TYPE | POWER (P2) | | Q | m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3 | 3.6 | 4.2 | 4.5 | 4.8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **kW** | **HP** | | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **75** | **80** |
| **TOP MULTI-TECH 2** | 0.55 | 0.75 | **H** metres | | 40 | 38.5 | 36 | 32.5 | 28 | 23 | 17.7 | 12 | 9 | 6 |
| **TOP MULTI-TECH 4** | 0.75 | 1 | | | 52 | 50 | 46.5 | 42 | 36.5 | 30.5 | 23.3 | 15.8 | 12 | 8 |

## TOP MULTI-TECH 3-5

| TYPE | POWER (P2) | | Q | m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3 | 3.6 | 4.2 | 4.5 | 4.8 | 5.4 | 6 | 6.6 | 7.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **kW** | **HP** | | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **75** | **80** | **90** | **100** | **110** | **120** |
| **TOP MULTI-TECH 3** | 0.55 | 0.75 | **H** metres | | 30.5 | 30 | 29 | 27.5 | 26 | 24.3 | 22.2 | 19.8 | 18.5 | 17.2 | 14.4 | 11.3 | 8 | 4.5 |
| **TOP MULTI-TECH 5** | 0.75 | 1 | | | 41 | 40 | 38.5 | 37 | 35 | 32.5 | 29.5 | 26.5 | 24.7 | 23 | 19.2 | 15 | 10.7 | 6 |

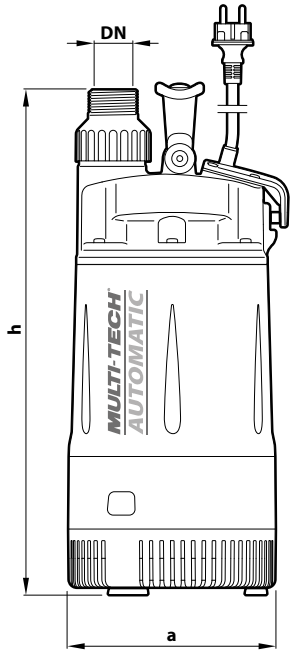
**Q** = Flow rate **H** = Total manometric head

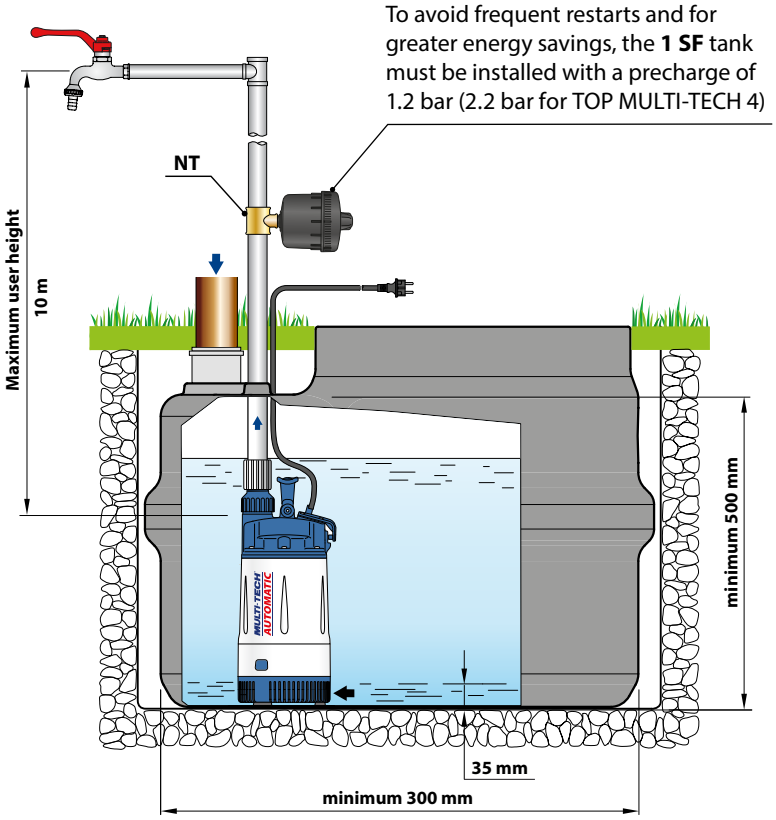
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## ABSORPTION

| TYPE | VOLTAGE |
|---|---|
| **Single-phase** | **230 V** |
| **TOP MULTI-TECH 2** | 3.4 A |
| **TOP MULTI-TECH 3** | 3.6 A |
| **TOP MULTI-TECH 4** | 3.9 A |
| **TOP MULTI-TECH 5** | 3.9 A |

## DIMENSIONS AND WEIGHT




| TYPE | PORT | DIMENSIONS mm | | kg |
|---|---|---|---|---|
| | DN | a | h | |
| **TOP MULTI-TECH 2** | **1¼"** | 178 | 428 | 9.5 |
| **TOP MULTI-TECH 3** | | | | |
| **TOP MULTI-TECH 4** | | | 463 | 10.5 |
| **TOP MULTI-TECH 5** | | | | |

**Typical installation**



## PALLET CAPACITY

| TYPE | NO. OF PUMPS |
|---|---|
| **TOP MULTI-TECH 2** | 60 |
| **TOP MULTI-TECH 3** | 60 |
| **TOP MULTI-TECH 4** | 40 |
| **TOP MULTI-TECH 5** | 40 |

## ACCESSORIES (CAN BE ORDERED SEPARATELY)

| TYPE | Code | FITTING | CAPACITY | PRECARE | MAXIMUM WORKING PRESSURE |
|---|---|---|---|---|---|
| ※ Tank **1 SF**  | 50057005 | ½" (male) | 1 litre | 1.2 bar | 10 bar |
| 3-way fitting **NT 1.25**  | 500160001 | 1¼" - 1¼" - ½" gas | – | – | – |

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Delivery port** | Technopolymer |
| 2 | **Pump body** | Technopolymer |
| 3 | **Suction filter** | Technopolymer |
| 4 | **Diffuser vanes** | Technopolymer |
| 5 | **Motor sleeve** | Stainless steel **AISI 304** |
| 6 | **Impellers** | Noryl™ |
| 7 | **Diffusers and stage boxes** | Noryl™ |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |
| 9 | **Electronic device** | |

**10 Double mechanical seal with interposed oil chamber**

| Seal | Shaft | Location | Materials |
|---|---|---|---|
| **STA-13R** | Ø 13 mm | Motor side | Ceramic / Graphite /NBR |
| **STA-13R SIC** | Ø 13 mm | Pump side | Silicon carbide / Graphite /NBR |

**11 Capacitor**

**12 Electric motor**

**TOP MULTI-TECH**: single-phase 230 V - 50 Hz with winding integrated thermal motor protection.

- Continuous running duty S1
- Insulation: Class F
- Protection rating: IP X8

**13 Power cord**
**Type 'H07 RN-F' with Schuko plug**

※ Standard length 10 metres

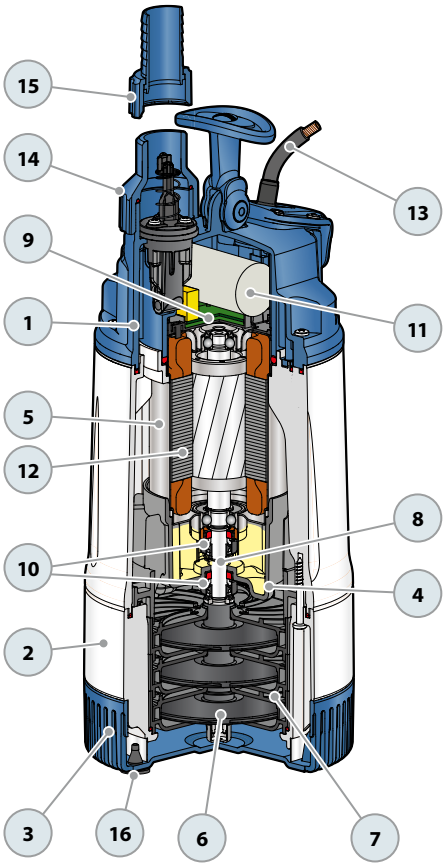
**14 Threaded connection 1¼"**



**15 Ferrule and hose connector Ø 35 mm**



**16 Anti-vibration feet**



# TOP MULTI-EVOTECH

## Automatic submersible pumps

Clean water

Domestic use

Civil use

### ※ AUTOMATIC START & STOP

**The integrated electronic device automatically starts or stops the pump when the tap is opened or closed.**




### PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 $m^3$/h)
- Head up to **52 m**
- Restart pressure:
  - **1.5 bar** for TOP MULTI-EVOTECH 2-3-5
  - **2.5 bar** for TOP MULTI-EVOTECH 4

### INSTALLATION AND USE

**TOP MULTI-EVOTECH** pumps are designed to transfer **clean water** free from abrasive particles and liquids that will not damage the pump's components. Efficient and reliable, they are ideal for domestic applications involving tanks, reservoirs, and deep wells. They are also perfect for collecting rainwater from water tanks (rain barrels) for manual watering or irrigation systems.

### ELECTRONIC DEVICE

TOP MULTI-EVOTECH pumps feature an internal electronic device that activates the pump if system pressure (such as when a tap opens) falls below **1.5 bar** (or **2.5 bar** for TOP MULTI-EVOTECH 4) and deactivates it when flow declines to less than 3 l/min.

※ Protects the pump:
- **against dry running;**
- **to prevent blockages, the electronic device automatically runs the pump for 10 seconds every 48 hours after extended periods of inactivity.**

### APPLICATION LIMITS

- Maximum operating depth below water level up to **5 m**
- Maximum height between pump and utility **10 m**
- Liquid temperature up to **+40 °C**
- Draining capability up to **35 mm** from the bottom

### INCLUDES

※ **10 m** power cable
※ Threaded connection 1¼" (delivery)
※ Hose connector Ø 35 mm

### AVAILABLE UPON REQUEST

※ Different voltage requirements 60 Hz frequency

※ **KGE - Floating suction kit**



The KGE kit enables suction about 10 cm below the water surface, avoiding floating debris and sediment, thereby protecting the pump from damage.

Includes:
- 30 mm PVC spiral hose 1.5 metres long
- stainless steel suction filter
- spherical polyethylene float
- hose fittings Ø 30 mm

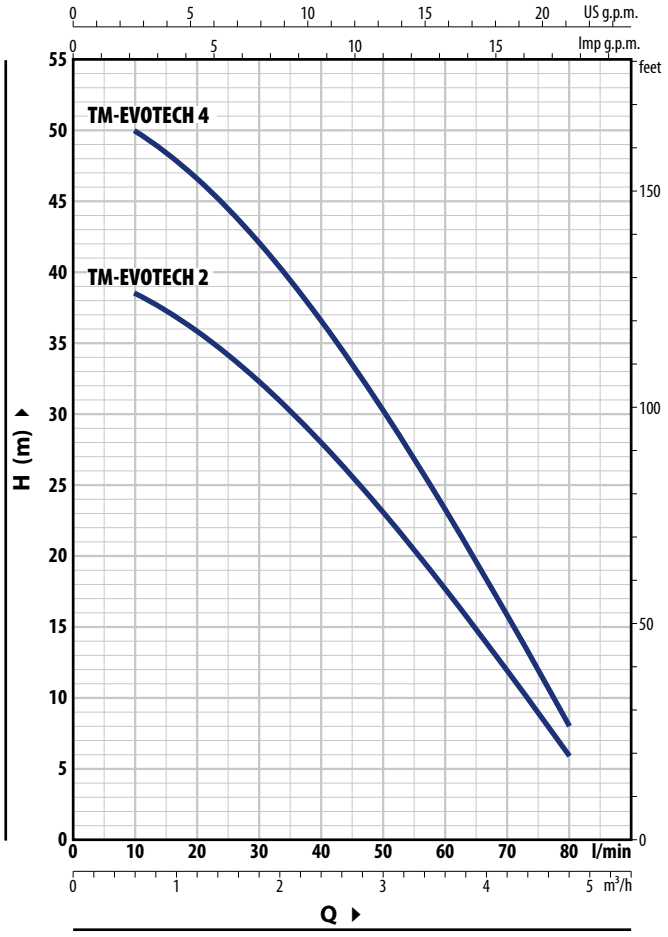
### PATENTS - TRADE MARKS - MODELS

- Patent No. EP2990653
- TOP MULTI® Registered trademark No. 0001334477

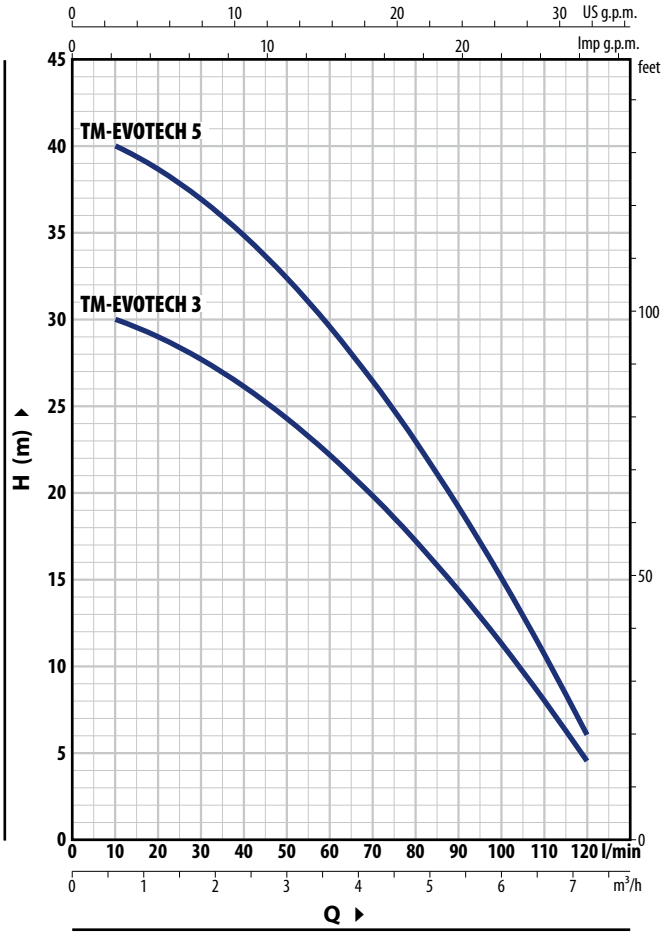
## CURVES AND PERFORMANCE DATA

**50 Hz**

## TOP MULTI-EVOTECH 2-4




## TOP MULTI-EVOTECH 3-5




## TOP MULTI-EVOTECH 2-4

| TYPE | POWER (P2) | | Q | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single-phase | kW | HP | m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3 | 3.6 | 4.2 | 4.5 | 4.8 |
| | | | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **75** | **80** |
| **TOP MULTI-EVOTECH 2** | 0.55 | 0.75 | **H** metres | 40 | 38.5 | 36 | 32.5 | 28 | 23 | 17.7 | 12 | 9 | 6 |
| **TOP MULTI-EVOTECH 4** | 0.75 | 1 | | 52 | 50 | 46.5 | 42 | 36.5 | 30.5 | 23.3 | 15.8 | 12 | 8 |

## TOP MULTI-EVOTECH 3-5

| TYPE | POWER (P2) | | Q | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single-phase | kW | HP | m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3 | 3.6 | 4.2 | 4.5 | 4.8 | 5.4 | 6 | 6.6 | 7.2 |
| | | | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **75** | **80** | **90** | **100** | **110** | **120** |
| **TOP MULTI-EVOTECH 3** | 0.55 | 0.75 | **H** metres | 30.5 | 30 | 29 | 27.5 | 26 | 24.3 | 22.2 | 19.8 | 18.5 | 17.2 | 14.4 | 11.3 | 8 | 4.5 |
| **TOP MULTI-EVOTECH 5** | 0.75 | 1 | | 41 | 40 | 38.5 | 37 | 35 | 32.5 | 29.5 | 26.5 | 24.7 | 23 | 19.2 | 15 | 10.7 | 6 |

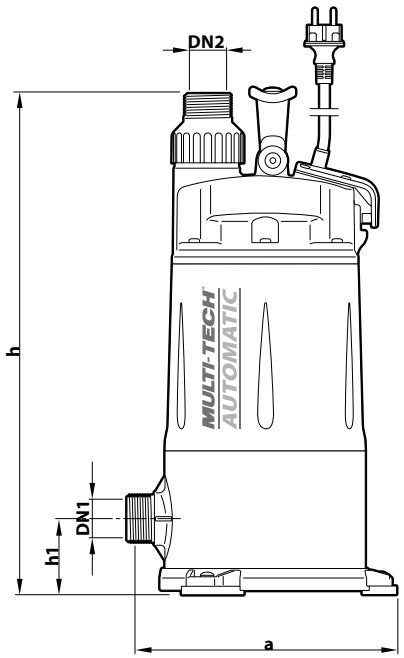
**Q** = Flow rate **H** = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## ABSORPTION

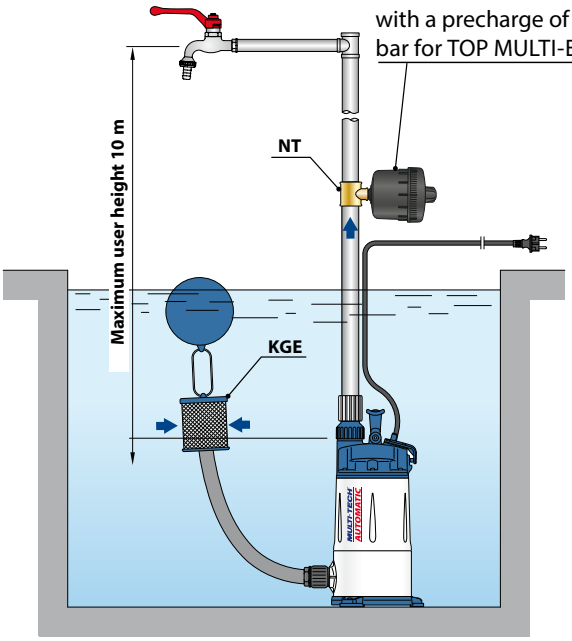
| TYPE | VOLTAGE |
|---|---|
| **Single-phase** | **230 V** |
| **TOP MULTI-EVOTECH 2** | 3.4 A |
| **TOP MULTI-EVOTECH 3** | 3.6 A |
| **TOP MULTI-EVOTECH 4** | 3.9 A |
| **TOP MULTI-EVOTECH 5** | 3.9 A |

## DIMENSIONS AND WEIGHT




### Typical installation

To avoid frequent restarts and for greater energy savings, the **1 SF** tank must be installed with a precharge of 1.2 bar (2.2 bar for TOP MULTI-EVOTECH 4)




| TYPE | PORTS | | NO. STAGES | DIMENSIONS mm | | | kg |
|---|---|---|---|---|---|---|---|
| | DN1 | DN2 | | a | h | h1 | |
| **TOP MULTI-EVOTECH 2** | **1¼"** | **1¼"** | **3** | 239 | 442 | 68 | 9.9 |
| **TOP MULTI-EVOTECH 3** | | | | | | | 9.9 |
| **TOP MULTI-EVOTECH 4** | | | **4** | | 476 | | 11.0 |
| **TOP MULTI-EVOTECH 5** | | | | | | | 11.0 |

## ACCESSORIES (CAN BE ORDERED SEPARATELY)

| TYPE | Code | FITTING | CAPACITY | PRECARE | MAXIMUM WORKING PRESSURE |
|---|---|---|---|---|---|
| ※ Tank **1 SF**  | 50057005 | ½" (male) | 1 litre | 1.2 bar | 10 bar |
| 3-way fitting **NT 1.25**  | 500160001 | 1¼" - 1¼" - ½" gas | – | – | – |

## PALLET CAPACITY

| TYPE | NO. OF PUMPS |
|---|---|
| **TOP MULTI-EVOTECH 2** | 45 |
| **TOP MULTI-EVOTECH 3** | 45 |
| **TOP MULTI-EVOTECH 4** | 45 |
| **TOP MULTI-EVOTECH 5** | 45 |

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Delivery port** | Technopolymer with ISO 228/1 threaded port |
| 2 | **Suction body** | Technopolymer with ISO 228/1 threaded port |
| 3 | **Base** | Technopolymer |
| 4 | **Diffuser vanes** | Technopolymer |
| 5 | **Motor sleeve** | Stainless steel **AISI 304** |
| 6 | **Impellers** | Noryl™ |
| 7 | **Diffusers and stage boxes** | Noryl™ |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |
| 9 | **ELECTRONIC DEVICE** | |

**10** **Double mechanical seal with interposed oil chamber**

| Seal | Shaft | Location | Materials |
|---|---|---|---|
| **STA-13R** | Ø 13 mm | Motor side | Ceramic / Graphite /NBR |
| **STA-13R SIC** | Ø 13 mm | Pump side | Silicon carbide / Graphite /NBR |

**11** **Capacitor**

**12** **Electric motor**

**TOP MULTI-EVOTECH**: single-phase 230 V - 50 Hz
with winding integrated thermal motor protection.

- Continuous running duty S1
- Insulation: Class F
- Protection rating: IP X8

**13** **Power cord**
**Type 'H07 RN-F' with Schuko plug**

※ Standard length 10 metres

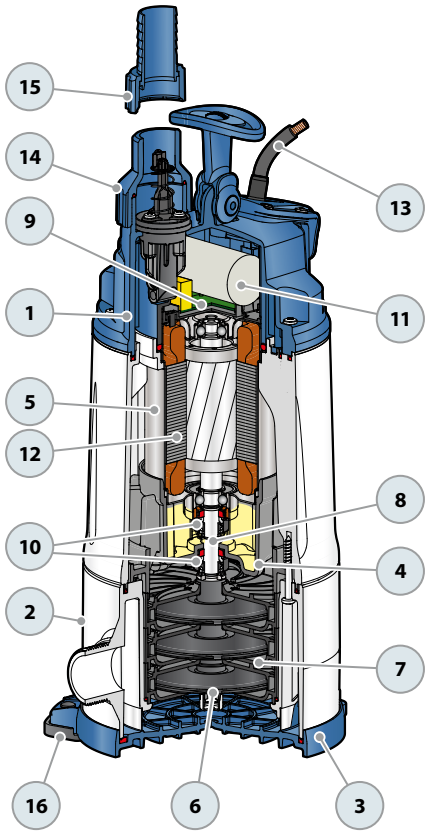
**14** **Threaded connection 1¼"**



**15** **Ferrule and hose connector Ø 35 mm**



**16** **Anti-vibration feet**



# UP Multi-stage submersible pumps

Clean water

Domestic use

Civil use

Agricultural use




## PERFORMANCE RANGE

- Flow rate up to **180 l/min** (10.8 $m^3$/h)
- Head up to **97 m**

## INSTALLATION AND USE

A series of multi-impeller submersible pumps engineered for enhanced reliability, thanks to innovative patented solutions that prevent stalling even after prolonged periods of inactivity.

Highly efficient and reliable, these pumps are ideal for various applications, including water distribution in domestic, civil, and agricultural settings, particularly for water distribution in conjunction with pressure tanks, for irrigation, pressure boosting, and more.

## APPLICATION LIMITS

- Liquid temperature up to **+40 °C**
- Maximum sand content **150 g/$m^3$**
- Maximum operating depth below water level up to **20 m** (with an appropriately sized power cable)
- Vertical and horizontal operation

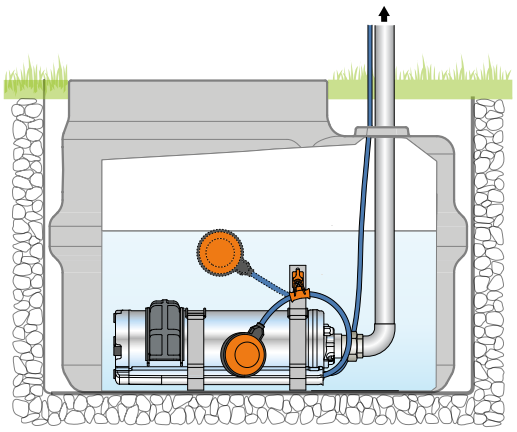
## INCLUDES

※ Float switch (exclusive to single-phase models)
※ Power cable length **10 m**

## AVAILABLE UPON REQUEST

※ Pumps without float switch
※ **20 m** or **30 m** power cables
※ Different voltage requirements 60 Hz frequency

※ **Support kit for horizontal operation**

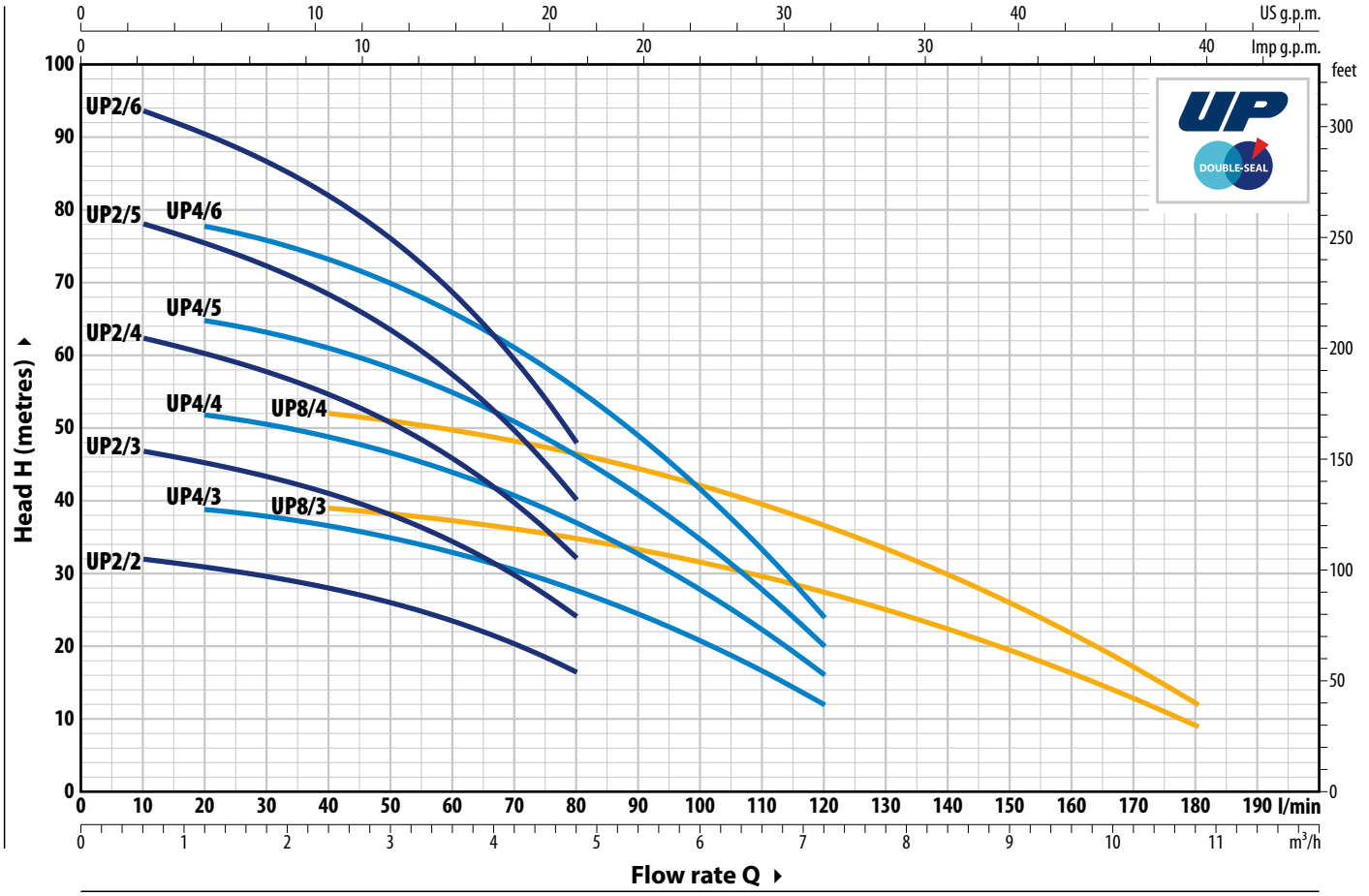


## PATENTS - TRADE MARKS - MODELS

- Patent No. IT0001428923
- Patent No. EP2419642

## CURVES AND PERFORMANCE DATA

**50 Hz**




| TYPE | | POWER (P2) | | Q m³/h | 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** | **Q l/min** | **0** | **10** | **20** | **40** | **60** | **80** | **100** | **120** | **140** | **160** | **180** |
| **UPm 2/2-GE** | – | 0.37 | 0.5 | | 33 | 32 | 31 | 28 | 23.5 | 16.4 | | | | | |
| **UPm 2/3-GE** | **UP 2/3** | 0.55 | 0.75 | | 48.5 | 47 | 45 | 41 | 34.5 | 24 | | | | | |
| **UPm 2/4-GE** | **UP 2/4** | 0.75 | 1 | | 64.5 | 62.5 | 60.5 | 54.5 | 46 | 32 | | | | | |
| **UPm 2/5-GE** | **UP 2/5** | 1.1 | 1.5 | | 80 | 78 | 75 | 68.5 | 57 | 40 | | | | | |
| **UPm 2/6-GE** | **UP 2/6** | 1.5 | 2 | | 97 | 94 | 90 | 82 | 68.5 | 48 | | | | | |
| **UPm 4/3-GE** | **UP 4/3** | 0.55 | 0.75 | **H** metres | 40 | – | 39 | 36.5 | 33 | 28 | 20.8 | 12 | | | |
| **UPm 4/4-GE** | **UP 4/4** | 0.75 | 1 | | 53 | – | 52 | 49 | 44 | 37 | 28 | 16 | | | |
| **UPm 4/5-GE** | **UP 4/5** | 1.1 | 1.5 | | 67 | – | 65 | 61 | 55 | 46.5 | 34.5 | 20 | | | |
| **UPm 4/6-GE** | **UP 4/6** | 1.5 | 2 | | 80 | – | 78 | 73 | 66 | 55.5 | 41.5 | 24 | | | |
| **UPm 8/3-GE** | **UP 8/3** | 1.1 | 1.5 | | 40.5 | – | – | 39 | 37.5 | 35 | 31.5 | 27.5 | 22.3 | 16.2 | 9 |
| **UPm 8/4-GE** | **UP 8/4** | 1.5 | 2 | | 54 | – | – | 52 | 49.5 | 46.5 | 42 | 36.5 | 29.5 | 21.6 | 12 |

**Q** = Flow rate **H** = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

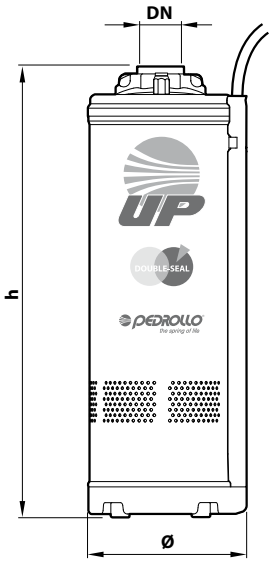
➠ **On request single-phase pumps without float switch**

## ABSORPTION

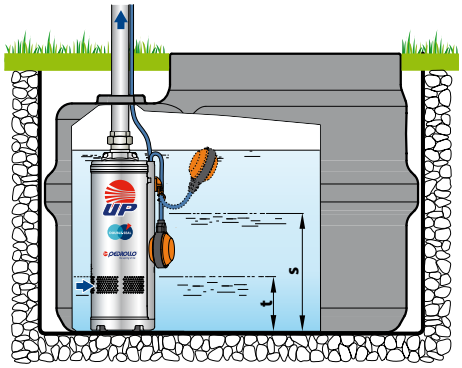
| TYPE | VOLTAGE |
|---|---|
| **Single-phase** | **230 V** |
| **UPm 2/2-GE** | 4.4 A |
| **UPm 2/3-GE** | 5.4 A |
| **UPm 2/4-GE** | 6.2 A |
| **UPm 2/5-GE** | 7.6 A |
| **UPm 2/6-GE** | 8.8 A |
| **UPm 4/3-GE** | 5.0 A |
| **UPm 4/4-GE** | 6.2 A |
| **UPm 4/5-GE** | 7.2 A |
| **UPm 4/6-GE** | 8.7 A |
| **UPm 8/3-GE** | 6.8 A |
| **UPm 8/4-GE** | 8.5 A |

| TYPE | VOLTAGE |
|---|---|
| **Three-phase** | **400 V** |
| **UP 2/3** | **1.9** A |
| **UP 2/4** | 2.3 A |
| **UP 2/5** | 2.9 A |
| **UP 2/6** | 3.3 A |
| **UP 4/3** | **1.8** A |
| **UP 4/4** | 2.2 A |
| **UP 4/5** | 2.8 A |
| **UP 4/6** | 3.2 A |
| **UP 8/3** | 2.7 A |
| **UP 8/4** | 3.3 A |

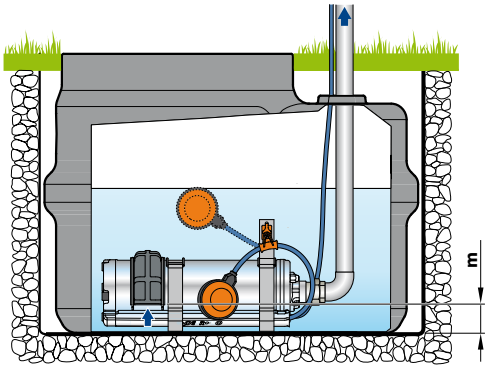
## DIMENSIONS AND WEIGHT




※ VERTICAL INSTALLATION




※ HORIZONTAL INSTALLATION




| TYPE | | PORT | DIMENSIONS mm | | kg | |
|---|---|---|---|---|---|---|
| **Single-phase** | **Three-phase** | **DN** | Ø | h | 1~ | 3~ |
| **UPm 2/2-GE** | – | **1¼"** | 150 | 384 | 12.8 | 12.5 |
| **UPm 2/3-GE** | **UP 2/3** | | | 411 | 13.1 | 13.3 |
| **UPm 2/4-GE** | **UP 2/4** | | | 468 | 14.9 | 14.0 |
| **UPm 2/5-GE** | **UP 2/5** | | | 495 | 16.5 | 15.3 |
| **UPm 2/6-GE** | **UP 2/6** | | | 542 | 18.0 | 16.7 |
| **UPm 4/3-GE** | **UP 4/3** | | | 411 | 13.2 | 12.9 |
| **UPm 4/4-GE** | **UP 4/4** | | | 468 | 14.8 | 13.4 |
| **UPm 4/5-GE** | **UP 4/5** | | | 495 | 16.4 | 15.3 |
| **UPm 4/6-GE** | **UP 4/6** | | | 542 | 18.1 | 16.9 |
| **UPm 8/3-GE** | **UP 8/3** | | | 441 | 15.2 | 14.2 |
| **UPm 8/4-GE** | **UP 8/4** | | | 488 | 17.0 | 15.8 |

| TYPE | LEVELS mm | | |
|---|---|---|---|
| | s | t | m |
| **UP 2/2**<br>**UP 2/3**<br>**UP 4/3** | 310 | 113 | 55 |
| **UP 2/4**<br>**UP 2/5**<br>**UP 4/4**<br>**UP 4/5**<br>**UP 8/3** | 340 | | |
| **UP 2/6**<br>**UP 4/6**<br>**UP 8/4** | 360 | | |

**s** = Minimum restart level
**t** = Draining capability
**m** = Minimum operating level

## PALLET CAPACITY

| TYPE | | NO. OF PUMPS |
|---|---|---|
| **Single-phase** | **Three-phase** | |
| **UPm 2/2-GE** | – | 30 |
| **UPm 2/3-GE** | **UP 2/3** | 30 |
| **UPm 2/4-GE** | **UP 2/4** | 30 |
| **UPm 2/5-GE** | **UP 2/5** | 25 |
| **UPm 2/6-GE** | **UP 2/6** | 25 |
| **UPm 4/3-GE** | **UP 4/3** | 30 |
| **UPm 4/4-GE** | **UP 4/4** | 30 |
| **UPm 4/5-GE** | **UP 4/5** | 25 |
| **UPm 4/6-GE** | **UP 4/6** | 25 |
| **UPm 8/3-GE** | **UP 8/3** | 30 |
| **UPm 8/4-GE** | **UP 8/4** | 30 |

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Outer sleeve** | **AISI 304** stainless steel with ISO 228/1 threaded delivery port |
| 2 | **Internal motor jacket** | Stainless steel **AISI 304** |
| 3 | **Impellers and diffusers** | Noryl™ |
| 4 | **Diaphragms** | Stainless steel **AISI 304** |
| 5 | **Motor shaft** | Stainless steel **AISI 431** |

**6 Double mechanical seal with interposed oil chamber**

| Seal | Shaft | Location | Materials |
|---|---|---|---|
| **STA-17** | Ø 17 mm | Motor side | Ceramic / Graphite /NBR |
| **ST1-16** | Ø 16 mm | Pump side | Silicon carbide / Graphite / NBR |

**7 Capacitor**

**8 Electric motor**

**UPm**: single-phase 230 V - 50 Hz with winding integrated thermal motor protection
**UP**: three-phase 400 V - 50 Hz

- Continuous running duty S1
- Insulation: Class F
- Protection rating: IP X8

**9 Power cord**

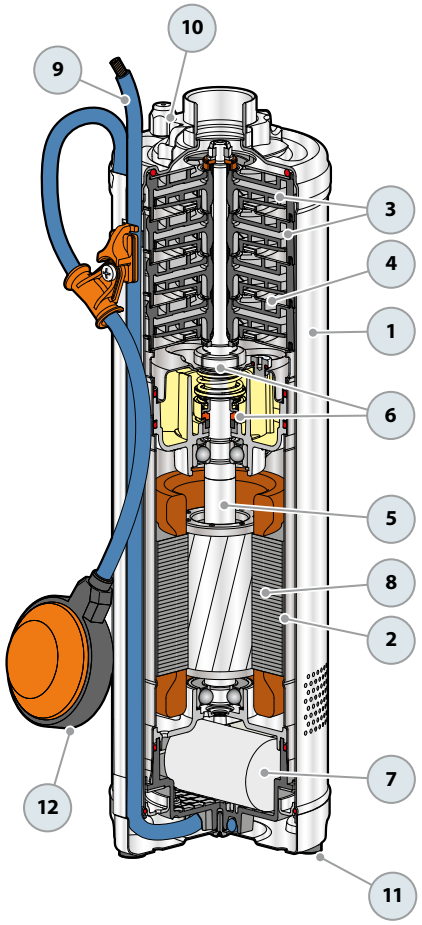
➠ **DRINCABLE®** type
approved for use in drinking water by **WRAS**
according to BS 6920, approval no. 7513

※ Standard length 10 metres

**10 Automatic vent valve**

**11 Anti-vibration feet**

**12 Float switch**
(exclusive to single-phase models)



# NK Multi-stage submersible pumps

Clean water
Domestic use
Civil use
Agricultural use




**※ Designed to transfer clean water in domestic, agricultural, and civil settings. Optimal for tanks or reservoirs water supply and garden irrigation**

## PERFORMANCE RANGE

- Flow rate up to **160 l/min** (9.6 $m^3$/h)
- Head up to **97 m**

## INSTALLATION AND USE

Designed for enhanced reliability with patented solutions to prevent stalling during extended periods of inactivity. Superb for various applications including domestic, civil, and agricultural sectors, water distribution with pressure tanks, irrigation, and enhancing water pressure.

## INCLUDES

※ Float switch (exclusive to single-phase models)
※ Power cable length **10 m**

## APPLICATION LIMITS

- Liquid temperature up to **+40 °C**
- Maximum sand content **150 g/$m^3$**
- Maximum operating depth below water level up to **20 m** (with an appropriately sized power cable)

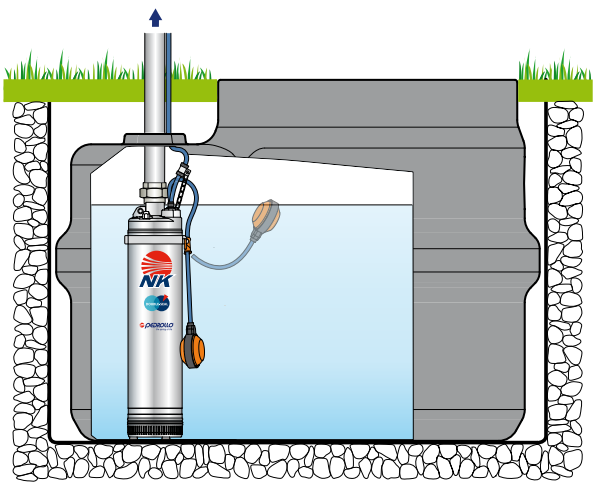
## AVAILABLE UPON REQUEST

※ Other power cable lengths available
※ Different voltage requirements 60 Hz frequency

## PATENTS - TRADE MARKS - MODELS

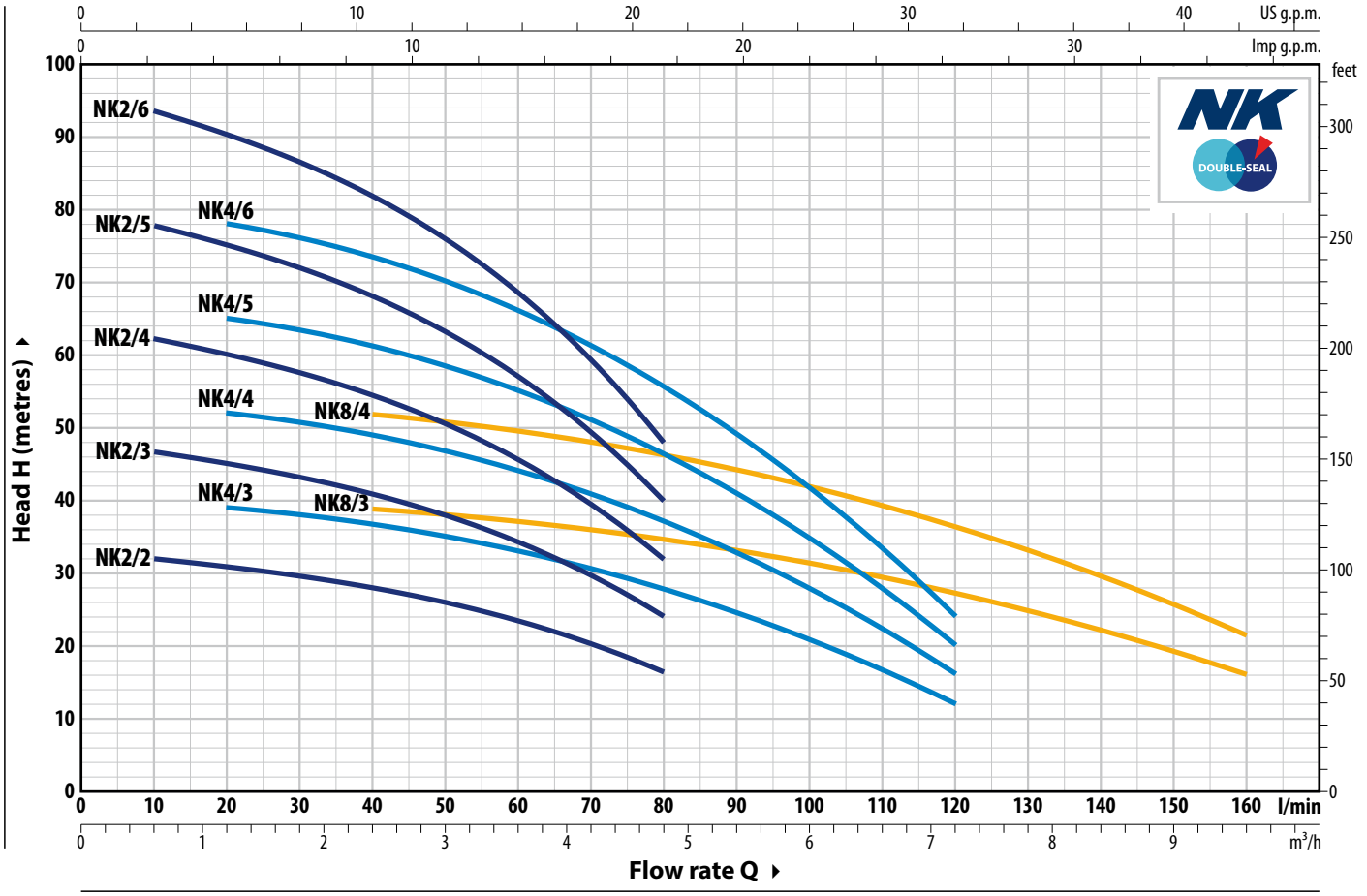
- Patent No. IT0001428923

**Vertical Installation**



## CURVES AND PERFORMANCE DATA

**50 Hz**




| TYPE | | POWER (P2) | | Q m³/h | 0 | 0.6 | 1.2 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 6.0 | 6.6 | 7.2 | 8.4 | 9.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **Three-phase** | **kW** | **HP** | l/min | **0** | **10** | **20** | **40** | **50** | **60** | **70** | **80** | **100** | **110** | **120** | **140** | **160** |
| **NKm 2/2 GE** | – | 0.37 | 0.5 | | 33 | 32 | 31 | 28 | 26 | 23.5 | 20.3 | 16.4 | | | | | |
| **NKm 2/3 GE** | **NK 2/3** | 0.55 | 0.75 | | 48.5 | 47 | 45 | 41 | 38 | 34.5 | 29.5 | 24 | | | | | |
| **NKm 2/4 GE** | **NK 2/4** | 0.75 | 1 | | 64.5 | 62.5 | 60.5 | 54.5 | 50.5 | 46 | 39.5 | 32 | | | | | |
| **NKm 2/5 GE** | **NK 2/5** | 1.1 | 1.5 | | 80 | 78 | 75 | 68.5 | 63.5 | 57 | 49.5 | 40 | | | | | |
| **NKm 2/6 GE** | **NK 2/6** | 1.5 | 2 | | 97 | 94 | 90 | 82 | 76 | 68.5 | 59.5 | 48 | | | | | |
| **NKm 4/3 GE** | **NK 4/3** | 0.55 | 0.75 | **H** metres | 40 | 39.5 | 39 | 36.5 | 35 | 33 | 30.5 | 28 | 20.8 | 16.6 | 12 | | |
| **NKm 4/4 GE** | **NK 4/4** | 0.75 | 1 | | 53 | 53 | 52 | 49 | 46.5 | 44 | 41 | 37 | 28 | 22.2 | 16 | | |
| **NKm 4/5 GE** | **NK 4/5** | 1.1 | 1.5 | | 67 | 66 | 65 | 61 | 58.5 | 55 | 51 | 46.5 | 34.5 | 27.5 | 20 | | |
| **NKm 4/6 GE** | **NK 4/6** | 1.5 | 2 | | 80 | 79 | 78 | 73 | 70 | 66 | 61 | 55.5 | 41.5 | 33.5 | 24 | | |
| **NKm 8/3 GE** | **NK 8/3** | 1.1 | 1.5 | | 40.5 | 40.5 | 40 | 39 | 38 | 37.5 | 36 | 35 | 31.5 | 29.5 | 27.5 | 22.3 | 16.2 |
| **NKm 8/4 GE** | **NK 8/4** | 1.5 | 2 | | 54 | 54 | 53.5 | 52 | 51 | 49.5 | 48 | 46.5 | 42 | 39.5 | 36.5 | 29.5 | 21.6 |

**Q** = Flow rate **H** = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

➠ **On request single-phase pumps without float switch**

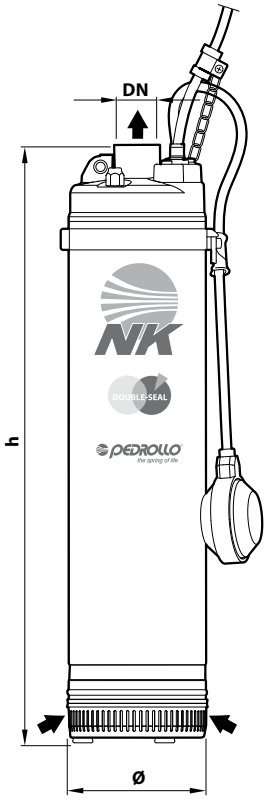
## ABSORPTION

| TYPE | VOLTAGE |
|---|---|
| **Single-phase** | **230 V** |
| **NKm 2/2 GE** | 4.3 A |
| **NKm 2/3 GE** | 5.5 A |
| **NKm 2/4 GE** | 6.2 A |
| **NKm 2/5 GE** | 7.6 A |
| **NKm2/6 GE** | 9.2 A |
| **NKm 4/3 GE** | 5.0 A |
| **NKm 4/4 GE** | 6.2 A |
| **NKm 4/5 GE** | 7.5 A |
| **NKm 4/6 GE** | 8.7 A |
| **NKm 8/3 GE** | 7.1 A |
| **NKm 8/4 GE** | 9.2 A |

| TYPE | VOLTAGE |
|---|---|
| **Three-phase** | **400 V** |
| **NK 2/3** | 1.9 A |
| **NK 2/4** | 2.3 A |
| **NK 2/5** | 3.0 A |
| **NK 2/6** | 3.4 A |
| **NK 4/3** | 1.8 A |
| **NK 4/4** | 2.2 A |
| **NK 4/5** | 2.8 A |
| **NK 4/6** | 3.2 A |
| **NK 8/3** | 2.9 A |
| **NK 8/4** | 3.4 A |

## DIMENSIONS AND WEIGHT

| TYPE | | PORT | DIMENSIONS mm | | kg | |
|---|---|---|---|---|---|---|
| **Single-phase** | **Three-phase** | **DN** | Ø | h | 1~ | 3~ |
| **NKm 2/2 GE** | – | | | 459 | 13.1 | 13.1 |
| **NKm 2/3 GE** | **NK 2/3** | | | 486 | 13.6 | 13.6 |
| **NKm 2/4 GE** | **NK 2/4** | | | 543 | 15.2 | 14.4 |
| **NKm 2/5 GE** | **NK 2/5** | | | 570 | 16.6 | 15.4 |
| **NKm 2/6 GE** | **NK 2/6** | | | 617 | 18.6 | 17.3 |
| **NKm 4/3 GE** | **NK 4/3** | **1¼"** | **135** | 486 | 13.7 | 13.5 |
| **NKm 4/4 GE** | **NK 4/4** | | | 543 | 15.2 | 14.1 |
| **NKm 4/5 GE** | **NK 4/5** | | | 570 | 16.7 | 15.5 |
| **NKm 4/6 GE** | **NK 4/6** | | | 617 | 18.0 | 17.8 |
| **NKm 8/3 GE** | **NK 8/3** | | | 516 | 15.5 | 14.4 |
| **NKm 8/4 GE** | **NK 8/4** | | | 563 | 17.5 | 16.3 |




## PALLET CAPACITY

| TYPE | | NO. OF PUMPS |
|---|---|---|
| **Single-phase** | **Three-phase** | |
| **NKm 2/2 GE** | – | 30 |
| **NKm 2/3 GE** | **NK 2/3** | 30 |
| **NKm 2/4 GE** | **NK 2/4** | 25 |
| **NKm 2/5 GE** | **NK 2/5** | 25 |
| **NKm 2/6 GE** | **NK 2/6** | 25 |
| **NKm 4/3 GE** | **NK 4/3** | 30 |
| **NKm 4/4 GE** | **NK 4/4** | 25 |
| **NKm 4/5 GE** | **NK 4/5** | 25 |
| **NKm 4/6 GE** | **NK 4/6** | 25 |
| **NKm 8/3 GE** | **NK 8/3** | 30 |
| **NKm 8/4 GE** | **NK 8/4** | 25 |

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Outer sleeve** | **AISI 304** stainless steel, fitted with ISO 228/1 threaded delivery port |
| 2 | **Suction filter** | **AISI 304** stainless steel, complete with anti-vibration feet |
| 3 | **Motor sleeve** | Stainless steel **AISI 304** |
| 4 | **Impellers and diffusers** | Noryl™ |
| 5 | **Diaphragms** | Stainless steel **AISI 304** |
| 6 | **Motor shaft** | Stainless steel **AISI 431** |

**7 Double mechanical seal with interposed oil chamber**

| Seal | Shaft | Location | Materials |
|---|---|---|---|
| **STA-17** | Ø 17 mm | Motor side | Ceramic / Graphite / NBR |
| **ST1-16** | Ø 16 mm | Pump side | Silicon carbide / Graphite / NBR |

**8 Capacitor**

**9 Electric motor**

**NKm**: single-phase 230 V - 50 Hz with winding integrated thermal motor protection
**NK**: three-phase 400 V - 50 Hz
- Continuous running duty S1
- Insulation: Class F
- Protection rating IP X8

**10 Power cord**

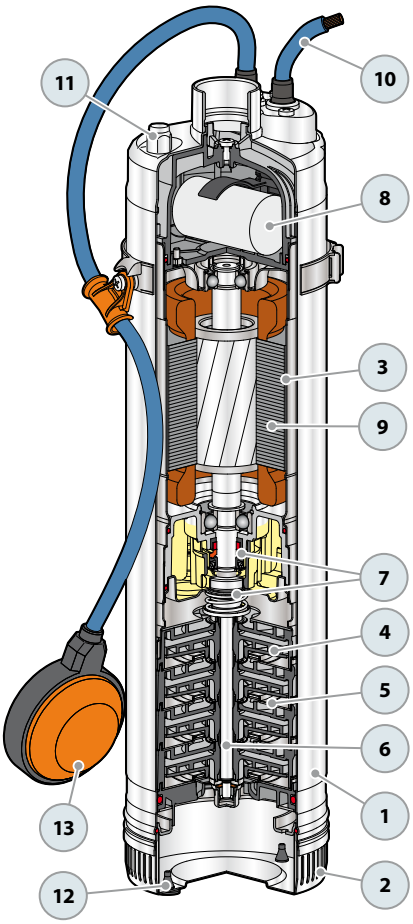
➠ **DRINCABLE®** type
approved for use in drinking water by **WRAS**
according to BS 6920, approval no. 7513

※ Standard length 10 metres

**11 Automatic vent valve**

**12 Anti-vibration feet**

**13 Float switch**
(exclusive to single-phase models)



# TOP Submersible pumps for DRAINAGE

Clear waters

Domestic use

## ※ TOP

### Drainage pumps: reliable and durable




### PERFORMANCE RANGE

- Flow rate up to **360 l/min** (21.6 m³/h)
- Head up to **15.5 m**

### INSTALLATION AND USE

The **TOP** series is excellent for draining **clear water** without abrasive particles. Construction features ensure user-friendly and safe operation, including motor cooling and a double shaft seal. Recommended for emergency drainage of small, flooded areas (rooms, basements, garages), disposing of household water (dishwashers, washing machines), and emptying sumps.

### APPLICATION LIMITS

- Liquid temperature up to +**40 °C** and up to **+90 °C** for short bursts (up to 3 minutes max) for intermittent service
- Capable of processing suspended solids up to **Ø 10 mm**
- Draining capability:
  - up to **14 mm** from the bottom for TOP 1-2-3
  - up to **30 mm** from the bottom for TOP 4-5
- Maximum operating depth below water level:
  - up to **3 m** for TOP 1-2-3
  - up to **5 m** for TOP 4-5

  (with an appropriately sized power cable)

### PATENTS - TRADE MARKS - MODELS

- Patent No. IT0001428923
- Registered Community Model No. 342159-0011

### INCLUDES

※ **5 m** power cable
※ Float switch

### AVAILABLE UPON REQUEST

※ Mechanical seal options available
※ Different voltage requirements 60 Hz frequency
※ Power cable length **10 m**
※ **TOP-GM** " pumps with magnetic float operation (suitable for small sumps)

※ **TOP-LA"** special pumps with all metal components in contact with the pumped liquid in AISI 316 stainless steel



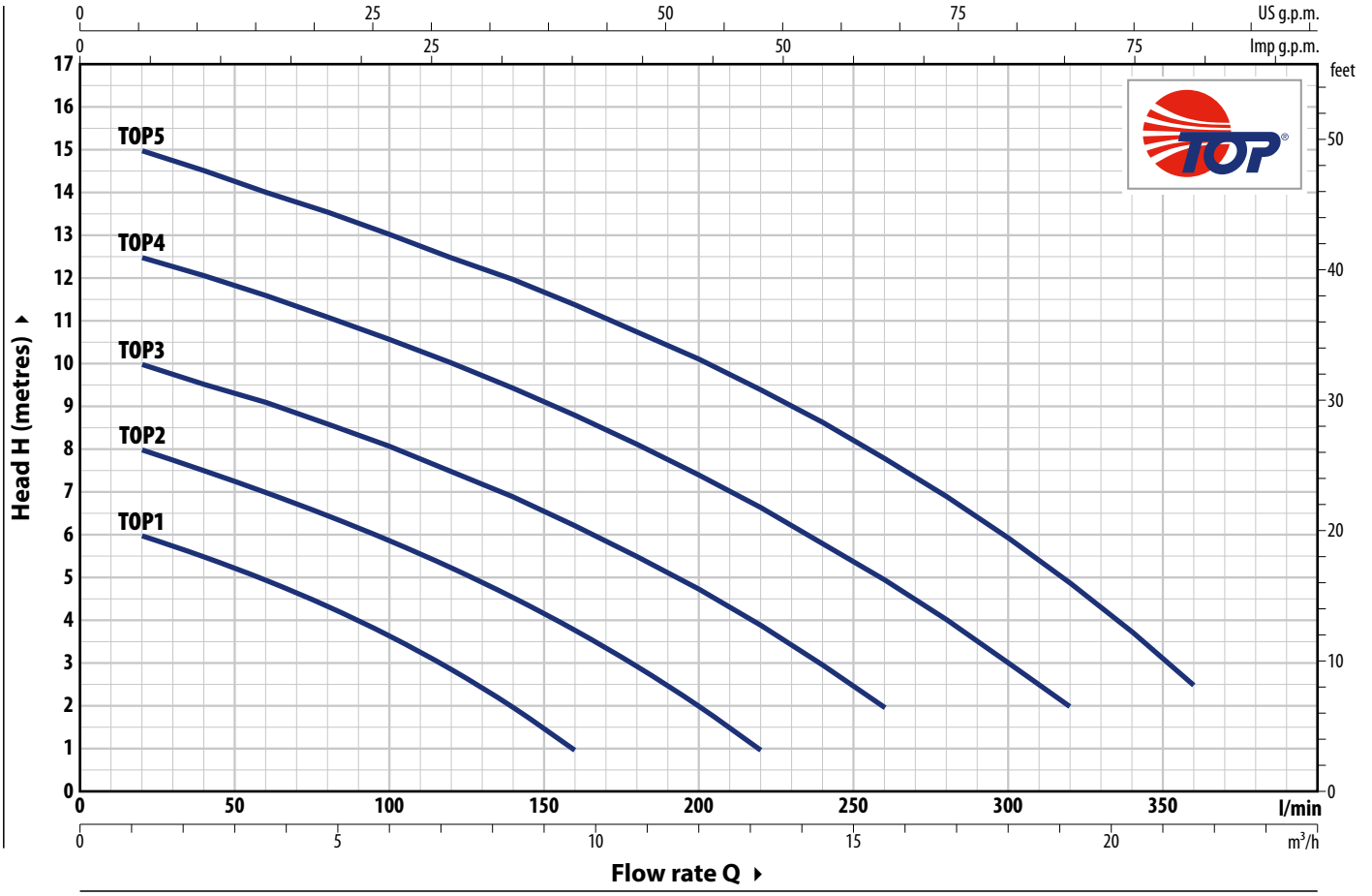

※ **TOP LA**




※ **TOP GM**

## CURVES AND PERFORMANCE DATA

**50 Hz**




| TYPE | POWER (P2) | | Q m³/h | 0 | 1.2 | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 | 15.6 | 18.0 | 19.2 | 21.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **kW** | **HP** | l/min | **0** | **20** | **40** | **60** | **80** | **100** | **120** | **140** | **160** | **180** | **200** | **220** | **240** | **260** | **300** | **320** | **360** |
| **TOP 1** | 0.25 | 0.33 | | 6.5 | 6 | 5.5 | 5 | 4.4 | 3.7 | 3 | 2 | 1 | | | | | | | | |
| **TOP 2** | 0.37 | 0.50 | | 8.5 | 8 | 7.5 | 7 | 6.5 | 6 | 5.3 | 4.6 | 3.8 | 3 | 2 | 1 | | | | | |
| **TOP 3** | 0.55 | 0.75 | **H** metres | 10.4 | 10 | 9.6 | 9 | 8.6 | 8 | 7.5 | 7 | 6.3 | 5.5 | 4.8 | 4 | 3 | 2 | | | |
| **TOP 4** | 0.75 | 1 | | 13 | 12.5 | 12 | 11.6 | 11 | 10.6 | 10 | 9.5 | 8.8 | 8.2 | 7.4 | 6.7 | 6 | 5 | 3 | 2 | |
| **TOP 5** | 0.92 | 1.25 | | 15.5 | 15 | 14.5 | 14 | 13.6 | 13 | 12.6 | 12 | 11.4 | 10.8 | 10 | 9.4 | 8.7 | 7.8 | 6 | 5 | 2.5 |

**Q** = Flow rate **H** = Total manometric head

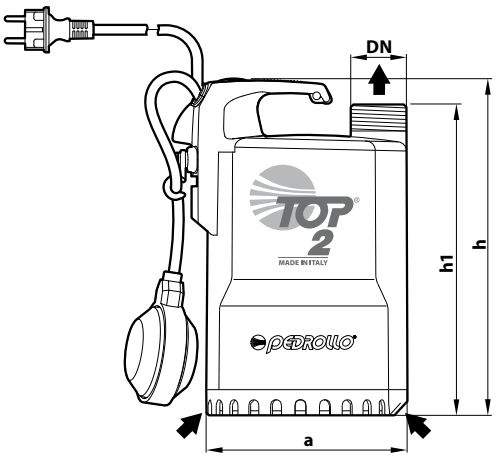
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## ABSORPTION

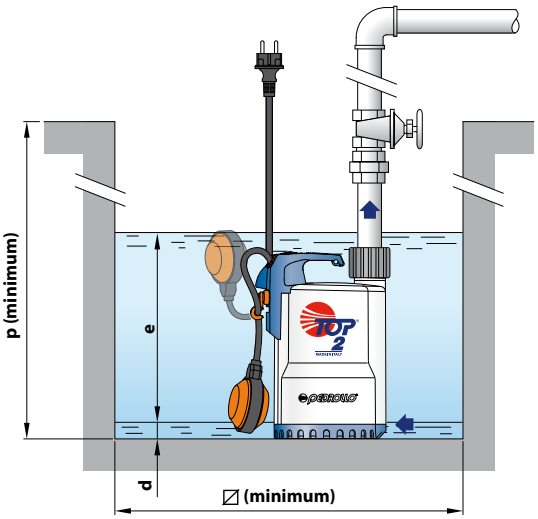
| TYPE<br>**Single-phase** | VOLTAGE<br>**230 V** |
|---|---|
| **TOP 1** | 1.5 A |
| **TOP 2** | 2.0 A |
| **TOP 3** | 3.2 A |
| **TOP 4** | 4.5 A |
| **TOP 5** | 5.5 A |

※ **TOP-LA** and **TOP-GM** pumps have the same performance

## DIMENSIONS AND WEIGHT



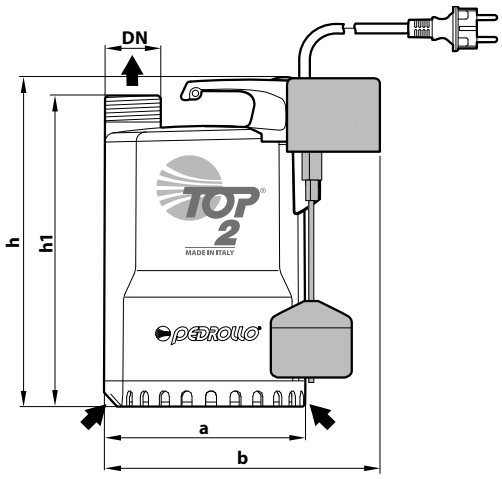

**Typical installation**



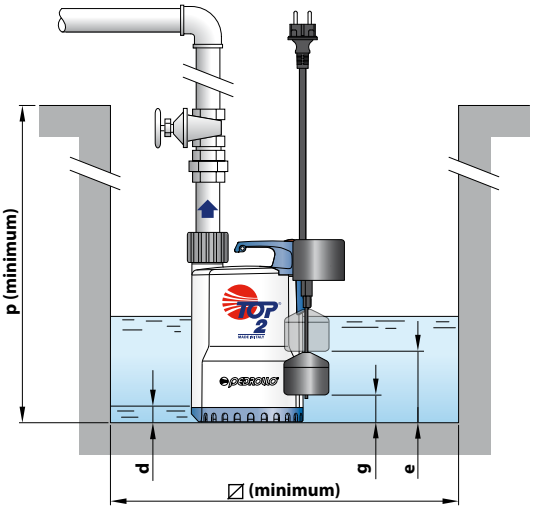

| TYPE | PORT | DIMENSIONS mm | | | | | | | kg |
|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **DN** | a | h | h1 | d | e | p | ⍁ | |
| **TOP 1** | **1¼"** | 152 | 260 | 240 | 14 | adjustable | 350 | 350 | 5.4 |
| **TOP 2** | | | | | | | | | 5.4 |
| **TOP 3** | | | 290 | 270 | | | | | 6.7 |
| **TOP 4** | **1½"** | 204 | 337 | 313 | 30 | | 450 | 450 | 10.3 |
| **TOP 5** | | | | | | | | | 11.3 |

※ **TOP-LA** pumps have the same dimensions

**※ Version with 'GM' magnetic float switch**




**Typical installation**




| TYPE | PORT | DIMENSIONS mm | | | | | | | | | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | DN | a | b | h | h1 | d | e | g (adjustable) | p | ⍁ | |
| **TOP 1 - GM** | **1¼"** | 152 | 200 | 260 | 240 | 14 | 140 | 35 | 350 | 220 | 5.4 |
| **TOP 2 - GM** | | | | | | | | | | | 5.4 |
| **TOP 3 - GM** | | | | 290 | 270 | | 170 | 40 | | | 6.9 |
| **TOP 4 - GM** | **1½"** | 204 | - | 337 | 313 | 30 | 220 | 65 | 450 | 300 | 10.5 |
| **TOP 5 - GM** | | | | | | | | | | | 11.4 |

## PALLET CAPACITY

| TYPE **Single-phase** | NO. OF PUMPS |
|---|---|
| **TOP 1** | 80 |
| **TOP 2** | 80 |
| **TOP 3** | 80 |
| **TOP 4** | 45 |
| **TOP 5** | 45 |

| TYPE **Single-phase** | NO. OF PUMPS |
|---|---|
| **TOP 1- GM** | 80 |
| **TOP 2 - GM** | 80 |
| **TOP 3 - GM** | 80 |
| **TOP 4 - GM** | 45 |
| **TOP 5 - GM** | 45 |

# TOP 1-2-3

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Pump body** | Technopolymer |
| 2 | **Suction filter** | Technopolymer |
| 3 | **Suction cover** | Stainless steel **AISI 304** (for TOP-LA versions **AISI 316L**) |
| 4 | **Diffuser** | Technopolymer |
| 5 | **Impeller** | Noryl™ |
| 6 | **Motor sleeve** | Stainless steel **AISI 304** (for TOP-LA versions **AISI 316L**) |
| 7 | **Motor cover** | **AISI 304** stainless steel |
| 8 | **Motor shaft** | Stainless steel **AISI 431** (for TOP-LA versions **AISI 316L**) |

**9 Mechanical seal**

| Water pump | Seal | Shaft | Materials |
|---|---|---|---|
| TOP 1-2-3 | **STA-12R** | Ø 12 mm | Ceramic / Graphite / NBR |
| TOP 2-3 LA | **AR-12R LA** | Ø 12 mm | Ceramic / Graphite / NBR |

**10 Sealing ring** Ø 12 x Ø 19 x H 5 mm

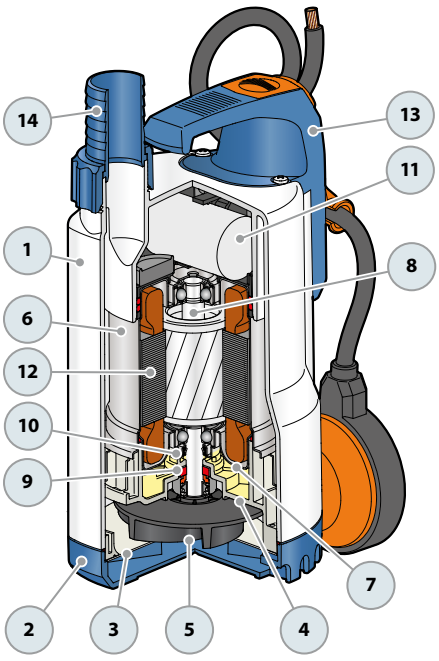
**11 Capacitor**

**12 Electric motor**
**TOP**: single-phase 230 V - 50 Hz with winding integrated thermal motor protection
- Continuous duty S1 - Insulation: class F
- Protection rating IP X8

**13 Handle group**
Complete with
– 5 m power cable type 'H07 RN-F' with Schuko plug
– Float switch (vertical operation in GM versions)

**14 Ferrule and hose nozzle**
Hose connector Ø 25 mm for TOP 1
Ø 35 mm for TOP 2-3






# TOP 4-5

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Pump body** | Technopolymer |
| 2 | **Suction filter** | Technopolymer |
| 3 | **Suction cover** | Stainless steel **AISI 304** |
| 4 | **Diffuser** | Technopolymer |
| 5 | **Impeller** | Noryl™ |
| 6 | **Motor sleeve** | Stainless steel **AISI 304** |
| 7 | **Motor cover** | Stainless steel **AISI 304** |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |

**9 Double mechanical seal** with interposed oil chamber

| Seal | Shaft | Location | Materials |
|---|---|---|---|
| **MG1-14D SIC** | Ø 14 mm | Motor side | SiC / Graphite / NBR |
| | | Pump side | SiC / SiC / NBR |

**10 Capacitor**

**11 Electric motor**
**TOP**: single-phase 230 V - 50 Hz with winding integrated thermal motor protection
- Continuous duty S1 - Insulation: class F
- Protection rating IP X8

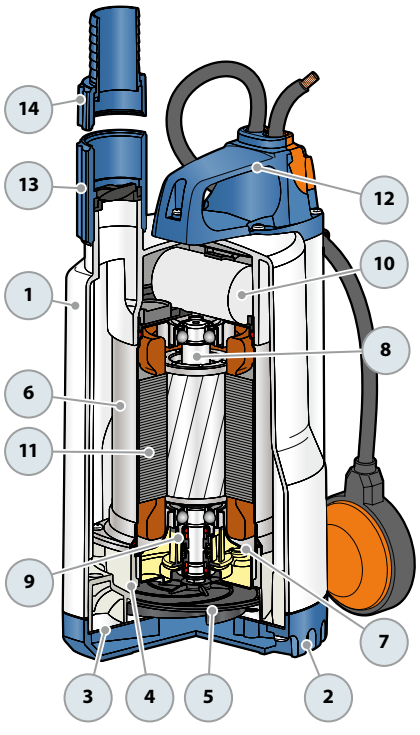
**12 Handle group**
Including:
– 5 m power cable type 'H07 RN-F' with Schuko plug
– Float switch (vertical operation in GM versions)

**13 Sleeve**
Threaded technopolymer 1½" with clapet valve



**14 Ferrule and hose nozzle**
Hose connector Ø 41 mm





# TOP-FLOOR Submersible pumps for DRAINAGE

Clear waters

Domestic use

## ※ TOP-FLOOR

**Designed to remove water from flooded rooms up to 2 mm from the floor**




### PERFORMANCE RANGE

- Flow rate up to **170 l/min** (10.2 m³/h)
- Head up to **10.4 m**

### INSTALLATION AND USE

**Clear water TOP-FLOOR** series drainage pumps are capable of removing water up to **2 millimeters** from the floor, these pumps are ideal for emergency household use in small, flooded areas and any situation where maximum drainage is needed.

### APPLICATION LIMITS

- Maximum operating depth below water level up to **3 m** (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C** and up to **+90 °C** for short bursts (up to 3 minutes max) for intermittent service
- Capable of processing suspended solids up to **Ø 2 mm**
- Draining capability up to **2 mm** from the bottom

### INCLUDES

※ **5 m** long power cable

### AVAILABLE UPON REQUEST

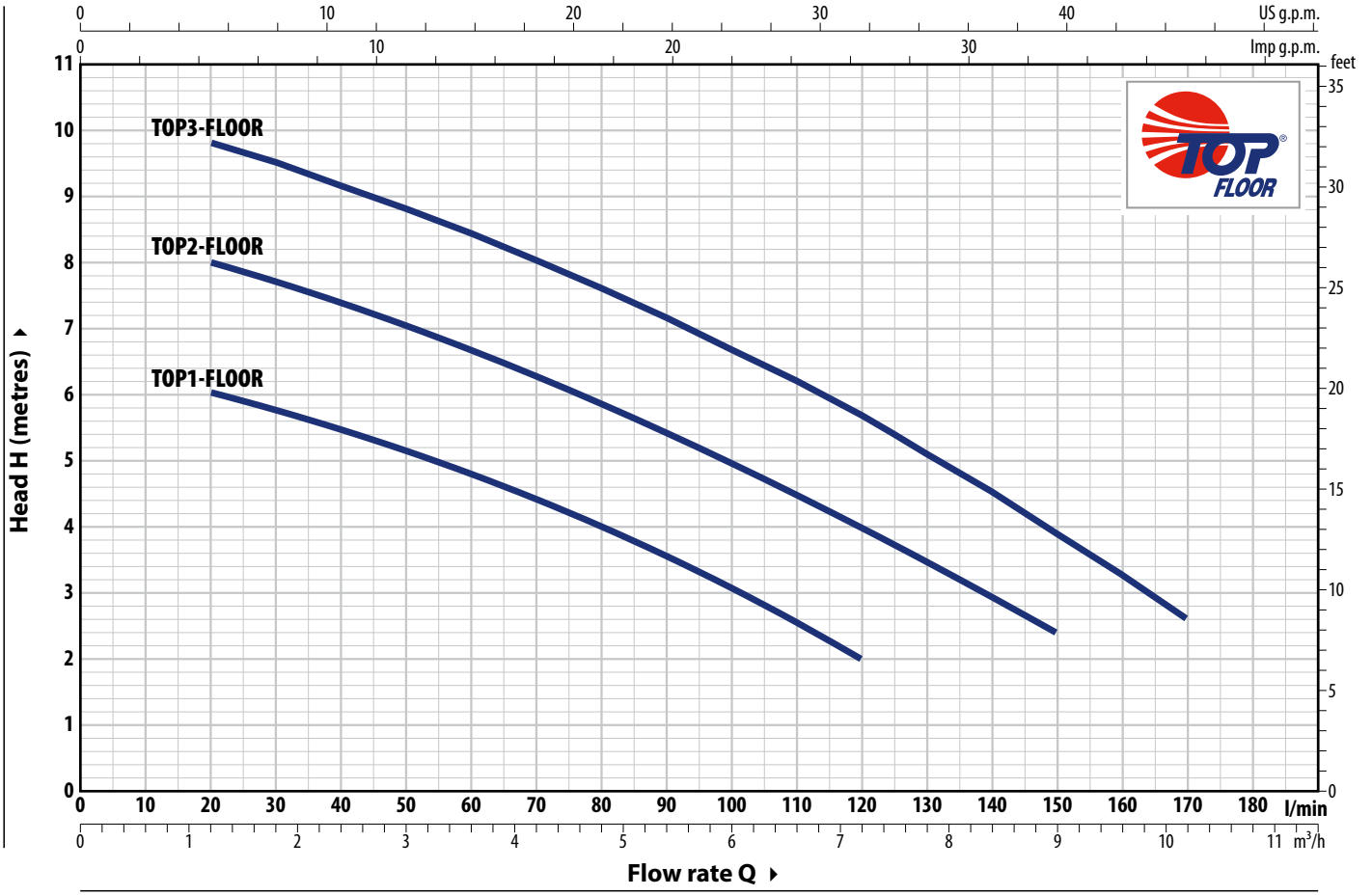
※ Pumps with float switch
※ Mechanical seal options available
※ Pumps with **10 m** power cable.
※ Different voltage requirements 60 Hz frequency

### PATENTS - TRADE MARKS - MODELS

- Registered Community Model No. 342159-0011

## CURVES AND PERFORMANCE DATA

**50 Hz**




| TYPE | POWER (P2) | | Q | m³/h | 0 | 1.2 | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 | 7.8 | 9.0 | 10.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **kW** | **HP** | | l/min | **0** | **20** | **40** | **60** | **80** | **100** | **120** | **130** | **150** | **170** |
| **TOP 1-FLOOR** | 0.25 | 0.33 | | | 6.5 | 6 | 5.5 | 4.8 | 4 | 3 | 2 | | | |
| **TOP 2-FLOOR** | 0.37 | 0.50 | **H** | metres | 8.5 | 8 | 7.4 | 6.7 | 6 | 5 | 4 | 3.5 | 2.4 | |
| **TOP 3-FLOOR** | 0.55 | 0.75 | | | 10.4 | 9.8 | 9.2 | 8.4 | 7.6 | 6.7 | 5.7 | 5 | 4 | 2.6 |

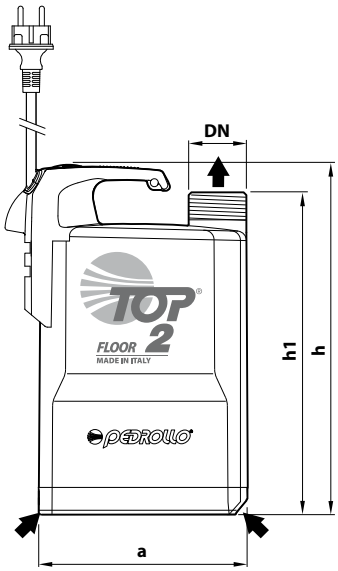
**Q** = Flow rate **H** = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## ABSORPTION

| TYPE | VOLTAGE |
|---|---|
| **Single-phase** | **230 V** |
| **TOP 1-FLOOR** | 1.5 A |
| **TOP 2-FLOOR** | 2.0 A |
| **TOP 3-FLOOR** | 3.1 A |

## DIMENSIONS AND WEIGHT




**Typical installation**




| TYPE<br>**Single-phase** | PORT<br>**DN** | DIMENSIONS mm<br>a | h | h1 | Minimum drainage level | kg |
|---|---|---|---|---|---|---|
| **TOP 1-FLOOR** | **1¼"** | 152 | 257 | 237 | **2 mm** | 5.2 |
| **TOP 2 -FLOOR** | | | | | | 5.2 |
| **TOP 3 -FLOOR** | | | 287 | 268 | | 6.6 |

## PALLET CAPACITY

| TYPE<br>**Single-phase** | NO. OF PUMPS |
|---|---|
| **TOP 1-FLOOR** | 96 |
| **TOP 2-FLOOR** | 96 |
| **TOP 3-FLOOR** | 96 |

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Pump body** | Technopolymer |
| 2 | **Suction filter** | Technopolymer |
| 3 | **Suction cover** | Stainless steel **AISI 304** |
| 4 | **Diffuser** | Technopolymer |
| 5 | **Impeller** | Noryl™ |
| 6 | **Motor sleeve** | Stainless steel **AISI 304** |
| 7 | **Motor cover** | Stainless steel **AISI 304** |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |

**9 Double shaft seal with interposed oil chamber**

| Seal | Shaft | Materials |
|---|---|---|
| **STA-12R** | Ø 12 mm | Ceramic / Graphite / NBR |

**Sealing ring** Ø 12 x Ø 19 x H 5 mm

**10 Capacitor**

**11 Electric motor**

**TOP-FLOOR**: single-phase 230 V - 50 Hz with winding integrated thermal motor protection

- Continuous running duty S1
- Insulation: Class F
- Protection rating IP X8

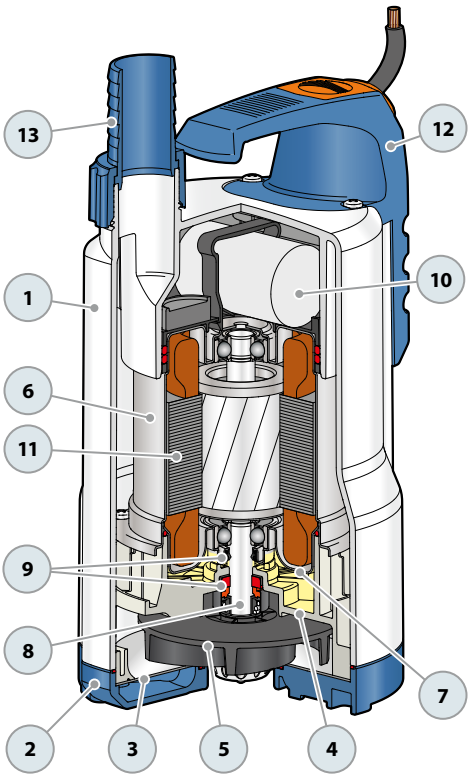
**12 Handle group**

※ Complete with 5 metres long power cable type 'H07 RN-F' with Schuko plug

**13 Ferrule and hose nozzle**



Hose connector Ø 25 mm for TOP1-FLOOR
Ø 35 mm for TOP2-FLOOR, TOP3-FLOOR



# TOP-VORTEX

## Submersible pumps for DRAINAGE

Dirty water

Domestic use

※ **TOP-VORTEX**

**Drainage pumps: reliable and durable**




### PERFORMANCE RANGE

- Flow rate up to **170 l/min** (10.2 m³/h)
- Head up to **8.7 m**

### INSTALLATION AND USE

**TOP-VORTEX** pumps are suitable for draining clear water without abrasive particles that will not damage the pump's components. Construction features ensure user-friendly and safe operation, including motor cooling and a double shaft seal.

These pumps are particularly well-suited for domestic applications, including draining dirty water, emptying tanks, managing domestic drains, and clearing sumps, even in the presence of suspended solids of up to 25 mm in diameter.

### APPLICATION LIMITS

- Maximum operating depth below water level up to **3 m** (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C** and up to **+90 °C** for short bursts (up to 3 minutes max) for intermittent service
- Capable of processing suspended solids up to **Ø 25 mm**
- Draining capability up to **25 mm** from the bottom

### INCLUDES

※ **5 m** power cable
※ Float switch

### PATENTS - TRADE MARKS - MODELS

- Patent No. IT0001428923
- Registered Community Model No. 342159-0011

### AVAILABLE UPON REQUEST

※ Mechanical seal options available
※ Pumps with **10 m** power cable
※ Different voltage requirements 60 Hz frequency

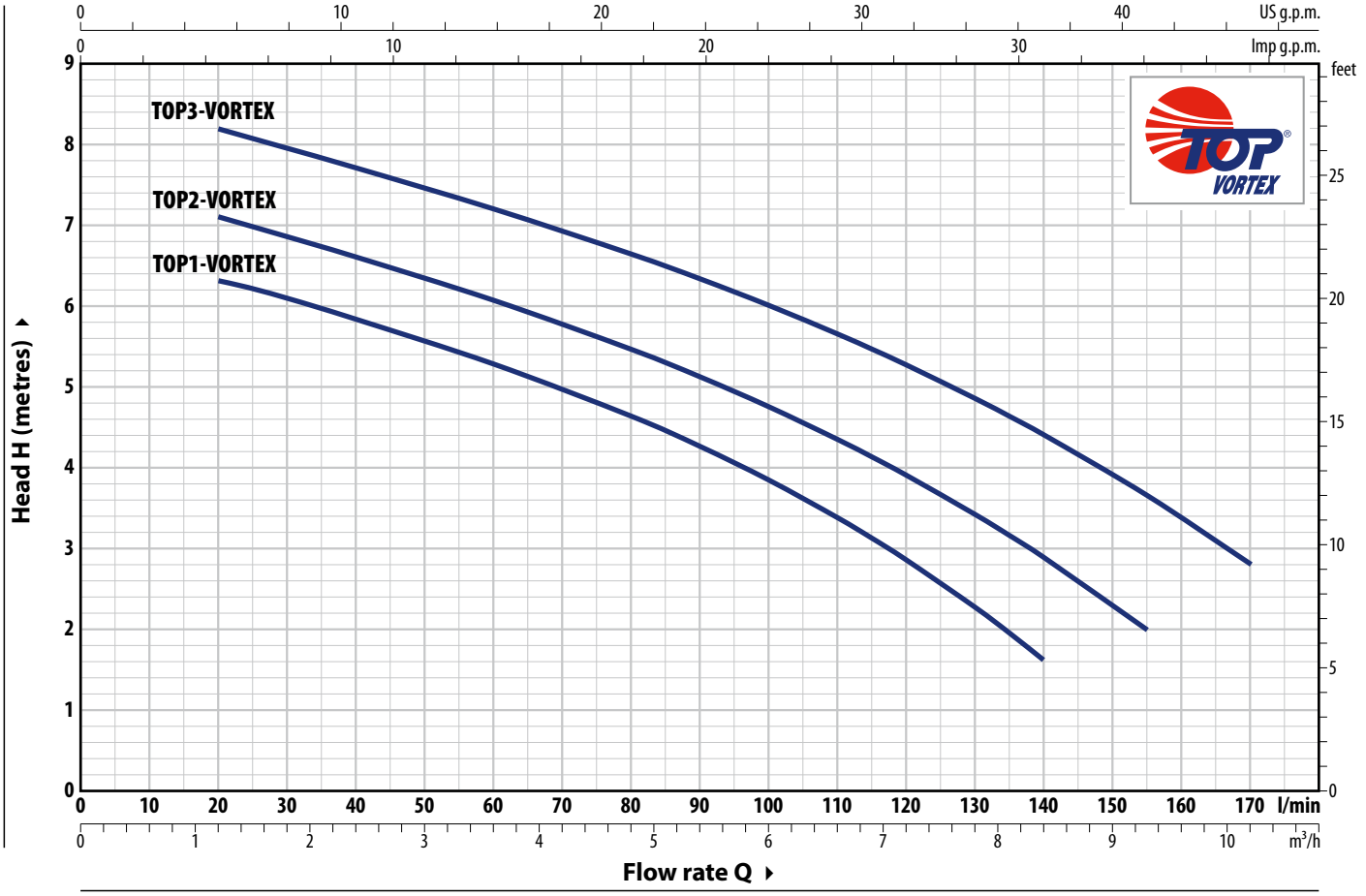
※ **TOP-VORTEX/GM** " pumps with magnetic float operation (suitable for small sumps)



※ **TOP-VORTEX/GM**

## CURVES AND PERFORMANCE DATA

**50 Hz**




| TYPE | POWER (P2) | | Q | m³/h | 0 | 1.2 | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.3 | 10.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single-phase | kW | HP | | l/min | **0** | **20** | **40** | **60** | **80** | **100** | **120** | **140** | **155** | **170** |
| **TOP 1 - VORTEX** | 0.25 | 0.33 | **H** metres | | 7 | 6.3 | 5.8 | 5.3 | 4.6 | 3.8 | 2.8 | 1.6 | | |
| **TOP 2 - VORTEX** | 0.37 | 0.50 | | | 7.6 | 7 | 6.6 | 6 | 5.5 | 4.8 | 4 | 3 | 2 | |
| **TOP 3 - VORTEX** | 0.55 | 0.75 | | | 8.7 | 8.2 | 7.7 | 7.2 | 6.7 | 6 | 5.3 | 4.4 | 3.7 | 2.8 |

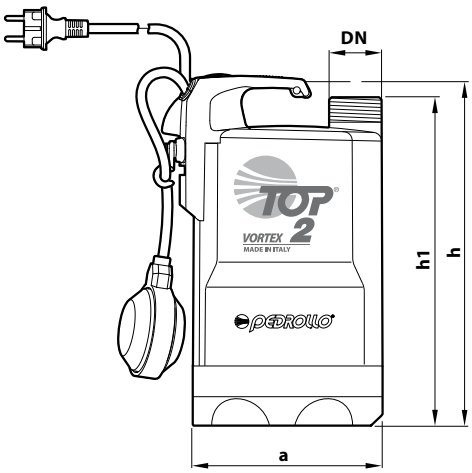
**Q** = Flow rate **H** = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

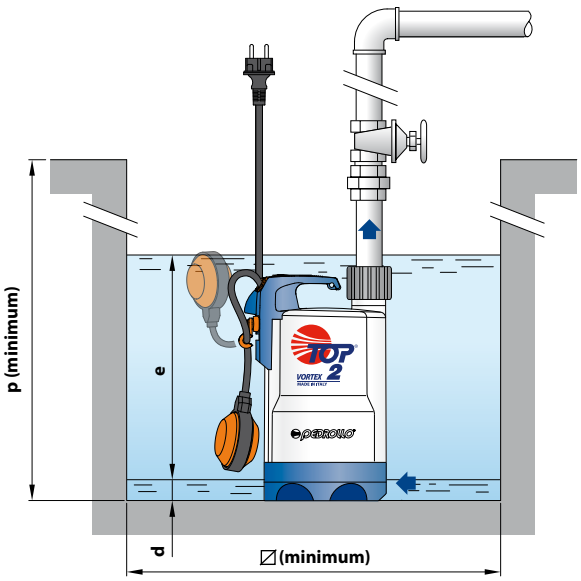
## ABSORPTION

| TYPE<br>Single-phase | VOLTAGE<br>**230 V** |
|---|---|
| **TOP 1 - VORTEX** | 1.5 A |
| **TOP 2 - VORTEX** | 2.0 A |
| **TOP 3 - VORTEX** | 2.9 A |

## DIMENSIONS AND WEIGHT

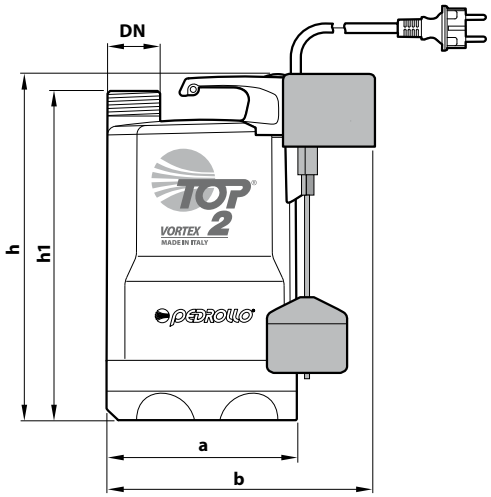



**Typical installation**

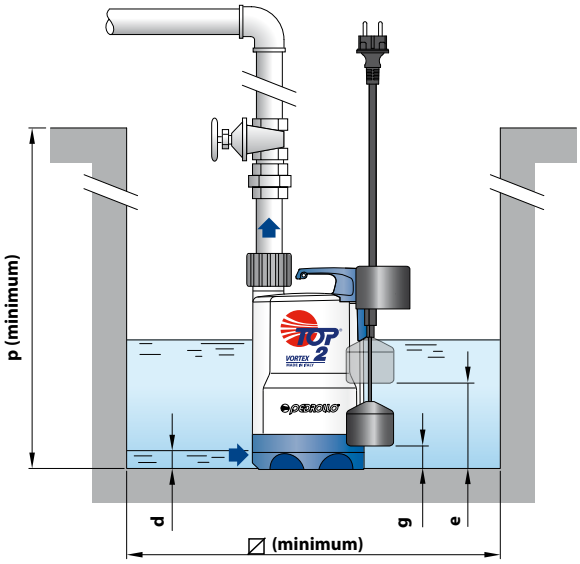



| TYPE | PORT | DIMENSIONS mm | | | | | | | kg |
|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **DN** | a | h | h1 | d | e | p | ⍁ | |
| **TOP 1 - VORTEX** | **1¼"** | 152 | 288 | 268 | 25 | adjustable | 350 | 350 | 5.4 |
| **TOP 2 - VORTEX** | | | | | | | | | 5.4 |
| **TOP 3 - VORTEX** | | | 318 | 298 | | | | | 6.8 |

**※ Version with 'GM' magnetic float switch**




**Typical installation**




| TYPE | PORT | DIMENSIONS mm | | | | | | | | | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **DN** | a | b | h | h1 | d | e | g (adjustable) | p | ⍁ | |
| **TOP 1 - VORTEX/GM** | **1¼"** | 152 | 200 | 288 | 268 | 25 | 170 | 40 | 350 | 220 | 5.5 |
| **TOP 2 - VORTEX/GM** | | | | | | | | | | | 5.5 |
| **TOP 3 - VORTEX/GM** | | | | 318 | 298 | | 200 | 65 | | | 6.9 |

## PALLET CAPACITY

| TYPE | NO. OF PUMPS |
|---|---|
| **Single-phase** | |
| **TOP 1 - VORTEX** | 96 |
| **TOP 2 - VORTEX** | 96 |
| **TOP 3 - VORTEX** | 96 |

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Pump body** | Technopolymer |
| 2 | **Suction filter** | Technopolymer |
| 3 | **Suction cover** | Technopolymer |
| 4 | **Diffuser** | Technopolymer |
| 5 | **Impeller** | VORTEX technopolymer type |
| 6 | **Motor sleeve** | Stainless steel **AISI 304** |
| 7 | **Motor cover** | Stainless steel **AISI 304** |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |

**9 Double shaft seal with interposed oil chamber**

| Seal | Shaft | Materials |
|---|---|---|
| **STA-12R** | Ø 12 mm | Ceramic / Graphite / NBR |

**Shaft seal** Ø 12 x Ø 19 x H 5 mm

**10 Capacitor**

**11 Electric motor**

**TOP-VORTEX**: single-phase 230 V - 50 Hz with winding integrated thermal motor protection
- Continuous running duty S1
- Insulation: Class F
- Protection rating IP X8

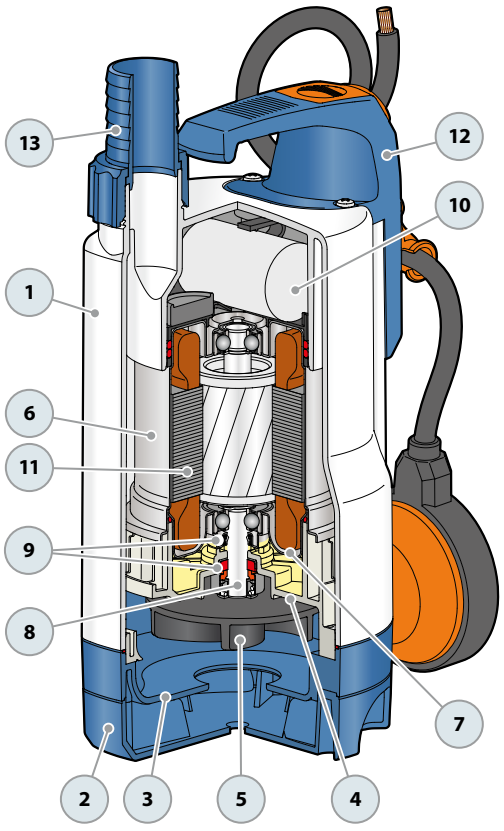
**12 Handle group**

Including:
– Float switch
(vertically operating float switch in GM versions)
– 5 metres power cable type 'H07 RN-F' with Schuko plug

**13 Ferrule and hose nozzle**

Hose connector Ø 35 mm





Dirty water

Domestic use

## ※ TEX: reliable water elimination with magnetic level switch




## ※ Innovative, patented design
## ※ Premium quality
## ※ Ideal for sumps with limited space
## ※ Robust and compact
## ※ Equipped with retractable handle
## ※ Exceptional performance

### PERFORMANCE RANGE

- Flow rate up to **240 l/min** (14.4 m³/h)
- Head up to **10 m**

### INSTALLATION AND USE

**TEX** electric sewage pumps offer a dependable solution for wastewater management. Primarily utilized in stationary setups to remove water from sumps, they are also suitable for portable applications, such as tanks, reservoirs, ditches, or during floods.

**TEX** pumps offer increased power and a larger clearance area, while the oversized motor prevents overheating even when operating without cover.

※ Key features include a spacious side drain for rapid water evacuation with minimal energy consumption.

※ Additionally, **TEX** pumps come equipped with a compact, integrated magnetic float switch that ensures complete electrical safety and enables usage in confined spaces, including sumps as small as **220 mm** on each side.

### APPLICATION LIMITS

- Maximum operating depth below water level up to **5 m** (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C** and up to **+90 °C** for short bursts (up to 3 minutes max) for intermittent service
- Capable of processing suspended solids up to **Ø 30 mm**
- Draining capability up to **35 mm** from the bottom

### INCLUDES

※ **5 m** power cable
※ An adjustable vertical magnetic float level switch
※ Hose connector **Ø 40 mm**

### AVAILABLE UPON REQUEST

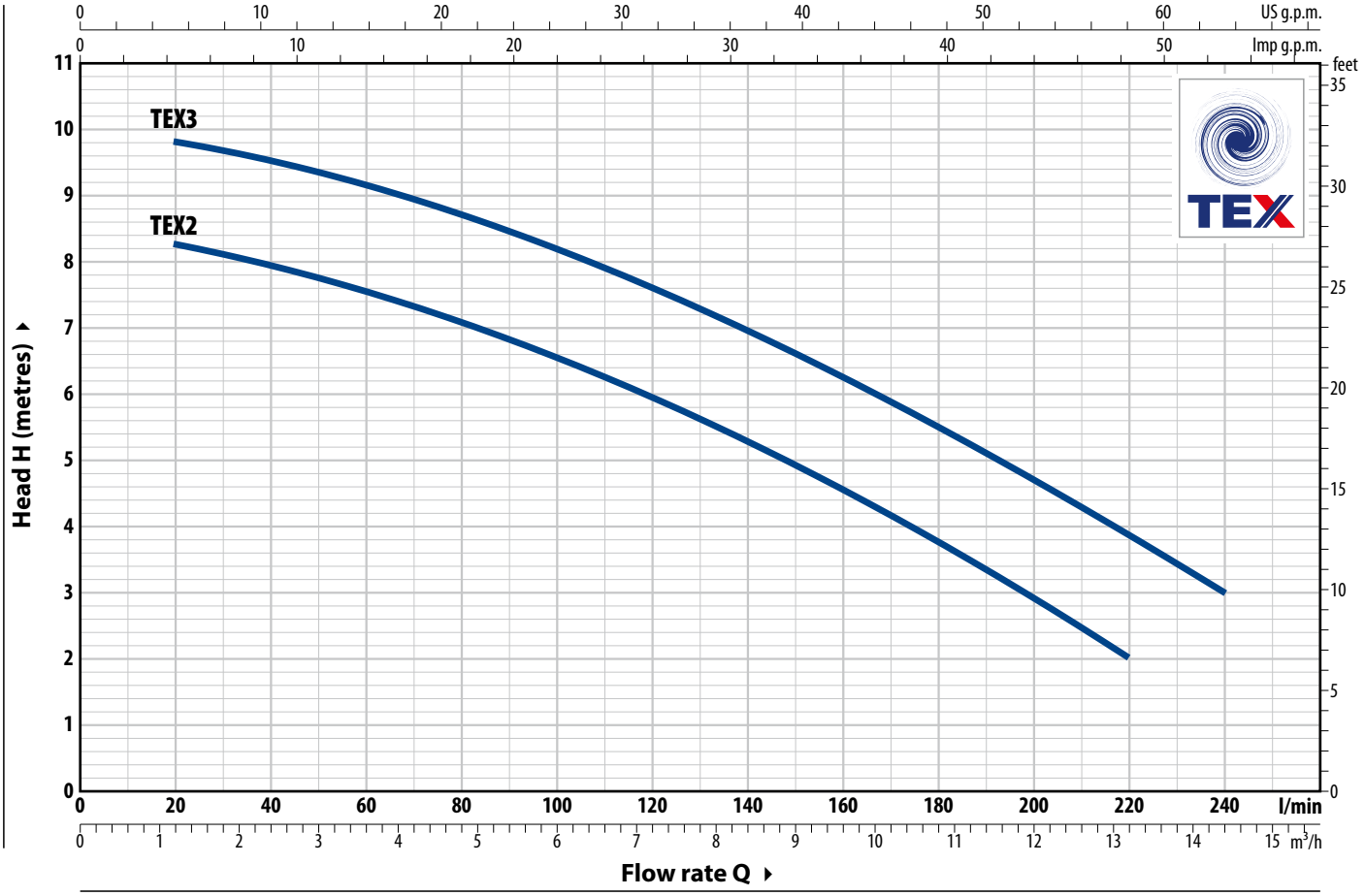
※ Mechanical seal options available
※ Pumps with **10 m** power cable.
※ Different voltage requirements 60 Hz frequency

### PATENTS - TRADE MARKS - MODELS

- Registered Community Model No. 005205556
- **TEX**®European registered trademark No. 017884160

## CURVES AND PERFORMANCE DATA

**50 Hz**




| TYPE | POWER (P2) | | Q | m³/h | 0 | 1.2 | 2.4 | 3.6 | 4.8 | 6 | 7.2 | 8.4 | 9.6 | 10.8 | 12 | 13.2 | 14.4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **kW** | **HP** | | l/min | **0** | **20** | **40** | **60** | **80** | **100** | **120** | **140** | **160** | **180** | **200** | **220** | **240** |
| **TEX 2** | 0.37 | 0.50 | **H** metres | | 8.5 | 8.3 | 8 | 7.6 | 7 | 6.6 | 6 | 5.3 | 4.6 | 3.8 | 3 | 2 | |
| **TEX 3** | 0.55 | 0.75 | | | 10 | 9.8 | 9.5 | 9.2 | 8.7 | 8.2 | 7.6 | 7 | 6.3 | 5.5 | 4.7 | 4 | 3 |

**Q** = Flow rate **H** = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## RETRACTABLE HANDLE



## ABSORPTION

| TYPE | VOLTAGE |
|---|---|
| **Single-ph.** | **230 V** |
| **TEX 2** | 2.3 A |
| **TEX 3** | 3.3 A |

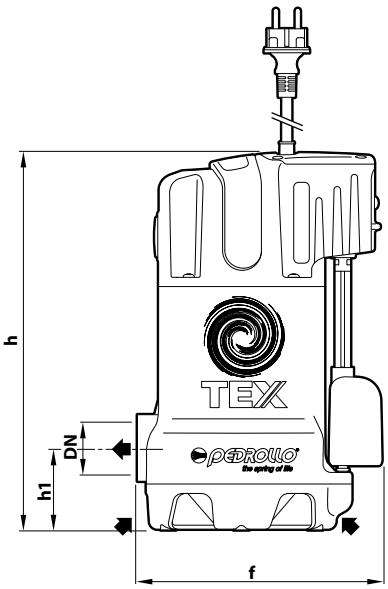
**SWITCH FOR AUTOMATIC MODE**

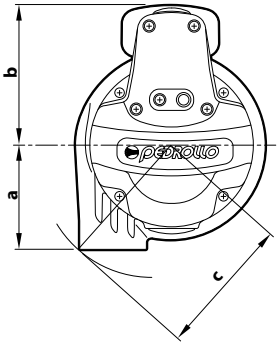


**SWITCH FOR MANUAL MODE**

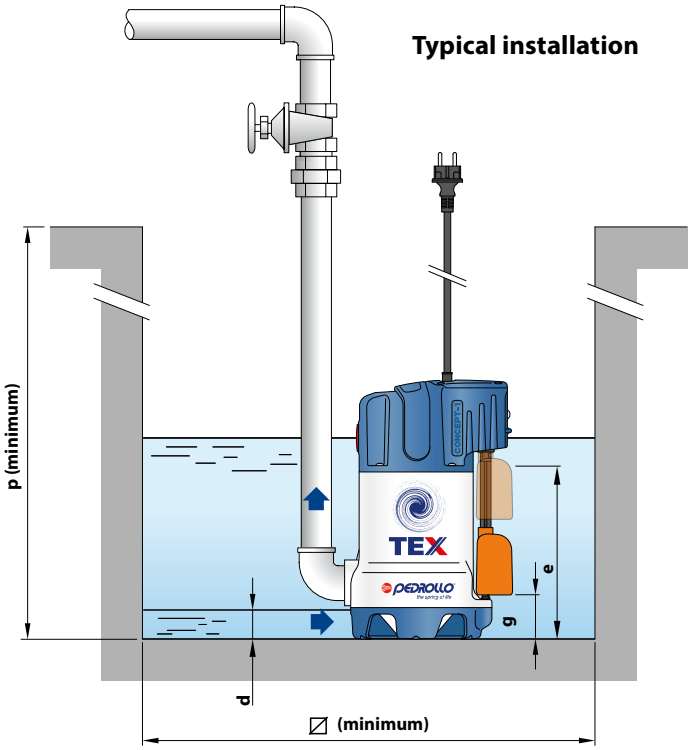


## DIMENSIONS AND WEIGHT

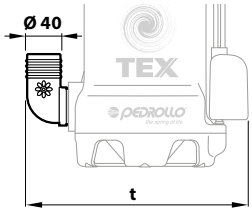



**Typical installation**




**Rubber holder fitting**




| TYPE<br>**Single-phase** | PORT<br>**DN** | Passage of solid bodies | DIMENSIONS mm | | | | | | | | | | | | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | a | b | c | f | h1 | h | d | e | g (adjustable) | t | p | ⍁ | 1~ |
| **TEX 2** | **1¼"** | **Ø 30 mm** | 88 | 117 | 118 | 205 | 69.5 | 318 | 35 | 100 | 80 or 100 | 251 | 350 | 220 | 6.1 |
| **TEX 3** | | | | | | | | | | | | | | | 7.0 |

## PALLET CAPACITY

| TYPE<br>**Single-phase** | NO. OF PUMPS |
|---|---|
| **TEX 2** | 60 |
| **TEX 3** | 60 |

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Handle** | Technopolymer |
| 2 | **Pump body** | Particularly impact-resistant technopolymer with ISO 228/1 threaded metal insert port |
| 3 | **Suction filter** | Technopolymer |
| 4 | **Suction cover** | Technopolymer |
| 5 | **Impeller** | VORTEX type made of technopolymer |
| 6 | **Motor sleeve** | Stainless steel **AISI 304** |
| 7 | **Motor cover** | Stainless steel **AISI 304** |
| 8 | **Motor shaft** | Stainless steel **AISI 431** |

**9 Double shaft seal with interposed oil chamber**

| Seal | Shaft | Materials |
|---|---|---|
| **STA-12R** | Ø 12 mm | Ceramic / Graphite / NBR |

**Shaft seal** Ø 12 x Ø 19 x H 5 mm

**10 Capacitor**

**11 Electric motor**

**TEX**: single-phase 230 V - 50 Hz
with winding integrated thermal motor protection

- Continuous running duty S1
- Insulation: Class F
- Protection rating IP X8

**12 Power cord**

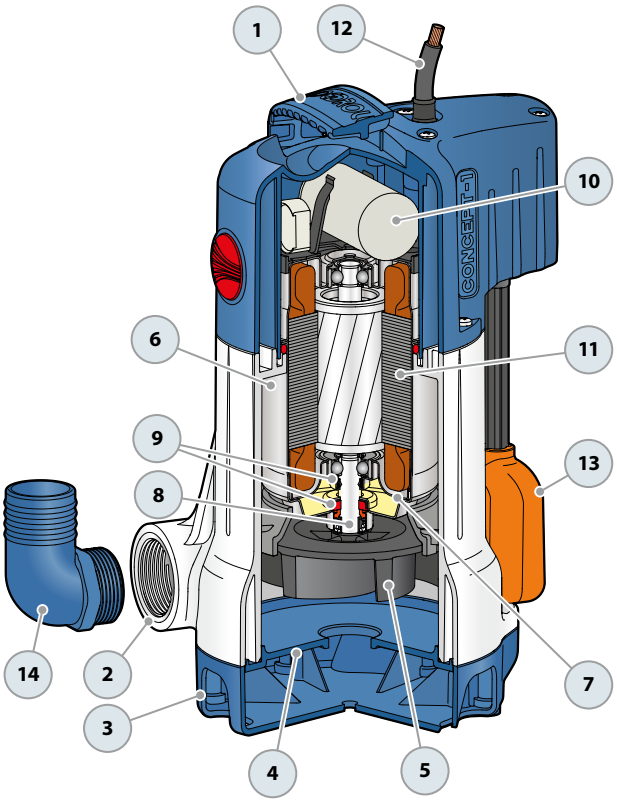
Type 'H07 RN-F' with Schuko plug

※ Standard length 5 metres

**13 Float level switch**
Float magnetic vertical solid adjustable

**14 Hose connector**

Ø 40 mm



# TOP MULTI-AD Submersible pump for AdBlue®

Industrial use




## INSTALLATION AND USE

**TOP MULTI 1-AD** submersible pumps are engineered to handle AUS32 (Aqueous Urea Solution 32.5%), a clean liquid meeting ISO 22241 standards. This solution is also recognized globally under:

※ **AdBlue®** (registered trademark of Verband der Automobilindustrie VDA);
※ **DEF** (Diesel Exhaust Fluid);
※ **Arla 32** (Agente Redutor Liquido de Óxido de Nitrogênio Automotivo).

## APPLICATION LIMITS

- Depth of use below liquid level up to **3 m**
- Liquid temperature up to **+40 °C**
- Draining capability up to **25 mm** from the bottom

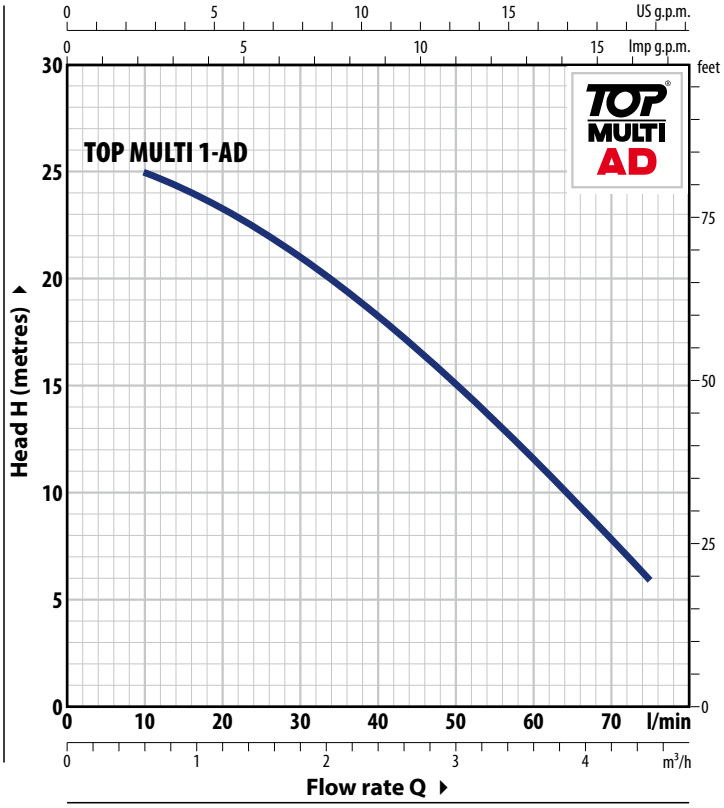
## INCLUDES

※ **5 m** long power cable with H07BN4-F sheathing
※ Complete sleeve with clapet valve

## AVAILABLE UPON REQUEST

※ Different voltage requirements 60 Hz frequency
※ 10 metres long power cable

## CURVES AND PERFORMANCE DATA 50 Hz




## ABSORPTION

| TYPE | VOLTAGE |
|---|---|
| **Single-phase** | **230 V** |
| **TOP MULTI 1-AD** | 2.0 A |

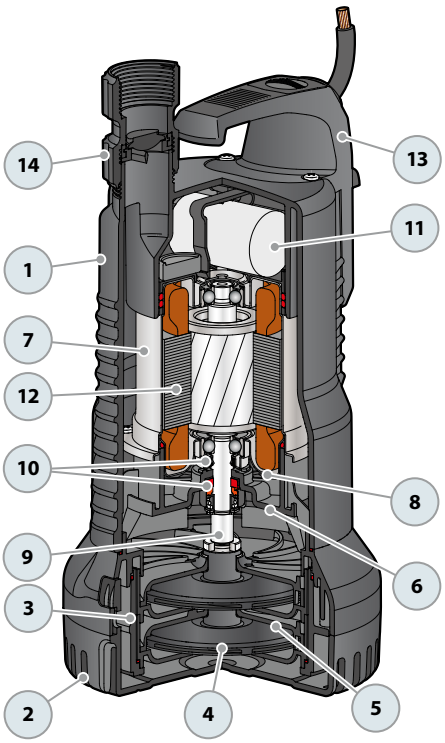
| TYPE | POWER (P2) | | Q | m³/h | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **kW** | **HP** | | l/min | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **75** |
| **TOP MULTI 1-AD** | 0.37 | 0.50 | **H** metres | | 26 | 25 | 23.3 | 21 | 18.3 | 15 | 11.6 | 8 | 6 |

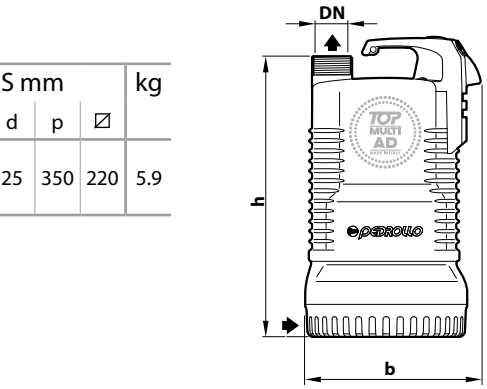
## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Pump body** | Technopolymer with ISO 228/1 threaded delivery port |
| 2 | **Suction filter** | Technopolymer |
| 3 | **Containment stages** | Technopolymer |
| 4 | **Impeller** | Noryl™ |
| 5 | **Diffuser** | Noryl™ |
| 6 | **Diffuser vanes** | Technopolymer |
| 7 | **Motor sleeve** | Stainless steel **AISI 304** |
| 8 | **Motor cover** | Stainless steel **AISI 304** |
| 9 | **Motor shaft** | Stainless steel **AISI 431** |
| 10 | **Double shaft seal** | |

| Seal | Shaft | Materials |
|---|---|---|
| **STA-12R SGE** | Ø 12 mm | Silicon carbide / Graphite / EPDM |
| **Shaft seal** | | Ø 12 x Ø 19 x H 5 mm |

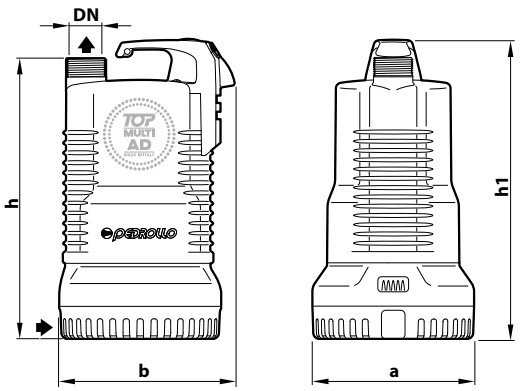
| | | |
|---|---|---|
| 11 | **Capacitor** | |
| 12 | **Electric motor** | **TOP MULTI-AD**: Single-phase 230 V - 50 Hz with winding integrated thermal motor protection<br>- Continuous running duty **S1**<br>- Insulation: Class F<br>- Protection rating IP X8 |
| 13 | **Handle group** | ※ Complete with 5 metres long power cable type 'H07BN4-F'. |
| 14 | **Sleeve** | Threaded 1¼" ISO 228/1 with built-in clapet valve (Included in delivery) |



## DIMENSIONS AND WEIGHTS (mm)

| TYPE<br>**Single-phase** | PORT<br>**DN** | N° STAGES | DIMENSIONS mm | | | | | | | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | a | b | h | h1 | d | p | ⍁ | |
| **TOP MULTI 1-AD** | **1¼"** | 2 | 170 | 180 | 295 | 315 | 25 | 350 | 220 | 5.9 |




## PALLET CAPACITY

| TYPE<br>**Single-phase** | NO. OF PUMPS |
|---|---|
| **TOP MULTI 1-AD** | 60 |