

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 m³/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
- Registered Trade Mark n° 0001334477 TOP MULTI®

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**



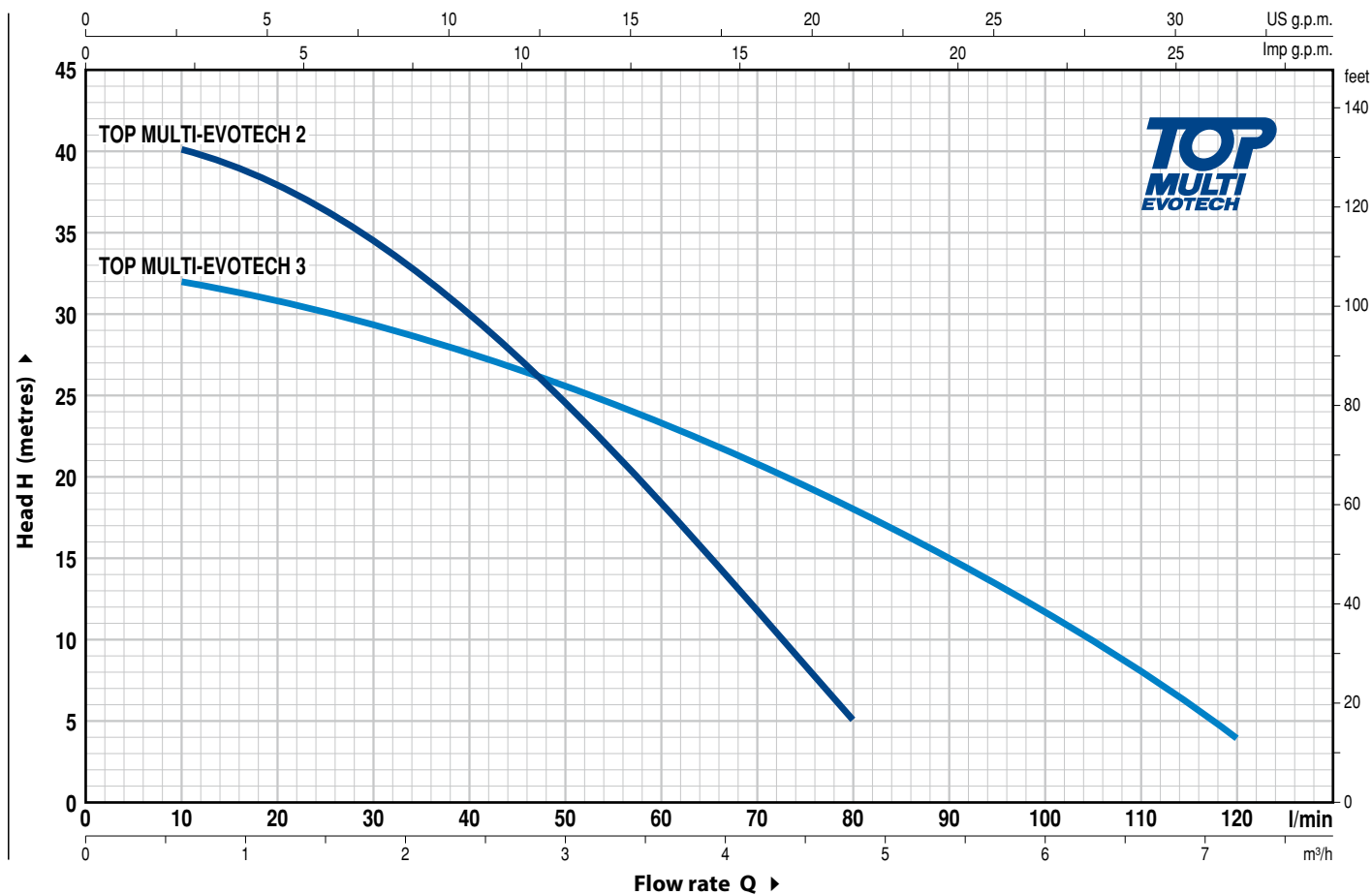
Kit includes:

- 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

60 Hz n= 3450 min⁻¹



MODEL Single-phase	POWER (P ₂)		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.

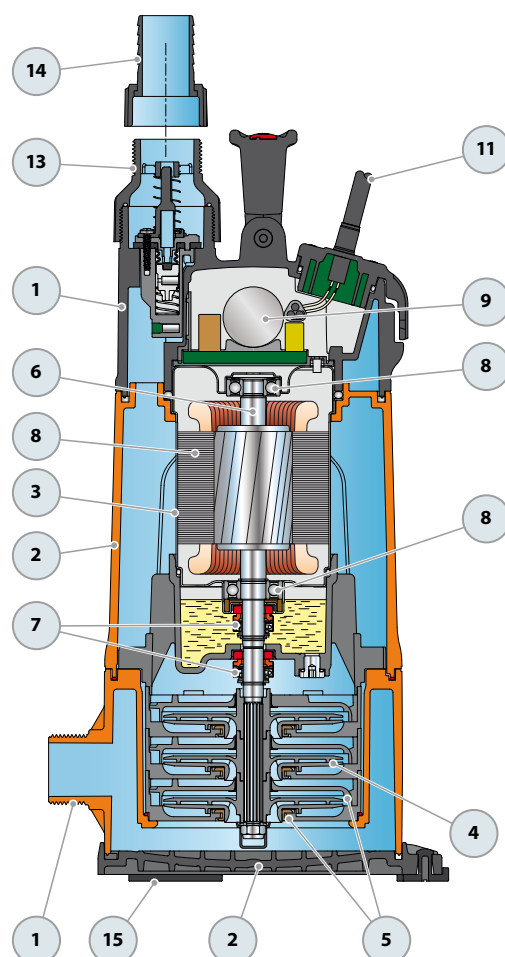
TOP MULTI-EVOTECH

POS. COMPONENT

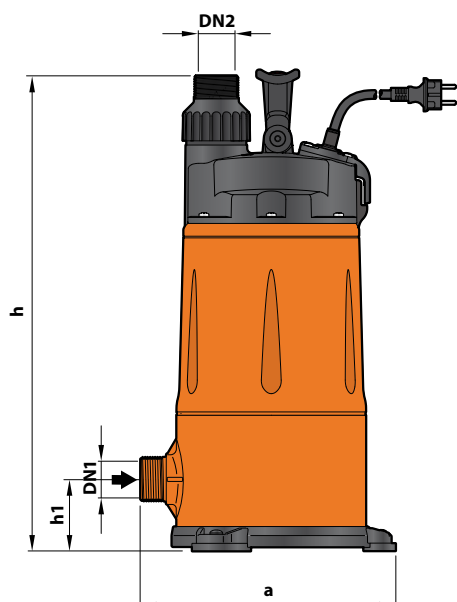
CONSTRUCTION CHARACTERISTICS

1	DELIVERY BODY AND SUCTION BODY	Glass fibre reinforced technopolymer				
2	PUMP BODY AND BASE	Glass fibre reinforced technopolymer				
3	MOTOR SLEEVE	Stainless steel AISI 304				
4	IMPELLERS	Noryl FE1520PW				
5	DIFFUSERS	Noryl FE1520PW complete with anti-wear ring				
6	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
7	ELECTRONIC DEVICE	<p>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.</p> <p>It protects the pump:</p> <ul style="list-style-type: none">– against dry running;– against blockage: after long periods of pump inactivity the electronic device starts the pump every 48 hours for 10 seconds.				
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					
	(220 V)	(110 V or 127 V)				
	12.5 µF - 450 VL	30 µF - 250 VL				
11	ELECTRIC MOTOR	<p>TOP MULTI-EVOTECH: single-phase 220 V - 60 Hz with thermal overload protector incorporated into the winding.</p> <ul style="list-style-type: none">– Insulation: class F– Protection: IP X8				
12	POWER CABLE	<p>"H07 RN-F" with Schuko plug</p> <p>Standard length 10 metres</p>				
13	THREADED CONNECTOR	Threaded connector 1¼"				
14	HOSE CONNECTOR WITH RING NUT	Ø 35 mm hose connection				
15	ANTI-VIBRATION SUPPORTS					

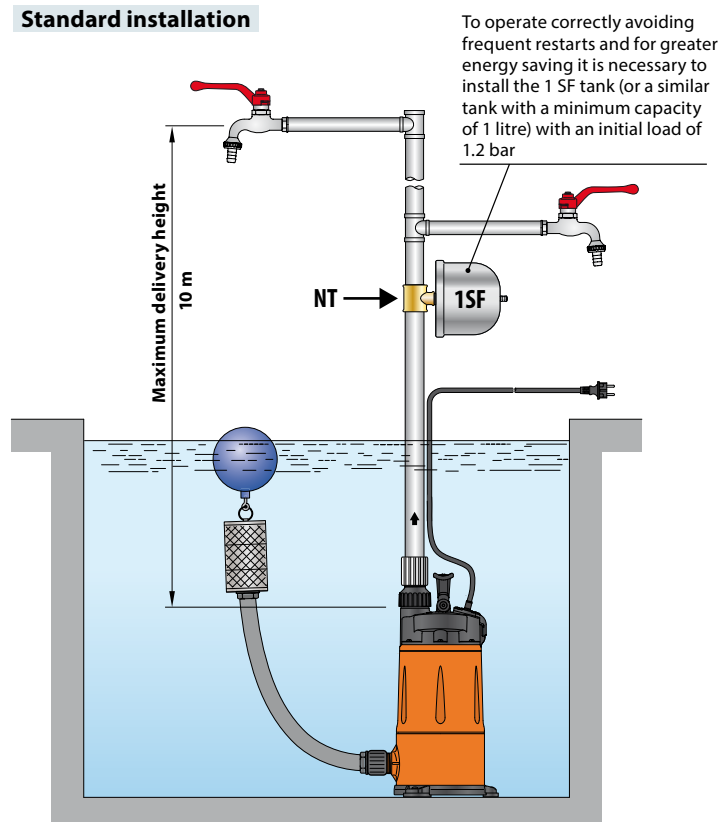
The diagram is a vertical cross-section of a pump assembly. At the top, a threaded connector (13) leads into a hose connector with a ring nut (14). Below this is the delivery body and suction body (1), which houses the pump body and base (2). The motor sleeve (3) is visible, containing the motor shaft (6) and the electronic device (7). The motor shaft is supported by bearings (9). The pump body contains the impellers (4) and diffusers (5). The entire assembly is mounted on anti-vibration supports (15). The diagram is color-coded: blue for the main body, orange for the base, and green for the motor components.



DIMENSIONS AND WEIGHT



Standard installation



MODEL	PORTS		N° STAGES	DIMENSIONS mm			kg
	DN1	DN2		a	h	h1	
Single-phase							
TOP MULTI 2-EVOTECH	1¼"	1¼"	3	239	442	68	9.9
TOP MULTI 3-EVOTECH							

ABSORPTION

MODEL	VOLTAGE		
	220 V	110 V	127 V
Single-phase			
TOP MULTI 2-EVOTECH	3.4 A	6.9 A	6.2 A
TOP MULTI 3-EVOTECH	3.4 A	7.0 A	6.0 A

PALLETIZATION

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