

# TOP MULTI

## Submersible multi-stage pumps

 Clean water

 Domestic use

 Civil use



### PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m<sup>3</sup>/h)
- Head up to **42 m**

### APPLICATION LIMITS

- **10 m** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C**
- Suction down to **22 mm** above ground level
- Continuous service **S1**

### CONSTRUCTION AND SAFETY STANDARDS

Complete with:

- **10 m** long power cable
- float switch
- hose connector Ø 35 mm
- complete connector with flap-check valve

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

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



### CERTIFICATIONS

Company with management system certified DNV  
ISO 9001: QUALITY  
ISO 14001: ENVIRONMENT AND SAFETY



### INSTALLATION AND USE

**TOP MULTI®** pumps are recommended for pumping **clean water** and liquids that are not chemically aggressive for the materials from which the pump is made.

Because 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

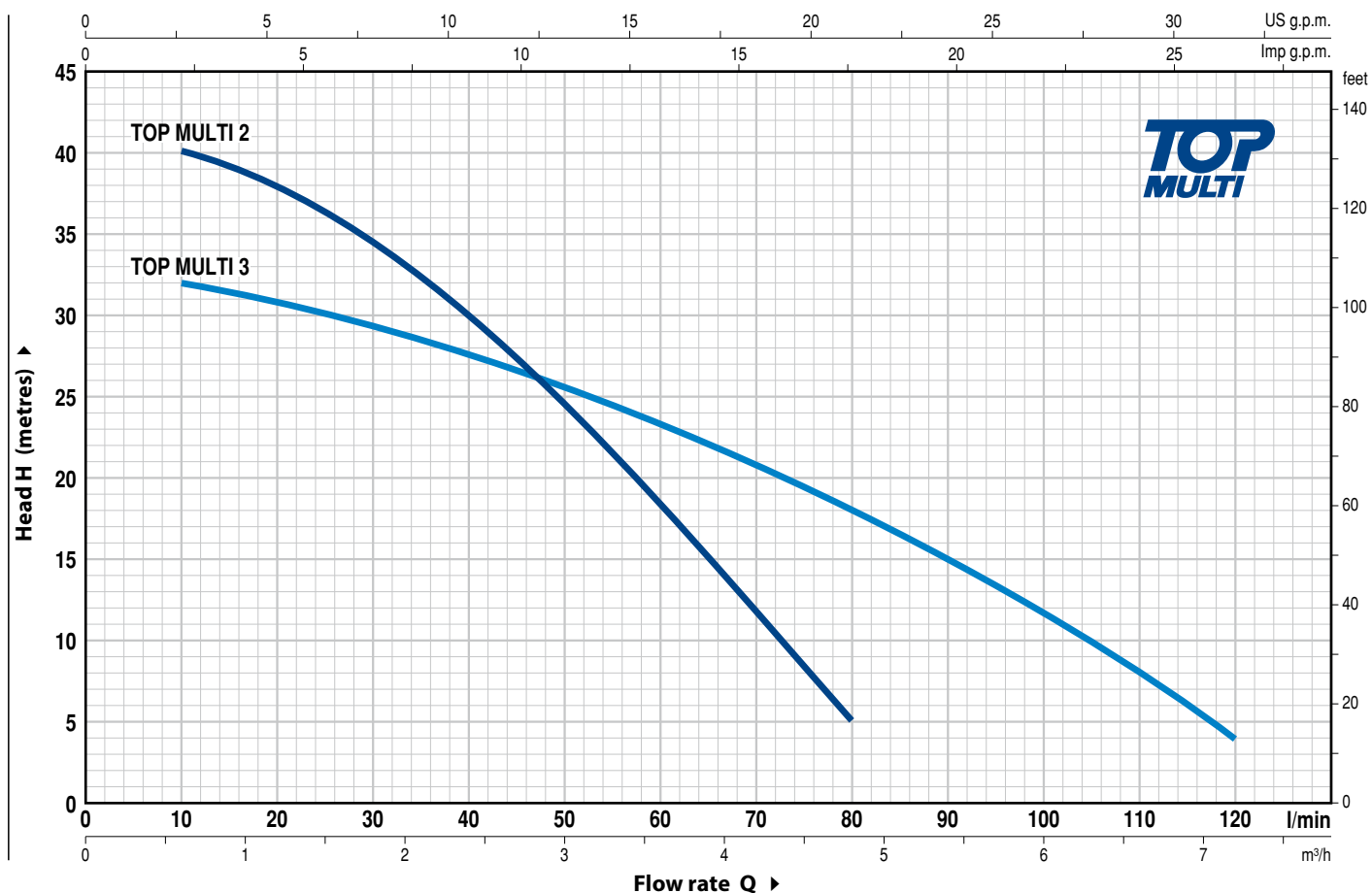
- Registered EU Design n. 000885587
- Registered Trade Mark n. 0001334477 TOP MULTI®

### OPTIONS AVAILABLE ON REQUEST

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

## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 rpm



MODEL Single-phase	POWER (P <sub>2</sub> )		Q m <sup>3</sup> /h l/min	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
	kW	HP		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		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 Grade 3B.

## POS. COMPONENT

## CONSTRUCTION CHARACTERISTICS

1	<b>DELIVERY BODY</b>	Glass fibre reinforced technopolymer complete with threaded delivery port in compliance with ISO 228/1
2	<b>PUMP BODY AND SUCTION FILTER</b>	Glass fibre reinforced technopolymer
3	<b>MOTOR SLEEVE</b>	Stainless steel AISI 304
4	<b>IMPELLERS</b>	Noryl FE1520PW
5	<b>DIFFUSERS</b>	Noryl complete with anti-wear ring
6	<b>MOTOR SHAFT</b>	Stainless steel EN 10088-3 - 1.4104

### 7 TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER

Seal Model	Shaft Diameter	Position	Materials		
			Stationary ring	Rotational ring	Elastomer
STA-13R	Ø 13 mm	Motor side	Ceramic	Graphite	NBR
STA-12R SIC	Ø 12 mm	Pump side	Ceramic	Silicon carbide	NBR

### 8 BEARINGS 6202 ZZ - C3 / 6201 ZZ

### 9 CAPACITOR

#### Capacitance

(230 V or 240 V)	(110 V)
12.5 µF 450 VL	25 µF - 250 VL

### 10 ELECTRIC MOTOR

**TOP MULTI:** single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding.

- Insulation: class F
- Protection: IP X8

### 11 POWER CABLE

**"H07 RN-F" with Schuko plug**  
**Standard length 10 metres**

### 12 FLOAT SWITCH

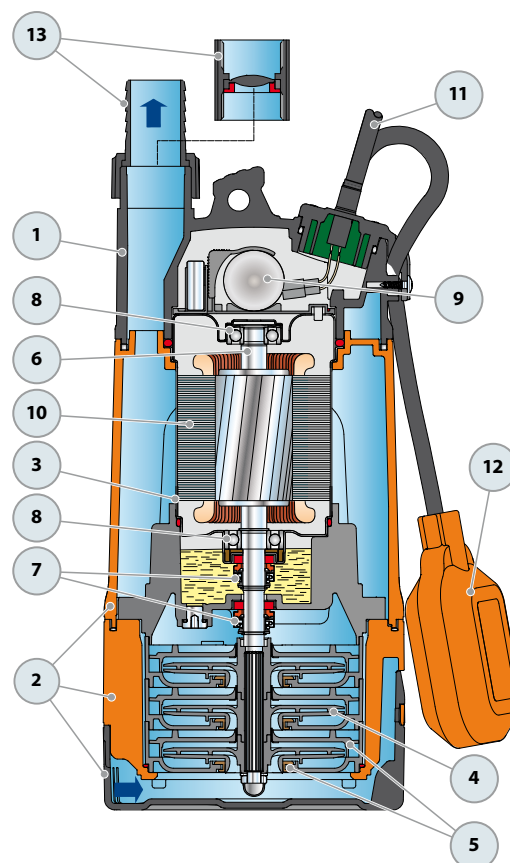
### 13 HOSE CONNECTOR WITH RING NUT

Ø 35 mm hose connection

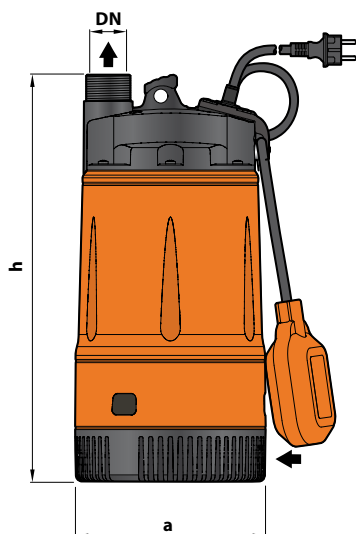
#### PIPE COUPLING

Threaded 1¼" in compliance with ISO 228/1, complete with flap-check valve

(Included in the equipment)



## DIMENSIONS AND WEIGHT



### Standard installation



MODEL	PORT	N. STAGES	DIMENSIONS mm		kg
Single-phase	DN		a	h	
TOP MULTI 2	1 1/4"	3	178	380	9.4
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
Single-phase	n. pumps	n. pumps
TOP MULTI 2	60	80
TOP MULTI 3	60	80

