

# TOP MULTI

## Submersible multi-stage pumps

-  Clean water
-  Domestic use
-  Civil use



TOP MULTI 1



TOP MULTI 2  
TOP MULTI 3

### PERFORMANCE RANGE

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

### APPLICATION LIMITS

- Immersion depth:
  - up to **3 m** for TOP MULTI 1
  - up to **10 m** for TOP MULTI 2-3 (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C**
- Suction level:
  - **25 mm** above ground level for TOP MULTI 1
  - **35 mm** above ground level for TOP MULTI 2-3
- 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



### 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

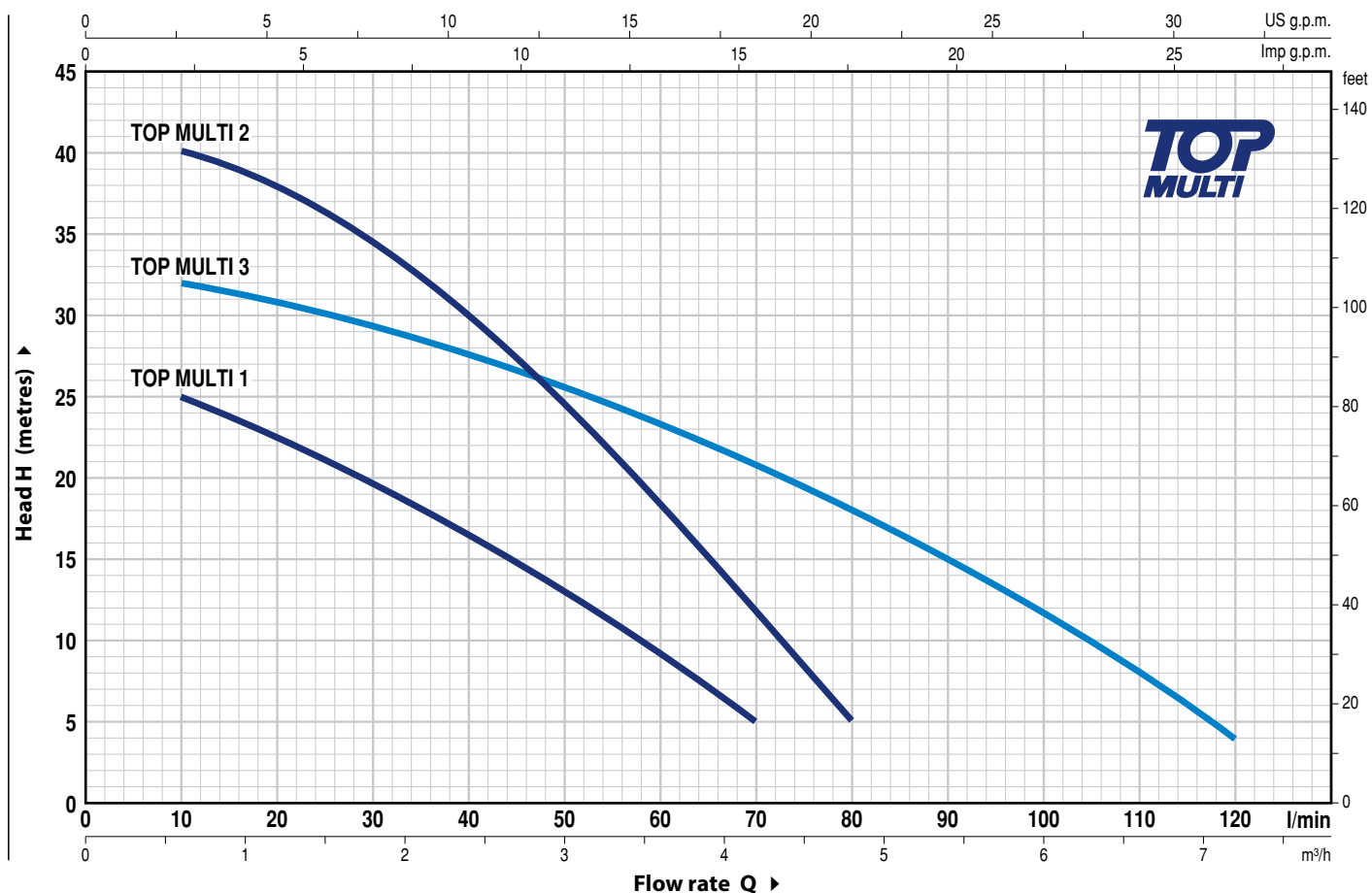
- Registered EU Design n. 000885587 for TOP MULTI 2-3
- TOP MULTI® Registered Trade Mark n. 0001334477

### OPTIONS AVAILABLE ON REQUEST

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

## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min<sup>-1</sup>



MODEL Single-phase	POWER (P <sub>2</sub> )		Q	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 1	0.37	0.50	H metres	27	25	22.5	19.5	16.5	13	9	5					
TOP MULTI 2	0.55	0.75		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.

# TOP MULTI 1

## POS. COMPONENT

## CONSTRUCTION CHARACTERISTICS

1	<b>PUMP BODY</b>	Glass fibre reinforced technopolymer complete with threaded delivery port in compliance with ISO 228/1
2	<b>SUCTION FILTER</b>	Glass fibre reinforced technopolymer
3	<b>STAGE CASING</b>	Glass fibre reinforced technopolymer
4	<b>IMPELLERS</b>	Noryl FE1520PW
5	<b>DIFFUSER AND STAGE BOXES</b>	Noryl FE1520PW complete with anti-wear ring
6	<b>VANE DIFFUSER</b>	Glass fibre reinforced technopolymer
7	<b>MOTOR CASING</b>	Stainless steel AISI 304
8	<b>MOTOR CASING PLATE</b>	Stainless steel AISI 304
9	<b>MOTOR SHAFT</b>	Stainless steel AISI 431

### 10 SHAFT WITH DOUBLE SEAL AND OIL CHAMBER

Seal	Shaft	Materials			
Model	Diameter	Stationary ring	Rotational ring	Elastomer	Metals
STA-12R	Ø 12 mm	Ceramic	Graphite	NBR	AISI 304

### 11 LIP SEAL Ø 12 x Ø 19 x H 5 mm

### 12 BEARINGS 6201 ZZ - C3E / 6201 ZZ - C3E

### 13 CAPACITOR

#### Capacitance

(230 V or 240 V)	(110 V)
10 µF 450 VL	16 µF 250 VL

### 14 ELECTRIC MOTOR

**TOP MULTI 1:** single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding.

- Insulation: class F
- Protection: IP X8

### 15 HANDLE ASSEMBLY (resin sealed)

Complete with:

- 10 metres long "H07 RN-F" power cable with Schuko plug
- Float switch

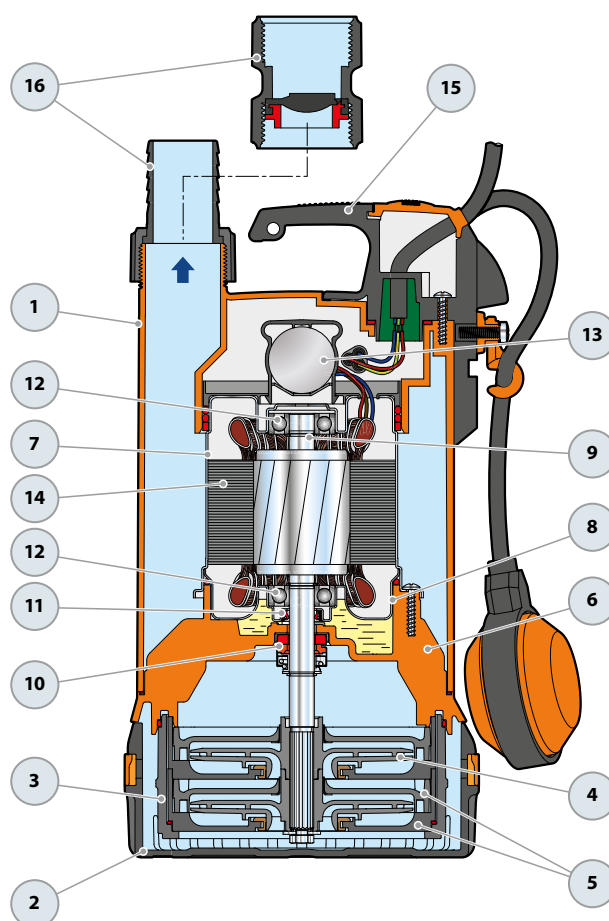
### 16 HOSE CONNECTOR WITH RING NUT

Ø 35 mm hose connection

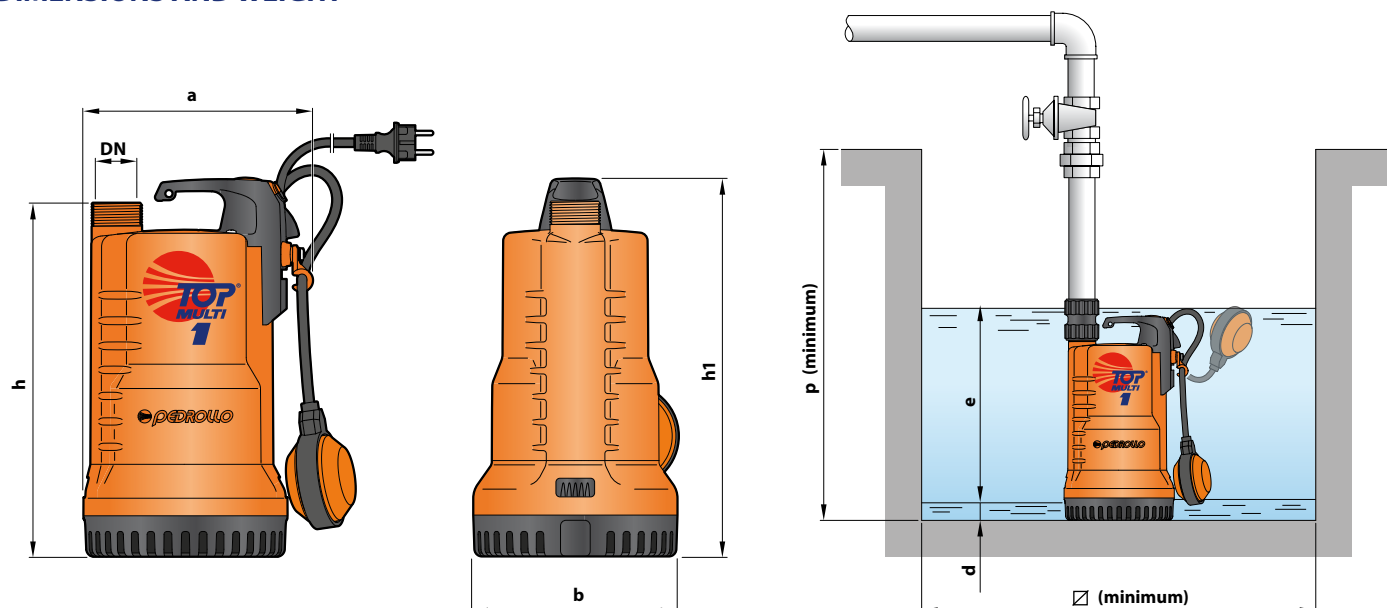
#### PIPE COUPLING

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

(Included in the equipment)



## DIMENSIONS AND WEIGHT



MODEL	PORT DN	N. STAGES	DIMENSIONS mm								kg
			a	b	h	h1	d	e	p	Ø	
Single-phase	DN										
TOP MULTI 1	1¼"	2	192	170	295	315	25	variable	350	350	6.8

## ABSORPTION

MODEL	VOLTAGE		
	230 V	240 V	110 V
Single-phase			
TOP MULTI 1	2.0 A	2.0 A	4.0 A

## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP MULTI 1	60	100

# TOP MULTI 2-3

## 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>DIFFUSER</b>	Glass fibre reinforced technopolymer
4	<b>MOTOR SLEEVE AND MOTOR CASING PLATE</b>	Stainless steel AISI 304
5	<b>IMPELLERS</b>	Noryl FE1520PW
6	<b>DIFFUSERS</b>	Noryl complete with anti-wear ring
7	<b>MOTOR SHAFT</b>	Stainless steel AISI 431

### 8 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 SG	Ø 12 mm	Pump side	Silicon carbide	Graphite	NBR

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

### 10 CAPACITOR

#### Capacitance

(230 V or 240 V)	(110 V)
12.5 µF 450 VL	30 µF 250 VL

### 11 ELECTRIC MOTOR

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

- Insulation: class F
- Protection: IP X8

### 12 POWER CABLE

"H07 RN-F" with Schuko plug

**Standard length 10 metres**

### 13 FLOAT SWITCH

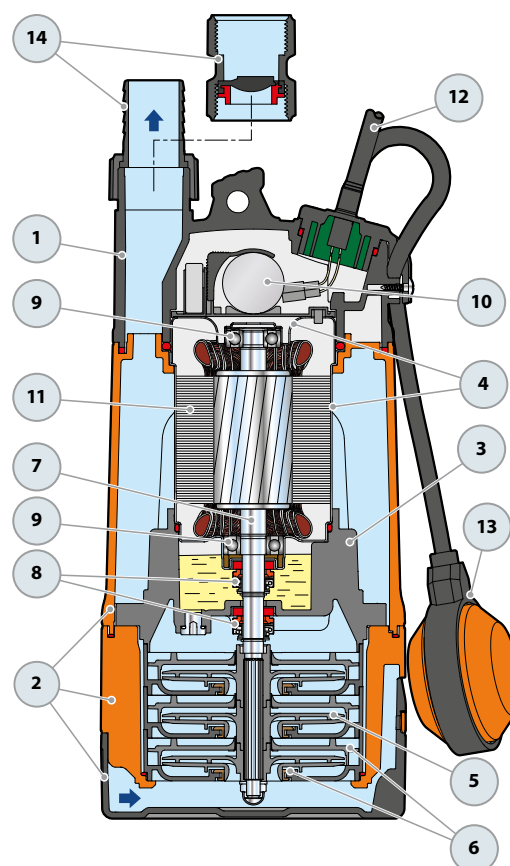
### 14 HOSE CONNECTOR WITH RING NUT

Ø 35 mm hose connection

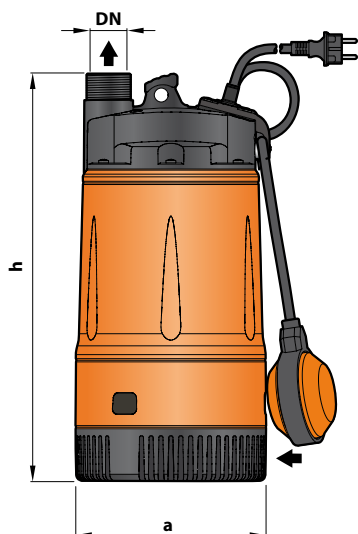
#### PIPE COUPLING

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

(Included in the equipment)



## DIMENSIONS AND WEIGHT



### Standard installation



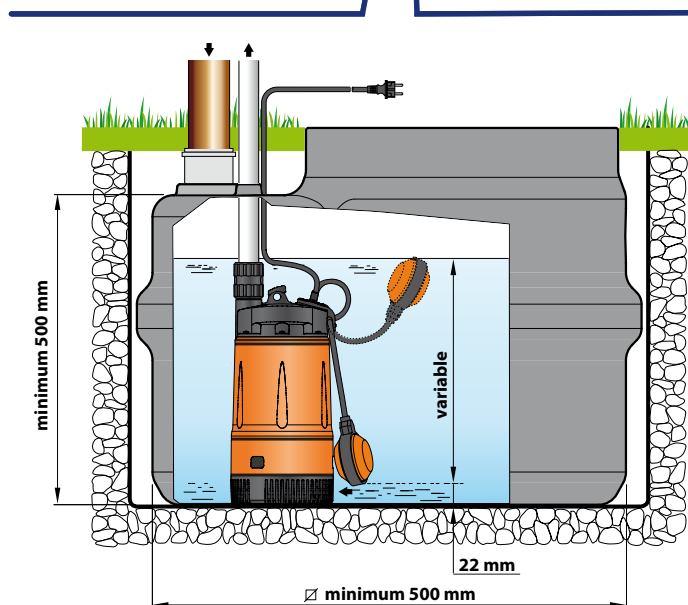
MODEL	PORT	N. STAGES	DIMENSIONS mm		kg
Single-phase	DN		a	h	
TOP MULTI 2	1 1/4"	3	178	380	9.2
TOP MULTI 3					9.3

## ABSORPTION

MODEL	VOLTAGE		
Single-phase	230 V	240 V	110 V
TOP MULTI 2	3.4 A	3.3 A	6.6 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



# TOP MULTI-EVO

## Submersible multi-stage pumps

-  Clean water
-  Domestic use
-  Civil use



TOP MULTI 1-EVO



TOP MULTI 2-EVO  
TOP MULTI 3-EVO

### PERFORMANCE RANGE

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

### APPLICATION LIMITS

- Immersion depth:
  - up to **3 m** for TOP MULTI 1-EVO
  - up to **10 m** for TOP MULTI 2-3 EVO (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C**
- Suction level:
  - **25 mm** above ground level for TOP MULTI 1-EVO
  - **35 mm** above ground level for TOP MULTI 2-3 EVO
- 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



### PATENTS - TRADE MARKS - MODELS

- TOP MULTI® Registered Trade Mark n. 0001334477

### INSTALLATION AND USE

**TOP MULTI-EVO** 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.

### OPTIONS AVAILABLE ON REQUEST

- Pumps without float switch
- Other voltages or 60 Hz frequency
- **KGE - Floating suction kit**



Kit includes:

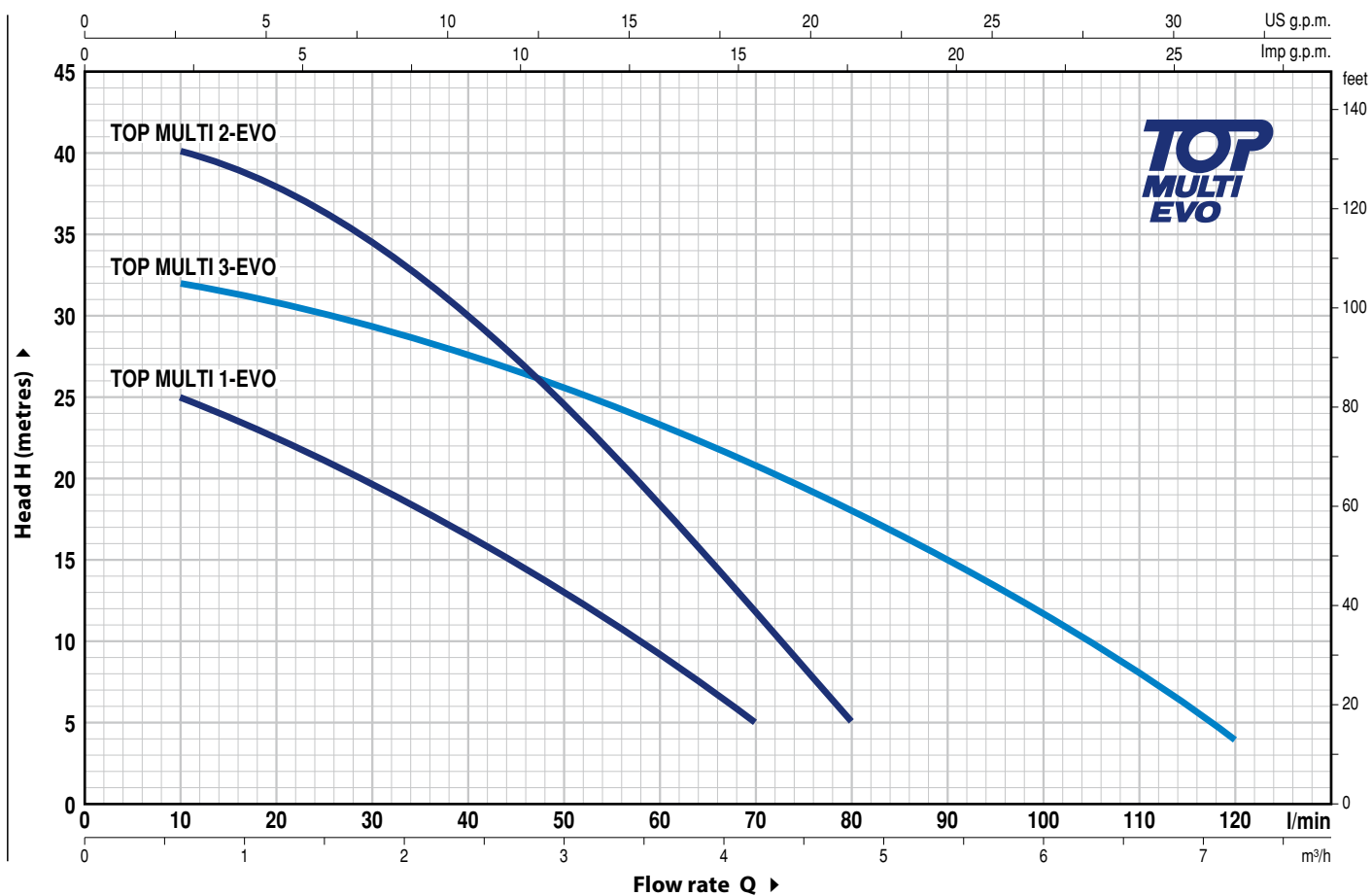
- 1.5 metre long PVC hose (Ø 30 mm)
- stainless steel suction filter
- polyethylene spherical float
- flexible hose fittings Ø 30 mm

TOP MULTI-EVO with KGE kit for aspiration at about 10 cm below the water surface, preventing the suction of any floating waste or sediment on the bottom of the tank thus avoiding any damage to the pump.



## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min<sup>-1</sup>

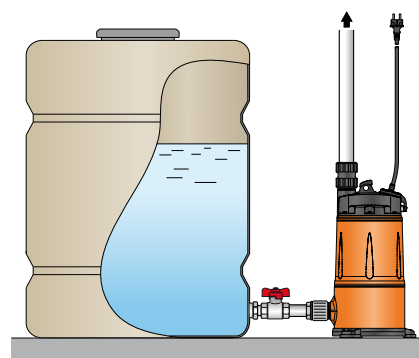
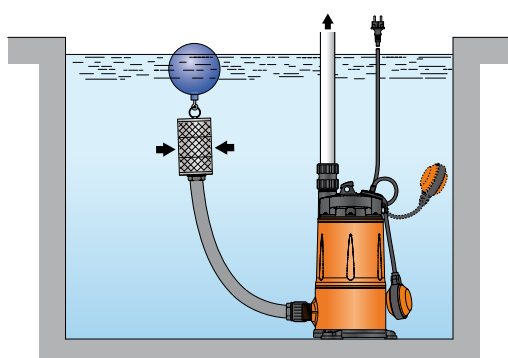


MODEL Single-phase	POWER (P <sub>2</sub> )		Q	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	kW	HP		0	10	20	30	40	50	60	70	80	90	100	110	120
TOP MULTI 1-EVO	0.37	0.50	H metres	27	25	22.5	19.5	16.5	13	9	5					
TOP MULTI 2-EVO	0.55	0.75		42	40	38	34	30	24	18	11.5	5				
TOP MULTI 3-EVO	0.55	0.75		33	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.

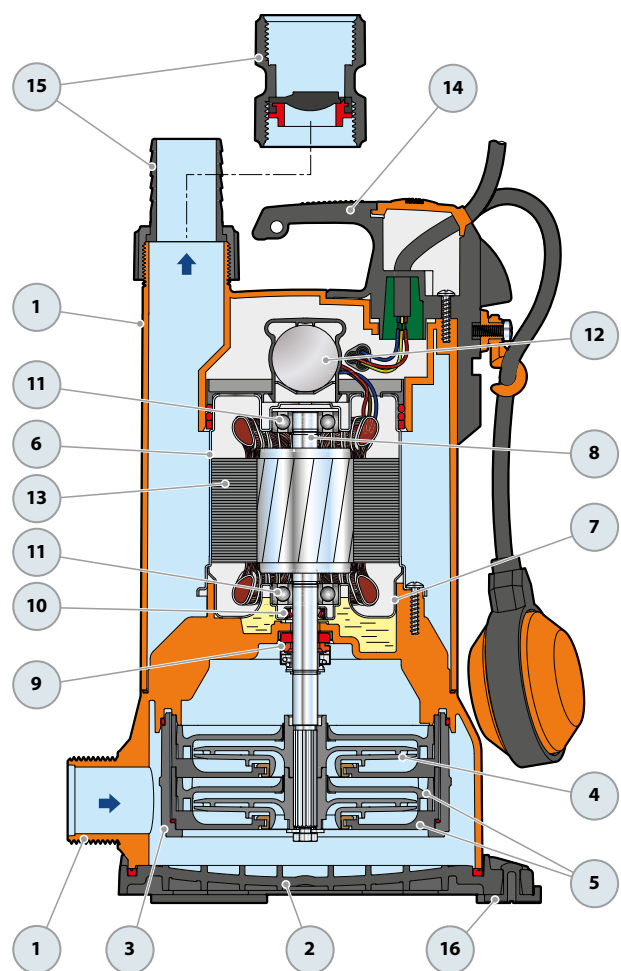
## STANDARD INSTALLATION



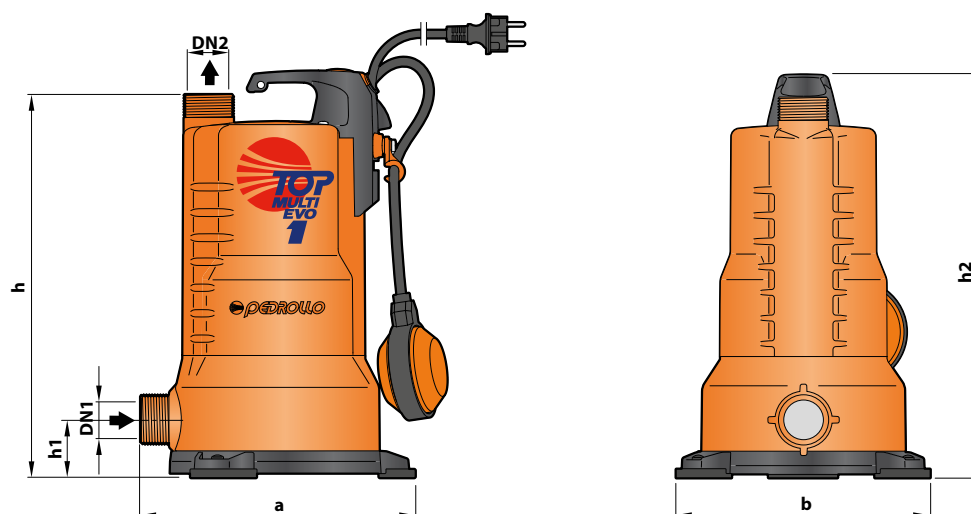


# TOP MULTI 1-EVO

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	SUCTION BODY AND DELIVERY BODY	Glass fibre reinforced technopolymer complete with threaded delivery ports in compliance with ISO 228/1
2	BASE	Glass fibre reinforced technopolymer
3	STAGE CASING	Glass fibre reinforced technopolymer
4	IMPELLERS	Noryl FE1520PW
5	DIFFUSER AND STAGE BOXES	Noryl FE1520PW complete with anti-wear ring
6	MOTOR CASING	Stainless steel AISI 304
7	MOTOR CASING PLATE	Stainless steel AISI 304
8	MOTOR SHAFT	Stainless steel AISI 431
9	SHAFT WITH DOUBLE SEAL AND OIL CHAMBER	
	Seal	Shaft
	Model	Diameter
	STA-12R	Ø 12 mm
		Stationary ring
		Ceramic
		Rotational ring
		Graphite
		Elastomer
		NBR
		Metals
		AISI 304
10	LIP SEAL	Ø 12 x Ø 19 x H 5 mm
11	BEARINGS	6201 ZZ - C3E / 6201 ZZ - C3E
12	CAPACITOR	
	Capacitance	
	(230 V or 240 V)	(110 V)
	10 µF 450 VL	10 µF 250 VL
13	ELECTRIC MOTOR	
	TOP MULTI 1-EVO: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding.	
	– Insulation: class F	
	– Protection: IP X8	
14	HANDLE ASSEMBLY (resin sealed)	
	Complete with:	
	– 10 metres long "H07 RN-F" power cable with Schuko plug	
	– Float switch	
15	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)	
16	ANTI-VIBRATION FEET	



## DIMENSIONS AND WEIGHT



MODEL			N. STAGES	DIMENSIONS mm					kg
Single-phase	DN1	DN2		a	b	h	h1	h2	
TOP MULTI 1-EVO	1¼"	1¼"	2	227	210	317	49	337	7.1

## ABSORPTION

MODEL	VOLTAGE		
Single-phase	230 V	240 V	110 V
TOP MULTI 1-EVO	2.0 A	1.9 A	4.0 A

## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP MULTI 1-EVO	45	60

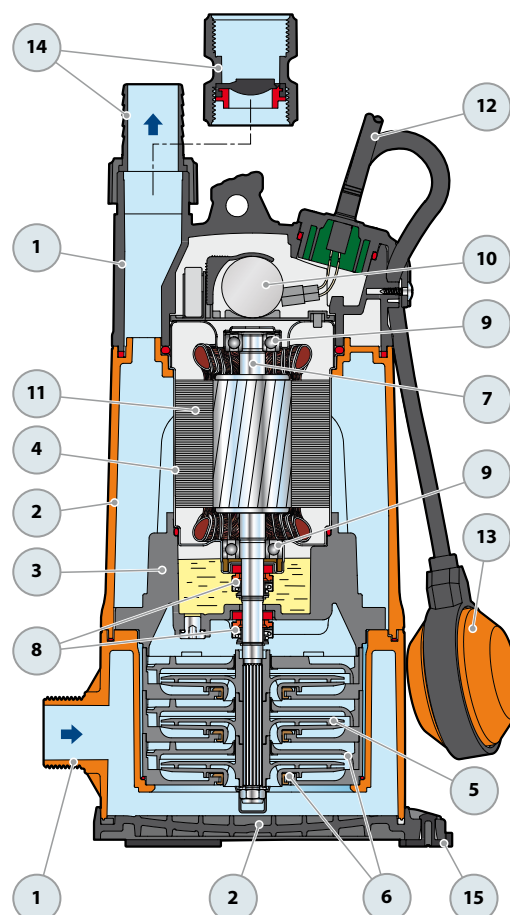
# TOP MULTI 2-3 EVO

## POS. COMPONENT

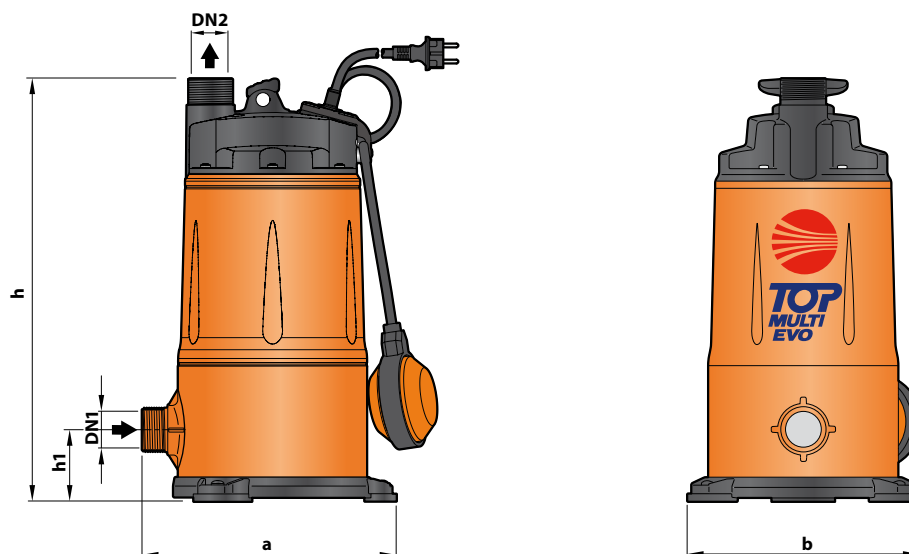
## CONSTRUCTION CHARACTERISTICS

1	SUCTION BODY AND DELIVERY BODY	Glass fibre reinforced technopolymer complete with threaded delivery ports in compliance with ISO 228/1				
2	PUMP BODY AND BASE	Glass fibre reinforced technopolymer				
3	DIFFUSER	Glass fibre reinforced technopolymer				
4	MOTOR SLEEVE	Stainless steel AISI 304				
5	IMPELLERS	Noryl FE1520PW				
6	DIFFUSER AND STAGE BOXES	Noryl complete with anti-wear ring				
7	MOTOR SHAFT	Stainless steel AISI 431				
8	TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER					
	Seal	Shaft	Position	Materials		
	Model	Diameter		Stationary ring	Rotational ring	Elastomer
	STA-13R	Ø 13 mm	Motor side	Ceramic	Graphite	NBR
	STA-12R SG	Ø 12 mm	Pump side	Silicon carbide	Graphite	NBR
9	BEARINGS	6202 ZZ - C3 / 6201 ZZ				
10	CAPACITOR					
	Capacitance					
	(230 V or 240 V)	(110 V)				
	12.5 µF 450 VL	30 µF 250 VL				
11	ELECTRIC MOTOR					
	TOP MULTI-EVO: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding.					
	– Insulation: class F					
	– Protection: IP X8					
12	POWER CABLE					
	"H07 RN-F" with Schuko plug					
	Standard length 10 metres					
13	FLOAT SWITCH					
14	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)					
15	ANTI-VIBRATION SUPPORTS					

The diagram is a vertical cross-section of a pump assembly. At the top, a blue arrow points upwards through a vertical passage (1). Below this, a motor sleeve (4) encloses the motor shaft (7). The shaft has two mechanical seals (8) separated by an oil chamber. The seals have stationary rings (Silicon carbide) and rotational rings (Graphite) with NBR elastomers. The shaft is supported by bearings (9). The pump body (2) and diffuser (3) are made of glass fibre reinforced technopolymer. The impellers (5) are made of Noryl FE1520PW. The diffuser and stage boxes (6) are also made of Noryl. A power cable (12) with a Schuko plug is connected to the motor. A float switch (13) is attached to the bottom of the assembly. A hose connector with a ring nut (14) is at the very bottom. The entire assembly is supported by anti-vibration supports (15).



## DIMENSIONS AND WEIGHT



MODEL			N. STAGES	DIMENSIONS mm				kg
Single-phase	DN1	DN2		a	b	h	h1	
TOP MULTI 2-EVO	1 1/4"	1 1/4"	3	239	216	394	68	9.8
TOP MULTI 3-EVO								9.9

## ABSORPTION

MODEL	VOLTAGE		
Single-phase	230 V	240 V	110V
TOP MULTI 2-EVO	3.4 A	3.3 A	6.8 A
TOP MULTI 3-EVO	3.6 A	3.4 A	7.2 A

## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP MULTI 2-EVO	45	60
TOP MULTI 3-EVO	45	60

# TOP MULTI-TECH

## Multi-stage automatic submersible pumps

-  Clean water
-  Domestic use
-  Civil use

**AUTOMATIC  
START & STOP**



### PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m<sup>3</sup>/h)
- Head up to **42 m**
- Restart pressure: **1.5 bar**

### APPLICATION LIMITS

- **5 m** maximum immersion depth
- Maximum height between pump and point of use **10 m**
- Maximum liquid temperature **+40 °C**
- Suction down to **34 mm** above ground level
- Continuous service **S1**

### CONSTRUCTION AND SAFETY STANDARDS

Complete with:

- **10 m** long power cable
- internal electronic device for pump starting (when tap opened) and stopping (when tap closed)
- threaded connector 1¼" (delivery)
- hose connector Ø 35 mm

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



### INSTALLATION AND USE

**TOP-MULTI-TECH** 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.

**An internal electronic device starts or stops the pump automatically when the tap is opened or closed.**

### PATENTS - TRADE MARKS - MODELS

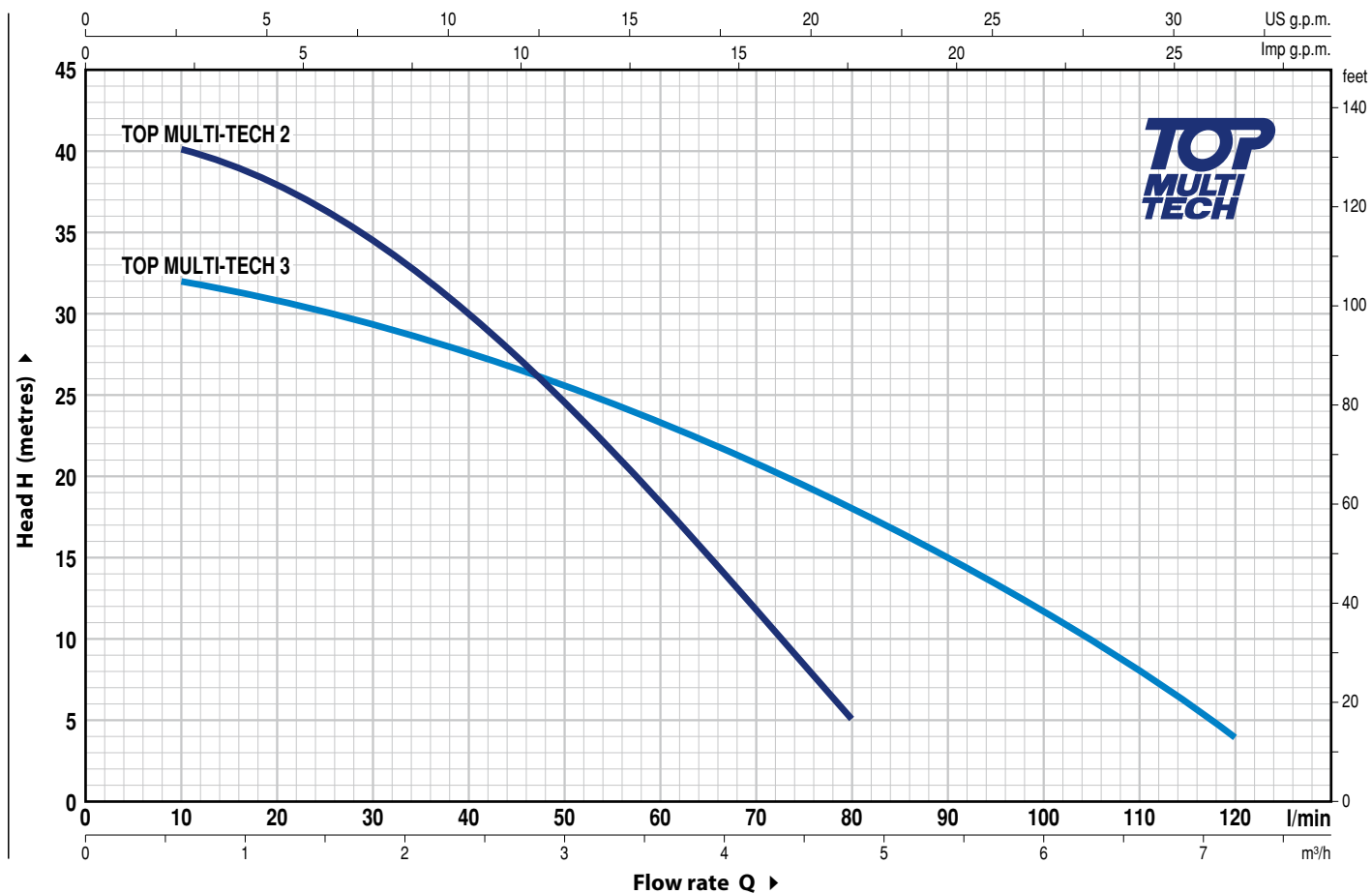
- Patent n. EP2990653
- TOP MULTI® Registered Trade Mark n. 0001334477

### OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency

## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min<sup>-1</sup>



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-TECH 2	0.55	0.75	H metres	42	40	38	34	30	24	18	11.5	5				
TOP MULTI-TECH 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.

# TOP MULTI-TECH

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	<b>DELIVERY BODY</b>	Glass fibre reinforced technopolymer
2	<b>PUMP BODY E SUCTION FILTER</b>	Glass fibre reinforced technopolymer
3	<b>DIFFUSER</b>	Glass fibre reinforced technopolymer
4	<b>MOTOR SLEEVE</b>	Stainless steel AISI 304
5	<b>IMPELLERS</b>	Noryl FE1520PW
6	<b>DIFFUSER AND STAGE BOXES</b>	Noryl complete with anti-wear ring
7	<b>MOTOR SHAFT</b>	Stainless steel AISI 431
8	<b>ELECTRONIC DEVICE</b>	<p><b>TOP MULTI-TECH pumps are fitted with an internal electronic device which starts the pump when the pressure of the system falls below 1.5 bar (eg. when opening a tap) and stops it when the flow falls below 3 litre per minute.</b></p> <p><b>It protects the pump:</b></p> <ul style="list-style-type: none"> <li>– against dry running;</li> <li>– against blockage: after long periods of pump inactivity the electronic device starts the pump every 48 hours for 10 seconds.</li> </ul>

## 9 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 SG	Ø 12 mm	Pump side	Silicon carbide	Graphite	NBR

## 10 BEARINGS 6202 ZZ - C3 / 6201 ZZ

## 11 CAPACITOR

Capacitance (230 V or 240 V)	(110 V)
12.5 µF 450 VL	30 µF 250 VL

## 12 ELECTRIC MOTOR

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

- Insulation: class F
- Protection: IP X8

## 13 POWER CABLE

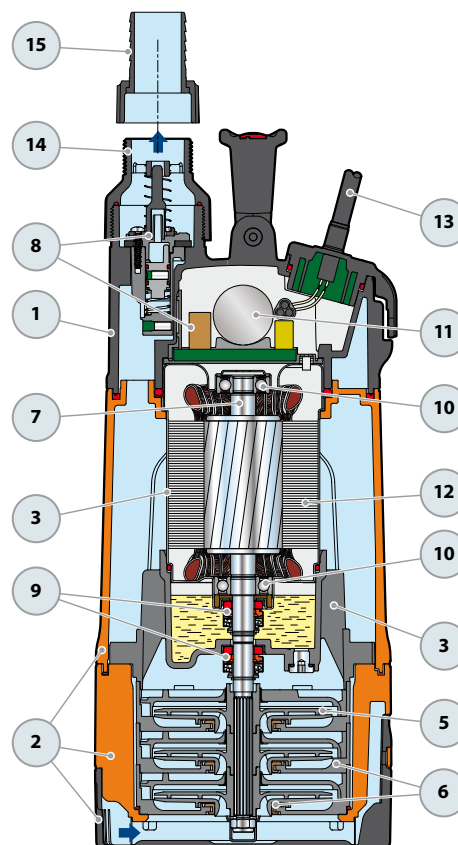
"H07 RN-F" with Schuko plug  
**Standard length 10 metres**

## 14 THREADED CONNECTOR

Threaded connector 1¼"

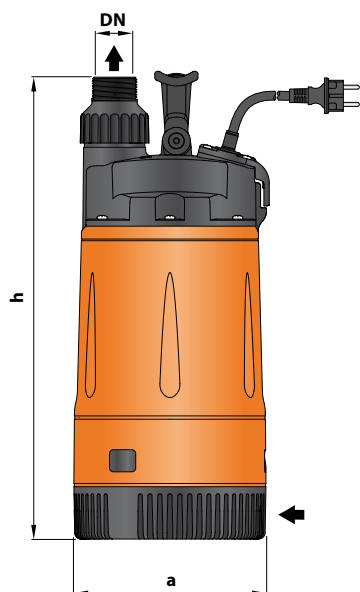
## 15 HOSE CONNECTOR WITH RING NUT

Ø 35 mm hose connection





## DIMENSIONS AND WEIGHT



MODEL	PORT	N. STAGES	DIMENSIONS mm		kg
Single-phase	DN		a	h	
TOP MULTI-TECH 2	1 1/4"	3	178	428	9.3
TOP MULTI-TECH 3					



## ABSORPTION

MODEL	VOLTAGE
Single-phase	230 V
TOP MULTI-TECH 2	3.4 A
TOP MULTI-TECH 3	3.6 A

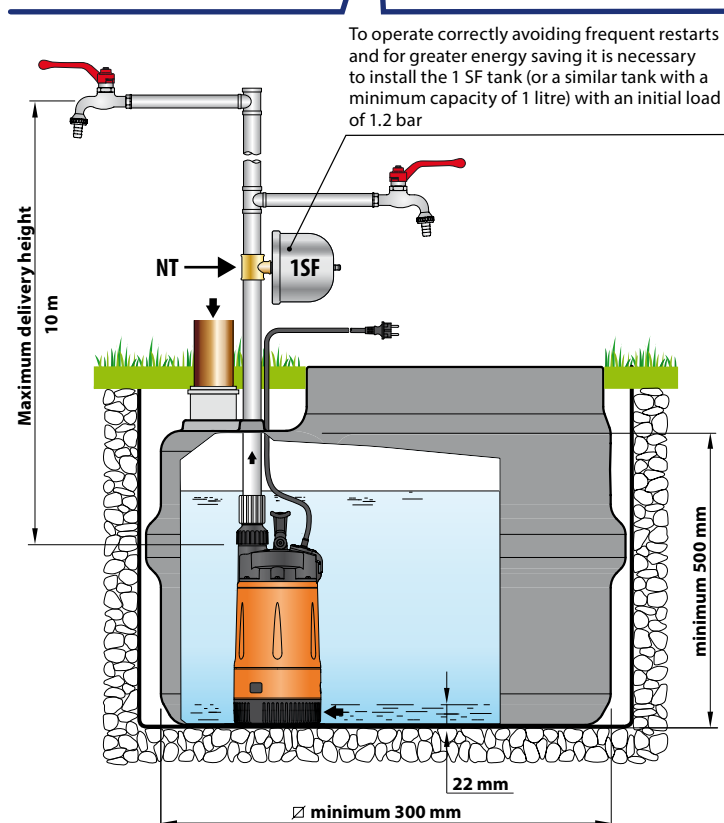
## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP MULTI-TECH 2	60	80
TOP MULTI-TECH 3	60	80

## ACCESSORIES (CAN BE ORDERED SEPARATELY)

MODEL	Code	FITTING	CAPACITY	PRE-SET	MAXIMUM WORKING PRESSURE
Tank 1 SF 	500667	1/2" (male)	1 litre	1.2 bar	10 bar
3-way fitting NT 1.25 	500160001	1 1/4" - 1 1/4" - 1/2" gas	-	-	-

## Standard installation



# TOP MULTI-EVOTECH

## Multi-stage automatic submersible pumps

 Clean water

 Domestic use

 Civil use

**AUTOMATIC  
START & STOP**



### PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m<sup>3</sup>/h)
- Head up to **42 m**
- Restart pressure: **1.5 bar**

### APPLICATION LIMITS

- **5 m** maximum immersion depth
- Maximum height between pump and point of use **10 m**
- Maximum liquid temperature **+40 °C**
- Suction down to **52 mm** above ground level
- Continuous service **S1**

### CONSTRUCTION AND SAFETY STANDARDS

Complete with:

- **10 m** long power cable
- internal electronic device for pump starting (when tap opened) and stopping (when tap closed)
- threaded connector 1¼" (delivery)
- hose connector Ø 35 mm

**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



### PATENTS - TRADE MARKS - MODELS

- Patent n. EP2990653
- TOP MULTI® Registered Trade Mark n. 0001334477

### INSTALLATION AND USE

**TOP-MULTI-EVOTECH** 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.

**An internal electronic device starts or stops the pump automatically when the tap is opened or closed.**

### OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency
- **KGE - Floating suction kit**



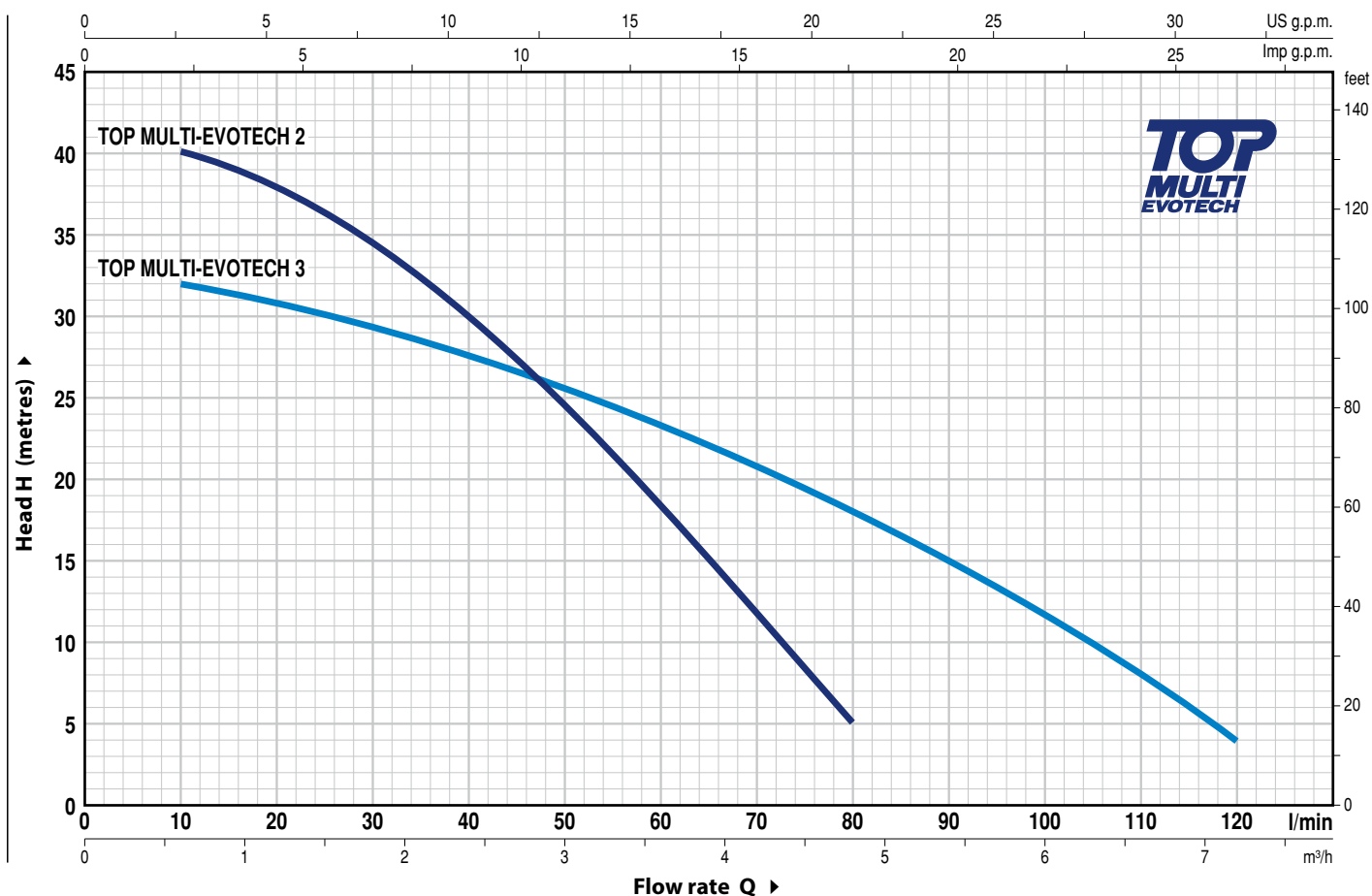
Kit includes:

- 1.5 metre long PVC hose (Ø 30 mm)
- stainless steel suction filter
- polyethylene spherical float
- flexible hose fittings Ø 30 mm

TOP MULTI-EVOTECH with KGE kit for aspiration at about 10 cm below the water surface, preventing the suction of any floating waste or sediment on the bottom of the tank thus avoiding any damage to the pump.

## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min<sup>-1</sup>

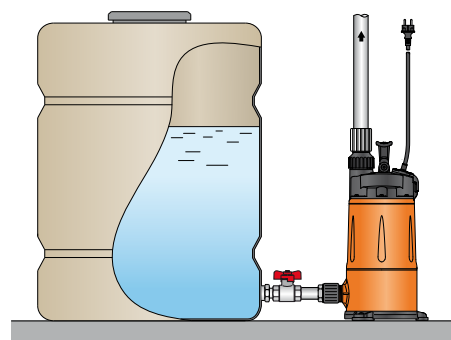
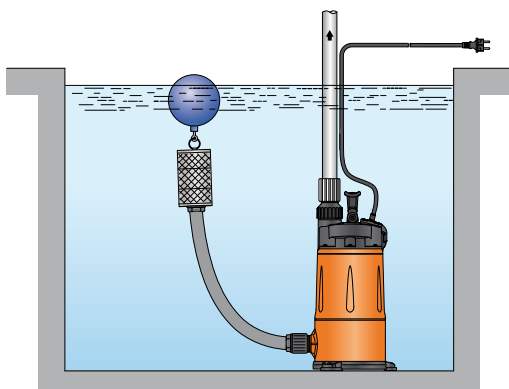


MODEL Single-phase	POWER (P <sub>2</sub> )		Q	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	kW	HP		0	10	20	30	40	50	60	70	80	90	100	110	120
TOP MULTI-EVOTECH 2	0.55	0.75	H metres	42	40	38	34	30	24	18	11.5	5				
TOP MULTI-EVOTECH 3	0.55	0.75		33	32	31	29.5	28	25.5	23	20.5	18	15	12	8	4

Q = Flow rate H = Total manometric head

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

## STANDARD INSTALLATION

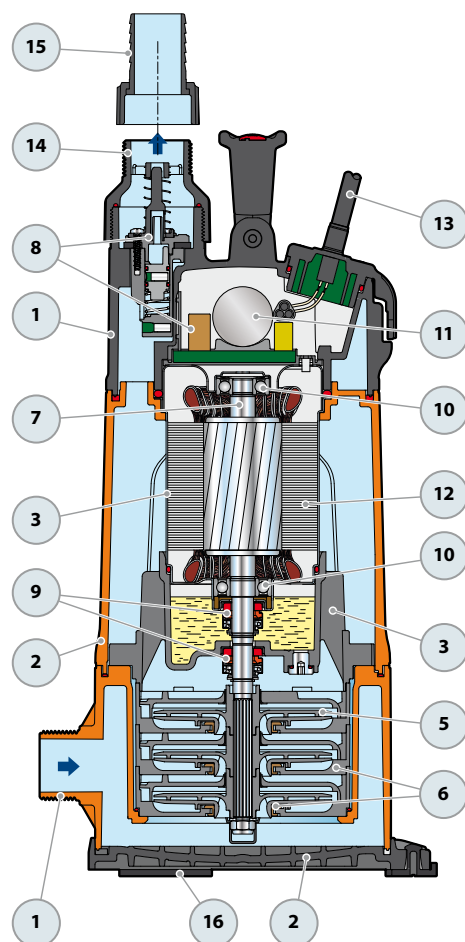


# TOP MULTI-EVOTECH

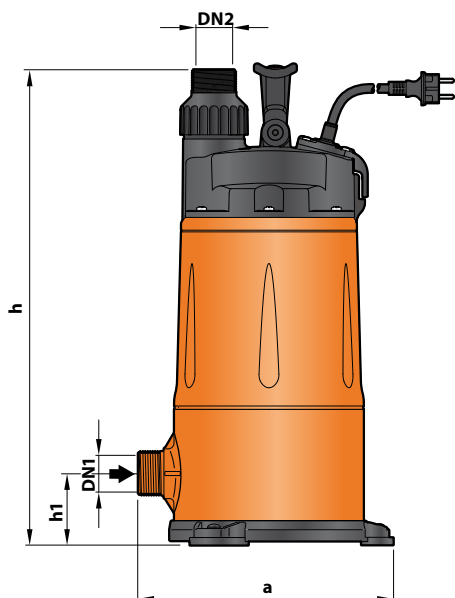
## POS. COMPONENT

## CONSTRUCTION CHARACTERISTICS

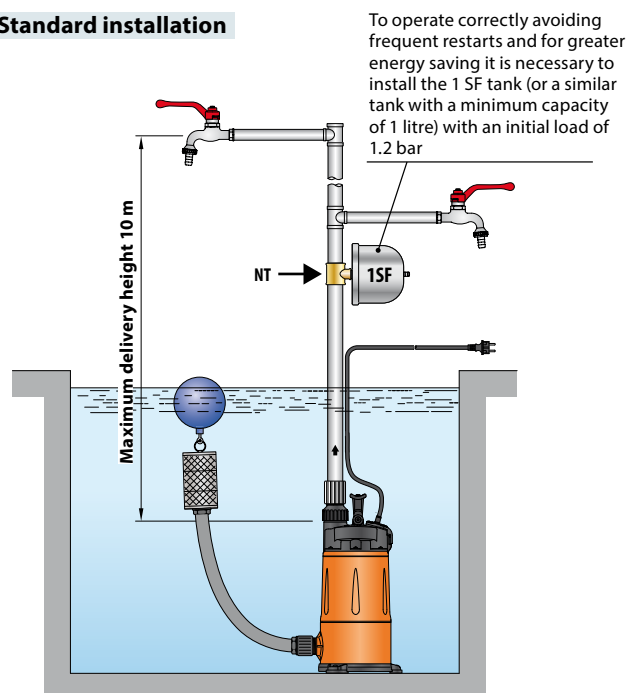
1	SUCTION BODY AND DELIVERY BODY	Glass fibre reinforced technopolymer complete with threaded delivery ports in compliance with ISO 228/1				
2	PUMP BODY AND BASE	Glass fibre reinforced technopolymer				
3	DIFFUSER	Glass fibre reinforced technopolymer				
4	MOTOR SLEEVE	Stainless steel AISI 304				
5	IMPELLERS	Noryl FE1520PW				
6	DIFFUSER AND STAGE BOXES	Noryl FE1520PW complete with anti-wear ring				
7	MOTOR SHAFT	Stainless steel AISI 431				
8	ELECTRONIC DEVICE	<p><b>TOP MULTI-EVOTECH pumps are fitted with an internal electronic device which starts the pump when the pressure of the system falls below 1.5 bar (eg. when opening a tap) and stops it when the flow falls below 3 litre per minute.</b></p> <p><b>It protects the pump:</b></p> <ul style="list-style-type: none"><li>– against dry running;</li><li>– against blockage: after long periods of pump inactivity the electronic device starts the pump every 48 hours for 10 seconds.</li></ul>				
9	TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER					
	Seal	Shaft	Position	Materials		
	Model	Diameter		Stationary ring	Rotational ring	
	STA-13R	Ø 13 mm	Motor side	Ceramic	Graphite	
	STA-12R SG	Ø 12 mm	Pump side	Silicon carbide	Graphite	
					Elastomer	
					NBR	
10	BEARINGS	6202 ZZ - C3 / 6201 ZZ				
11	CAPACITOR					
	Capacitance					
	(230 V or 240 V)	(110 V)				
	12.5 µF 450 VL	30 µF 250 VL				
12	ELECTRIC MOTOR					
	<p><b>TOP MULTI-EVOTECH:</b> single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding.</p> <ul style="list-style-type: none"><li>– Insulation: class F</li><li>– Protection: IP X8</li></ul>					
13	POWER CABLE					
	"H07 RN-F" with Schuko plug					
	<b>Standard length 10 metres</b>					
14	THREADED CONNECTOR					
	Threaded connector 1¼"					
15	HOSE CONNECTOR WITH RING NUT					
	Ø 35 mm hose connection					
16	ANTI-VIBRATION SUPPORTS					



## DIMENSIONS AND WEIGHT



### Standard installation



MODEL	DIMENSIONS mm		N. STAGES	DIMENSIONS mm			kg
Single-phase	DN1	DN2		a	h	h1	
TOP MULTI 2-EVOTECH	1 1/4"	1 1/4"	3	239	442	68	9.9
TOP MULTI 3-EVOTECH							



## ABSORPTION

MODEL	VOLTAGE	
Single-phase	230 V	110 V
TOP MULTI 2-EVOTECH	3.4 A	6.8 A
TOP MULTI 3-EVOTECH	3.6 A	7.2 A

## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP MULTI 2-EVOTECH	45	60
TOP MULTI 3-EVOTECH	45	60

## ACCESSORIES (CAN BE ORDERED SEPARATELY)

MODEL	Code	FITTING	CAPACITY	PRE-SET	MAXIMUM WORKING PRESSURE
Tank 1 SF 	500667	1/2" (male)	1 litre	1.2 bar	10 bar
3-way fitting NT 1.25 	500160001	1 1/4" - 1 1/4" - 1/2" gas	—	—	—