

TOP MULTI

Submersible multi-impeller pumps



PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m³/h)
- Head up to **42 m**

APPLICATION LIMITS

- Immersion depth:
 - **5 m** with 10 m long power cable
 - **10 m** with a sufficiently long power cable
- Maximum liquid temperature **+40 °C**
- Passage of suspended solids up to **Ø 1.3 mm**
- Suction down to **22 mm** above ground level
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

Complete with:
– **10 m** long power cable
– float switch

EN 60335-1
IEC 60335-1
CEI 61-150

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



CERTIFICATIONS



INSTALLATION AND USE

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their high efficiency and reliability they are suitable for use in applications such as domestic water supply from reservoirs, tanks or relatively deep wells, for drawing rain water from cisterns to water gardens or for use in irrigation systems, etc.

PATENTS - TRADE MARKS - MODELS

- TOP MULTI® is a registered trade mark
- Registered Community Design n° e-00050929-F

OPTIONALS AVAILABLE ON REQUEST

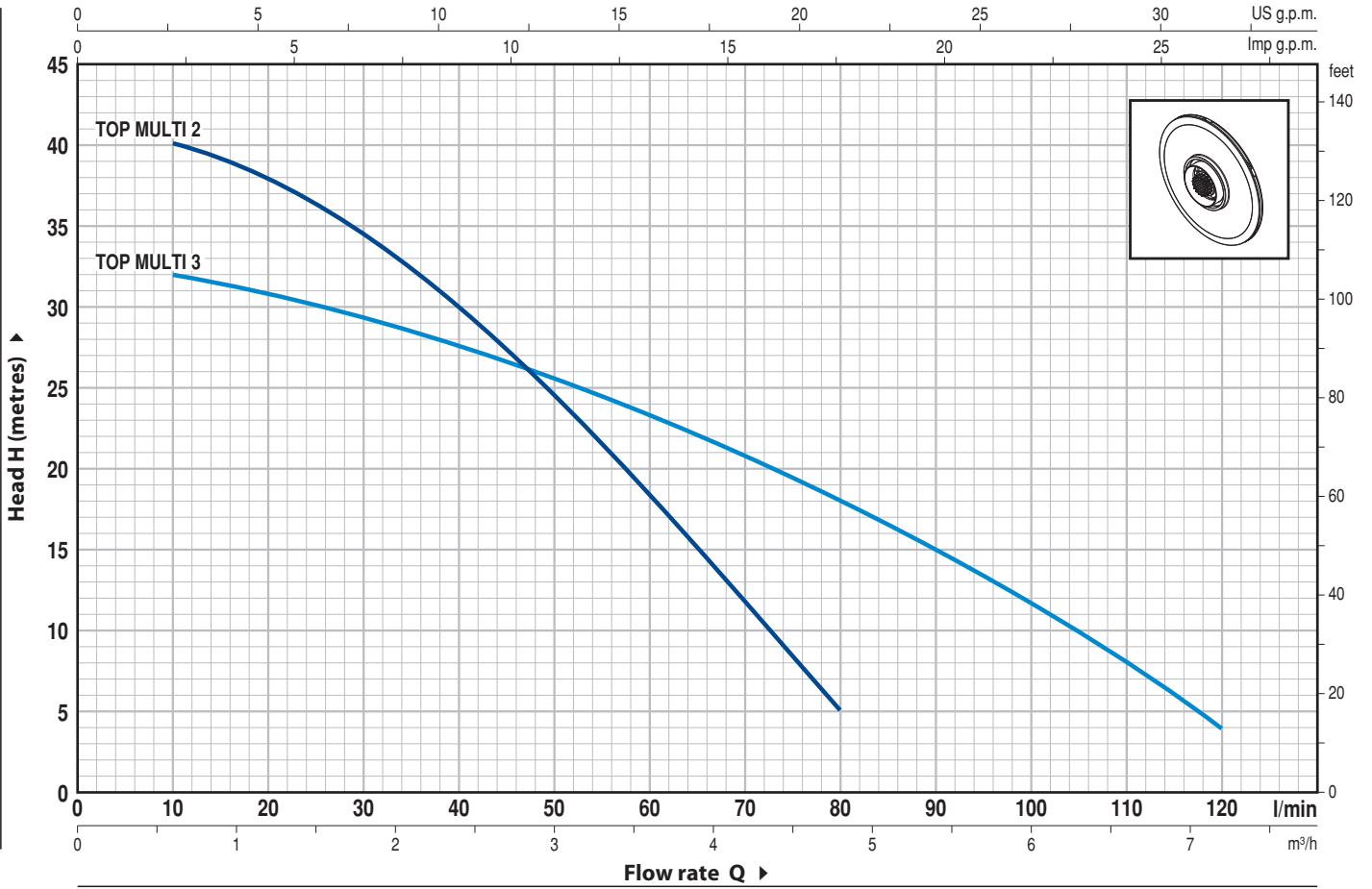
- Pumps without float switch
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



| MODEL | POWER | | Q | Flow rate | | | | | | | | | | | | | | | |
|--------------------|-------|------|----------|-----------|-----|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|--|--|--|
| | kW | HP | | 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 | | | l/min | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | | | |
| TOP MULTI 2 | 0.55 | 0.75 | H metres | 42 | 40 | 38 | 34 | 30 | 24 | 18 | 11.5 | 5 | | | | | | | |
| TOP MULTI 3 | 0.55 | 0.75 | H metres | 33 | 32 | 31 | 29.5 | 28 | 25.5 | 23 | 20.5 | 18 | 15 | 12 | 8 | 4 | | | |

Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

| POS. | COMPONENT | CONSTRUCTION CHARACTERISTICS | | | | |
|------|--|---|-----------------|------------------------|------------------------|------------------|
| 1 | DELIVERY BODY | Glass fibre reinforced technopolymer, complete with threaded delivery port in compliance with ISO 228/1 | | | | |
| 2 | PUMP BODY AND SUCTION FILTER | Glass fibre reinforced technopolymer | | | | |
| 3 | MOTOR SLEEVE | Stainless steel AISI 304 | | | | |
| 4 | IMPELLERS | Noryl GFN2V | | | | |
| 5 | DIFFUSERS | Noryl GFN2V complete with anti-wear rings | | | | |
| 6 | MOTOR SHAFT | Stainless steel EN 10088-3 - 1.4104 | | | | |
| 7 | TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER | | | | | |
| | <i>Seal</i> | <i>Shaft</i> | <i>Position</i> | <i>Stationary ring</i> | <i>Materials</i> | <i>Elastomer</i> |
| | <i>Model</i> | <i>Diameter</i> | | | <i>Rotational ring</i> | |
| | AR-13R | Ø 13 mm | Motor side | Ceramic | Graphite | NBR |
| | AR-12R SIC | Ø 12 mm | Pump side | Ceramic | Silicon carbide | NBR |

| | | |
|---|--------------------|------------------------|
| 8 | BEARINGS | 6202 ZZ - C3 / 6201 ZZ |
| 9 | CAPACITOR | |
| | <i>Capacitance</i> | |
| | (230 V or 240 V) | (110 V) |
| | 12.5 µF 450 VL | 30 µF 250 VL |

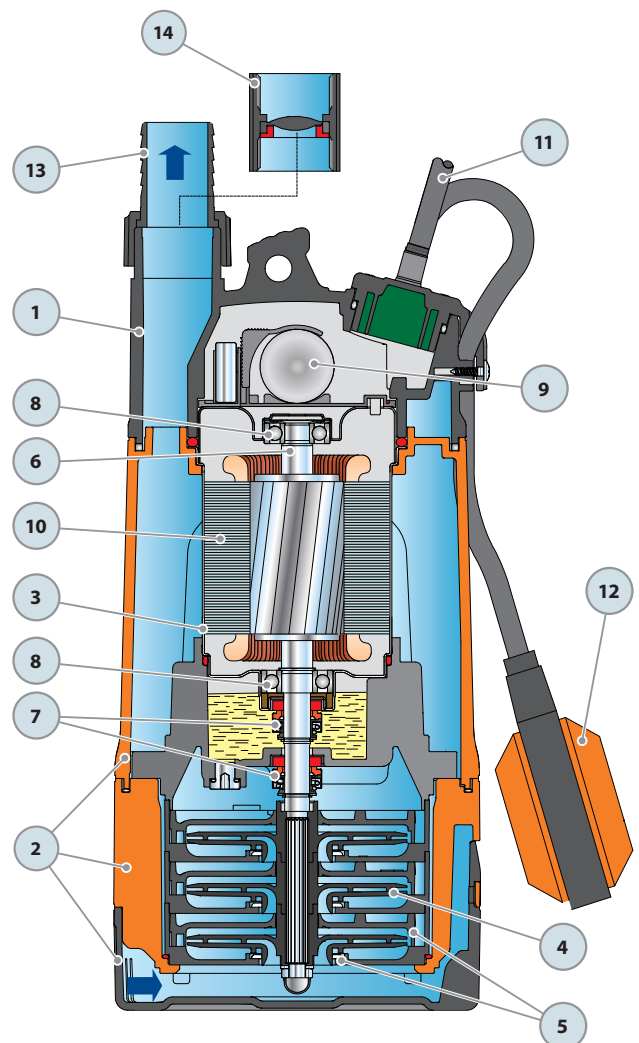
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|----|---|
| 10 | ELECTRIC MOTOR |
| | TOP MULTI: single-phase 230 V - 50 Hz with built-in overload protector. |
| | - Insulation: F class. |
| | - Protection: IP 68. |

| | |
|----|---|
| 11 | POWER CABLE |
| | ⇒ 10 metre long "H07 RN-F" cable with Schuko plug |

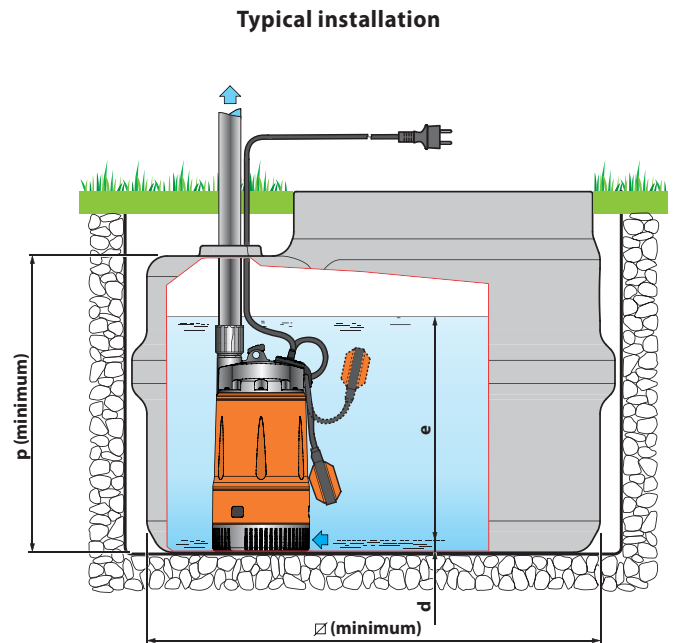
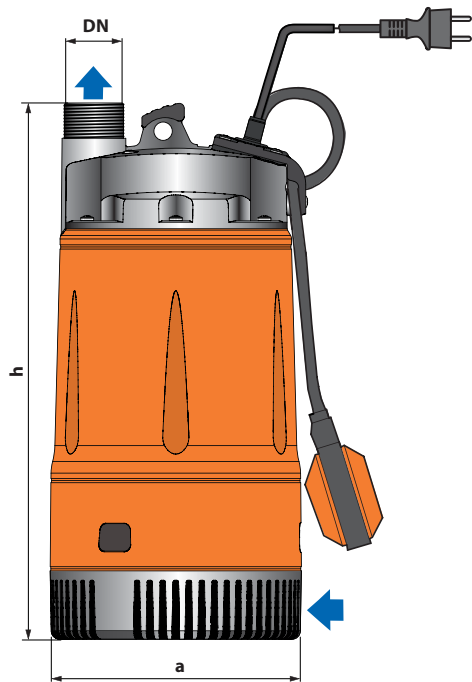
| | |
|----|--------------|
| 12 | FLOAT SWITCH |
|----|--------------|

| | |
|----|---------------------------|
| 13 | HOSE CONNECTOR WITH UNION |
| | Ø 35 mm hose connection |

| | |
|----|---|
| 14 | PIPE COUPLING |
| | Threaded 1¼" in compliance with ISO 228/1, complete with clapet valve |



DIMENSIONS AND WEIGHT



| MODEL | PORT DN | N° STAGES | DIMENSIONS mm | | | | | | kg |
|--------------|------------|-----------|---------------|-----|----|----------|-----|-----|-----|
| | | | a | h | d | e | p | Ø | |
| Single-phase | 1¼" | 3 | 178 | 380 | 22 | variable | 500 | 500 | 9.4 |
| TOP MULTI 2 | | | | | | | | | |
| TOP MULTI 3 | | | | | | | | | |

ABSORPTION

| MODEL | VOLTAGE (single-phase) | | |
|-------------|------------------------|-------|-------|
| | 230 V | 240 V | 110 V |
| TOP MULTI 2 | 3.4 A | 3.3 A | 6.8 A |
| TOP MULTI 3 | 3.6 A | 3.5 A | 7.2 A |

PALLETIZATION

| MODEL | GROUPAGE | | | CONTAINER | | |
|-------------|----------|--------|-----|-----------|--------|-----|
| | n° pumps | H (mm) | kg | n° pumps | H (mm) | kg |
| TOP MULTI 2 | 60 | 1370 | 582 | 80 | 1780 | 770 |
| TOP MULTI 3 | 60 | 1370 | 582 | 80 | 1780 | 770 |

