

# TOP MULTI-EVO

## Submersible multi-stage 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<sup>3</sup>/h)
- Head up to **52 m**

### APPLICATION LIMITS

- Immersion depth:
  - up to **3 m** for TOP MULTI 1-EVO
  - up to **10 m** for TOP MULTI 2-3-4-5 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 2-3-4-5 EVO
- Manometric suction lift up to **7 m**
- 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**



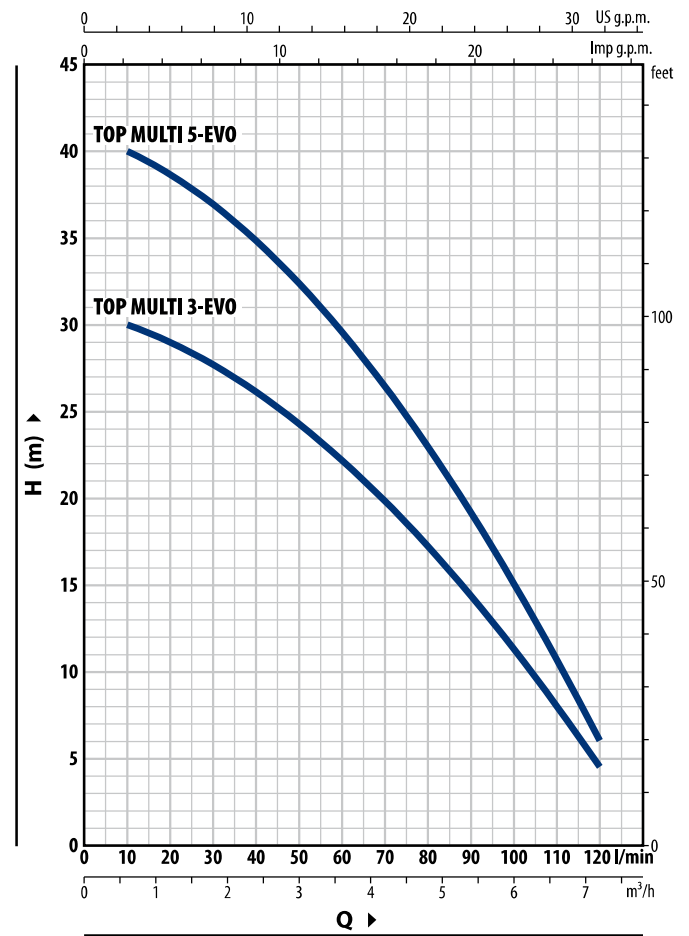
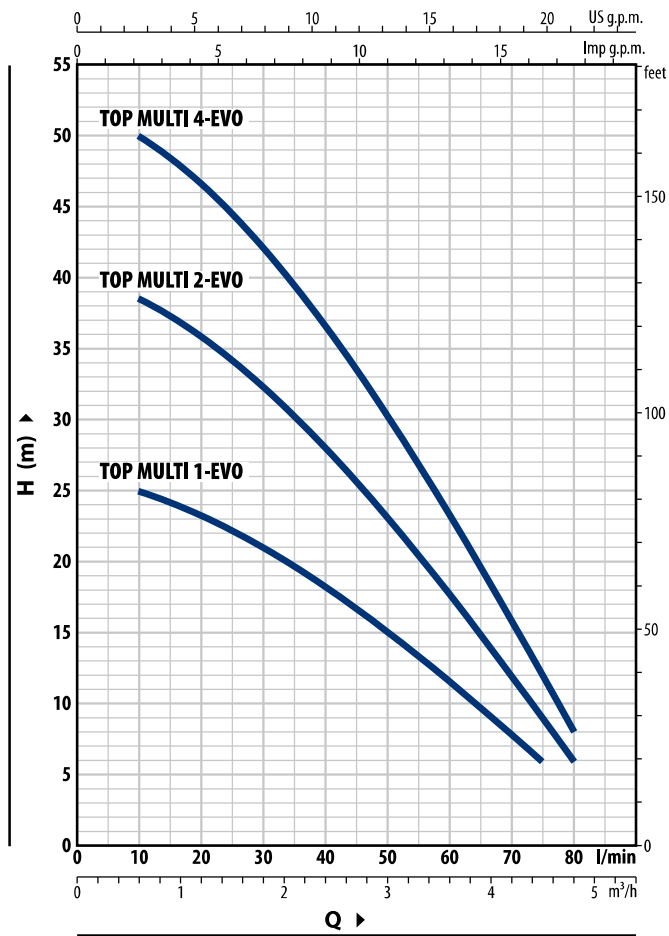
Kit includes:

- 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>



### TOP MULTI-EVO 1 - 2 - 4

MODEL Single-phase	POWER (P <sub>2</sub> )		Q	H metres												
	kW	HP		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-EVO	0.37	0.50		26	25	23.3	21.1	18.3	15.1	11.6	7.9	6				
TOP MULTI 2-EVO	0.55	0.75		40	38.5	36	32.5	28	23.1	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	11.9	8			

### TOP MULTI-EVO 3 - 5

MODEL Single-phase	POWER (P <sub>2</sub> )		Q	H metres													
	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	
			l/min	0	10	20	30	40	50	60	70	80	90	100	110	120	
TOP MULTI 3-EVO	0.55	0.75		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	22.9	19.2	15.1	10.7	6	

Q = Flow rate H = Total manometric head

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

# TOP MULTI 1-EVO

## POS. COMPONENT

## CONSTRUCTION CHARACTERISTICS

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

### 9 SHAFT WITH DOUBLE SEAL AND OIL CHAMBER

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

10	<b>LIP SEAL</b>	Ø 12 x Ø 19 x H 5 mm
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11	<b>BEARINGS</b>	6201 ZZ - C3E / 6201 ZZ - C3E
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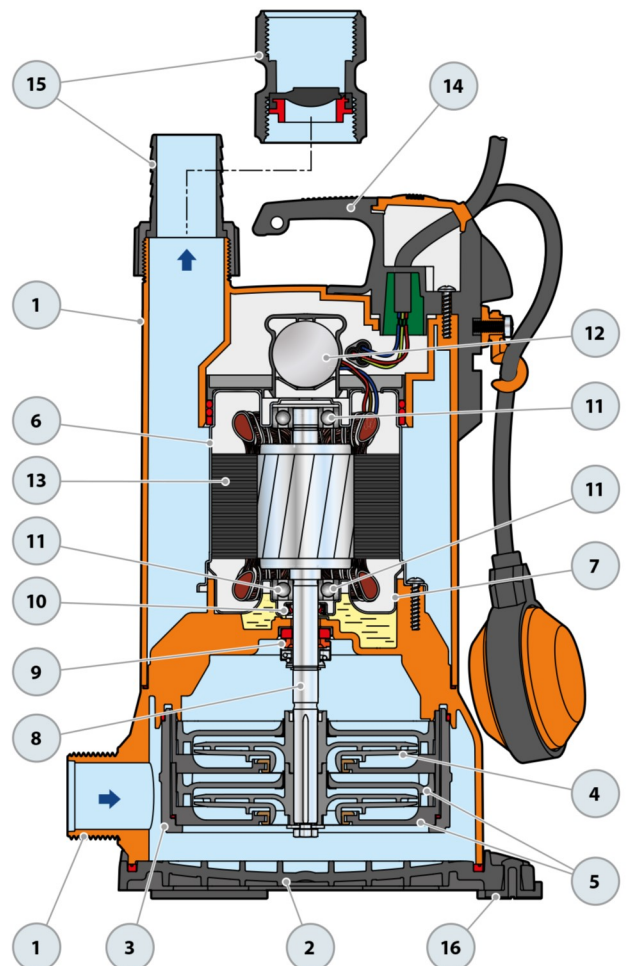
12	<b>CAPACITOR</b>	
<b>Capacitance</b>		
(230 V or 240 V)	(110 V)	
10 µF 450 VL	16 µF 250 VL	

13	<b>ELECTRIC MOTOR</b>	
<p><b>TOP MULTI 1-EVO:</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>		

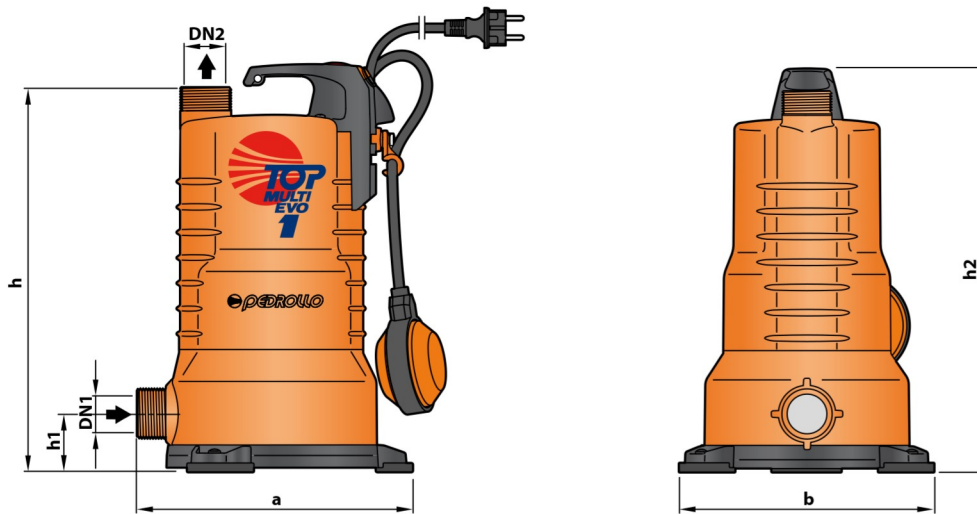
14	<b>HANDLE ASSEMBLY</b> (resin sealed)
<p>Complete with:</p> <ul style="list-style-type: none"> <li>– 10 metres long "H07 RN-F" power cable with Schuko plug</li> <li>– Float switch</li> </ul>	

15	<b>HOSE CONNECTOR WITH RING NUT</b>	Ø 35 mm hose connection
<b>PIPE COUPLING</b>		Threaded 1¼" in compliance with ISO 228/1, complete with flap-check valve
(Included in the equipment)		

16	<b>ANTI-VIBRATION FEET</b>	
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## DIMENSIONS AND WEIGHT



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

## ABSORPTION

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

## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
	n. pumps	n. pumps
Single-phase		
<b>TOP MULTI 1-EVO</b>	<b>45</b>	<b>60</b>



