

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 m³/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**



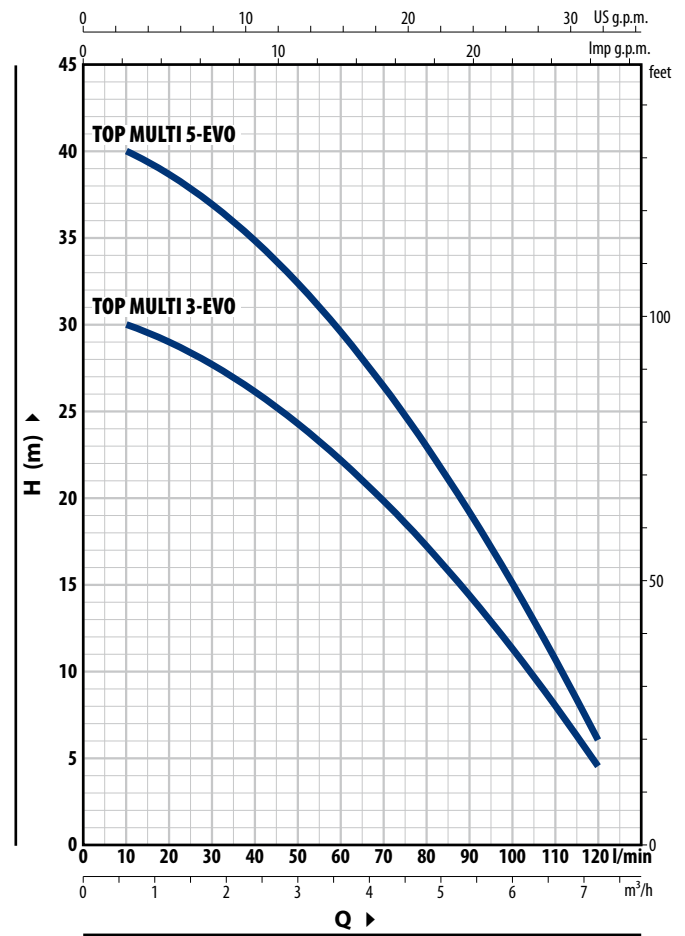
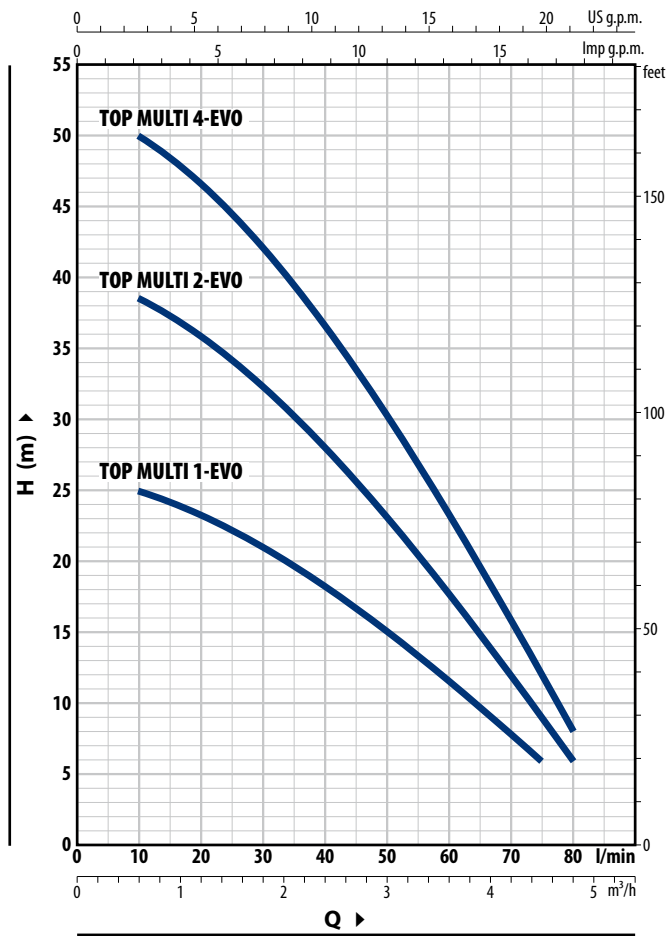
Kit includes:

- 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⁻¹



TOP MULTI-EVO 1 - 2 - 4

MODEL Single-phase	POWER (P ₂)		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 ₂)		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	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				
5	DIFFUSER AND STAGE BOXES	Noryl 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					
	<i>Seal</i>	<i>Shaft</i>	<i>Materials</i>			
	<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>	<i>Metals</i>
	STA-12R	Ø 12 mm	Ceramic	Graphite	NBR	AISI 304

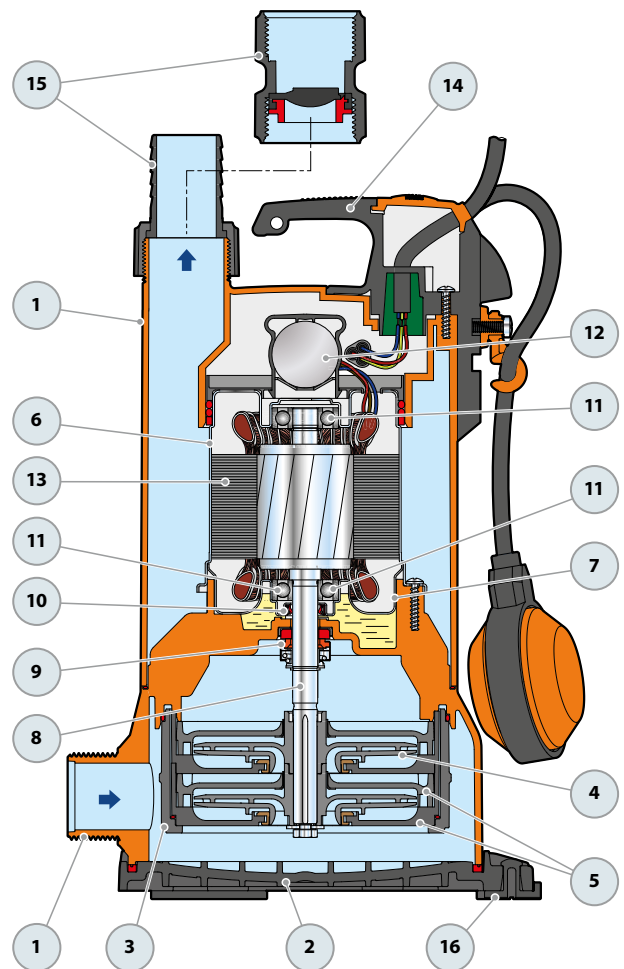
10	LIP SEAL	Ø 12 x Ø 19 x H 5 mm
11	BEARINGS	6201 ZZ - C3E / 6201 ZZ - C3E
12	CAPACITOR	
	<i>Capacitance</i>	
	(230 V or 240 V)	(110 V)
	10 µF 450 VL	16 µF 250 VL

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	

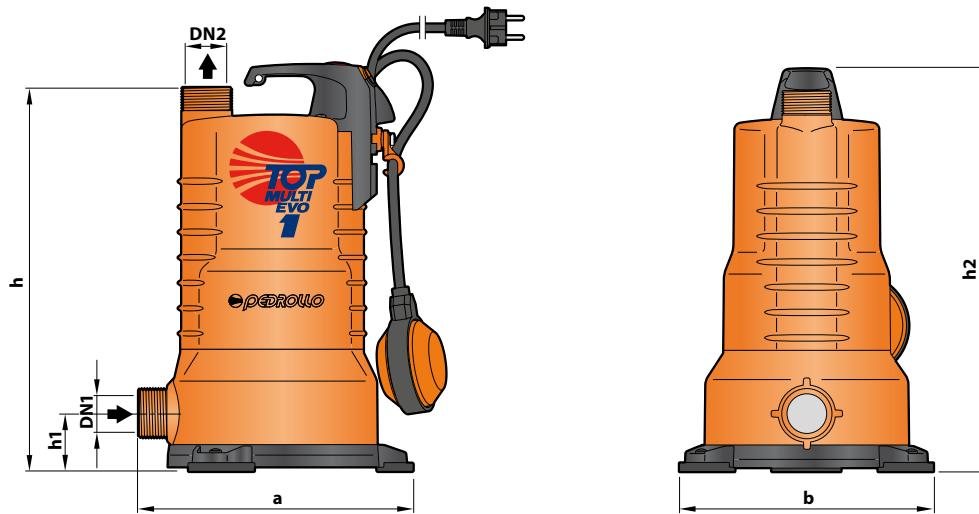
14	HANDLE ASSEMBLY (resin sealed)	
	Complete with:	
	– 10 metres long "H07 RN-F" power cable with Schuko plug	
	– Float switch	

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	
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DIMENSIONS AND WEIGHT



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

ABSORPTION

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

PALLETIZATION

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

TOP MULTI 2-3-4-5 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	VANE DIFFUSER	Glass fibre reinforced technopolymer
4	MOTOR CASING	Stainless steel AISI 304
5	IMPELLERS	Noryl
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 Model	Shaft Diameter	Position	Materials		
			Stationary ring	Rotational ring	Elastomer
STA-13R	Ø 13 mm	Motor side	Ceramic	Graphite	NBR
STA-13R SIC	Ø 13 mm	Pump side	Silicon carbide	Graphite	NBR

9 BEARINGS

Pump	Model
TOP MUTI 2-3 EVO	6202 ZZ - C3 / 6201 ZZ
TOP MUTI 4-5 EVO	6202 ZZ - EA3 / 6201 ZZ

10 CAPACITOR

Pump Single-phase	Capacitance	
	(230 V or 240 V)	(110 V)
TOP MUTI 2-3 EVO	12.5 µF 450 VL	30 µF 250 VL
TOP MUTI 4-5 EVO	14 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

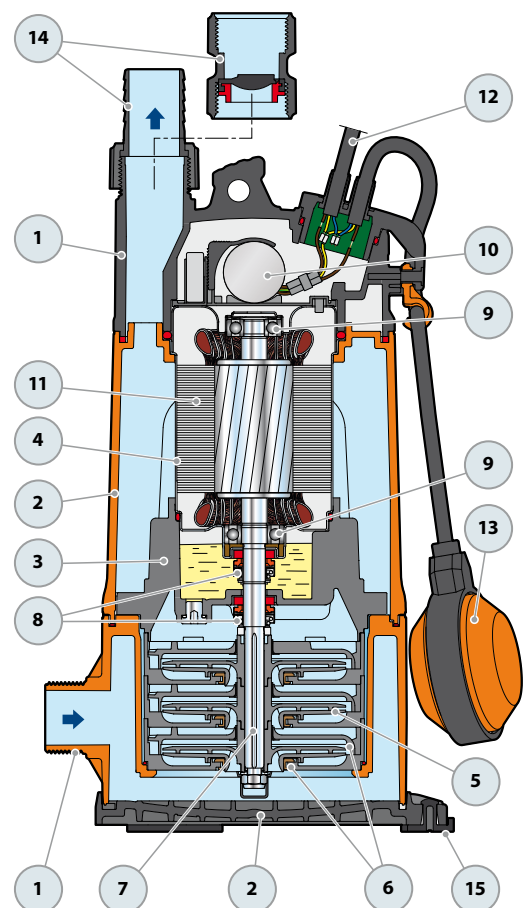
Ø 35 mm hose connection

PIPE COUPLING

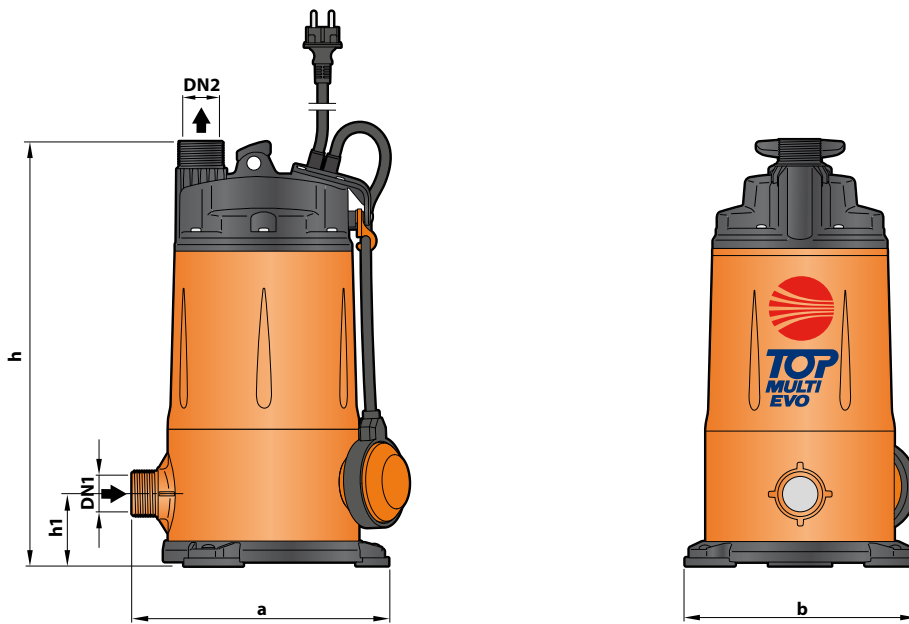
Threaded 1¼" in compliance with ISO 228/1, complete with flap-check valve

(Included in the equipment)

15 ANTI-VIBRATION SUPPORTS



DIMENSIONS AND WEIGHT



MODEL	PORTS		N. STAGES	DIMENSIONS mm				kg
	DN1	DN2		a	b	h	h1	
Single-phase								
TOP MULTI 2-EVO	1¼"	1¼"	3	239	216	394	68	9.9
TOP MULTI 3-EVO			4			428		9.9
TOP MULTI 4-EVO								10.4
TOP MULTI 5-EVO								10.4

ABSORPTION

MODEL	TENSIONE		
	230 V	240 V	110V
Single-phase			
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
TOP MULTI 4-EVO	3.9 A	3.7 A	8.0 A
TOP MULTI 5-EVO	3.9 A	3.7 A	8.0 A

PALLETIZATION

MODEL	PER GROUPAGE	CONTAINER
	n° pompe	n. pumps
Single-phase		
TOP MULTI 2-EVO	45	60
TOP MULTI 3-EVO	45	60
TOP MULTI 4-EVO	45	60
TOP MULTI 5-EVO	45	60

STANDARD INSTALLATION

