TOP MULTI

Submersible multi-stage pumps

Clean water

Domestic use

Civil use

TOP MULTI 1

TOP MULTI 2-3

PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m^3/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

CE

CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY

EAC

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

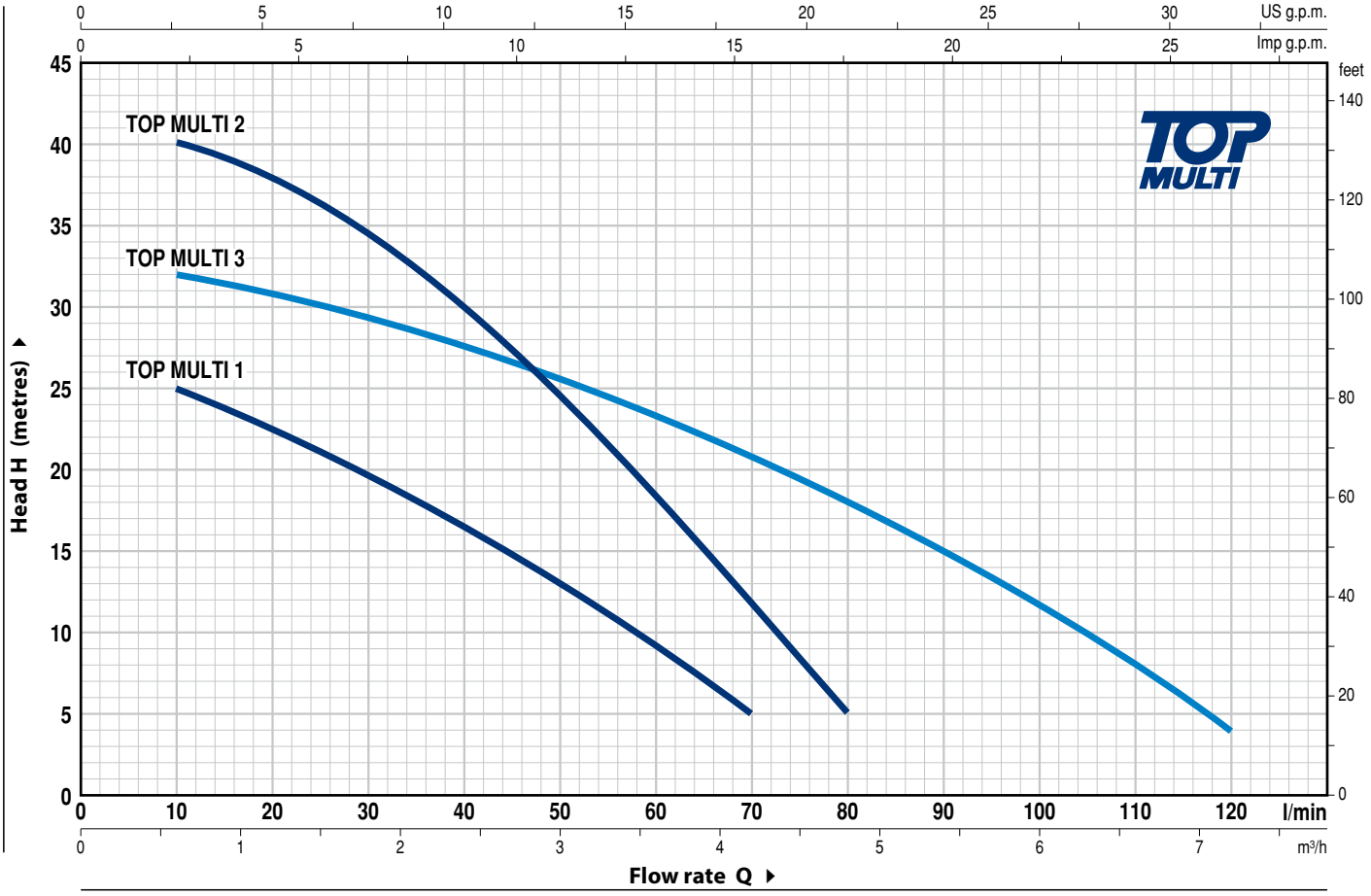
- Registered EU Design n. 000885587 for TOP MULTI 2-3
- Registered Trade Mark n. 0001334477 TOP MULTI®

OPTIONS AVAILABLE ON REQUEST

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min^{-1}



MODEL	POWER (P2)		Q	m³/h	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
Single-phase	kW	HP		l/min	**0**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**	**120**
TOP MULTI 1	0.37	0.50			27	25	22.5	19.5	16.5	13	9	5					
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.

TOP MULTI 1

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	**PUMP BODY**	Glass fibre reinforced technopolymer complete with threaded delivery port in compliance with ISO 228/1
2	**SUCTION FILTER**	Glass fibre reinforced technopolymer
3	**STAGE CASING**	Glass fibre reinforced technopolymer
4	**IMPELLER**	Noryl FE1520PW
5	**DIFFUSER**	Noryl FE1520PW complete with anti-wear ring
6	**VANE DIFFUSER**	Glass fibre reinforced technopolymer
7	**MOTOR CASING**	Stainless steel AISI 304
8	**MOTOR CASING PLATE**	Stainless steel AISI 304
9	**MOTOR SHAFT**	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
(220-230 V or 240 V)
10 µF 450 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

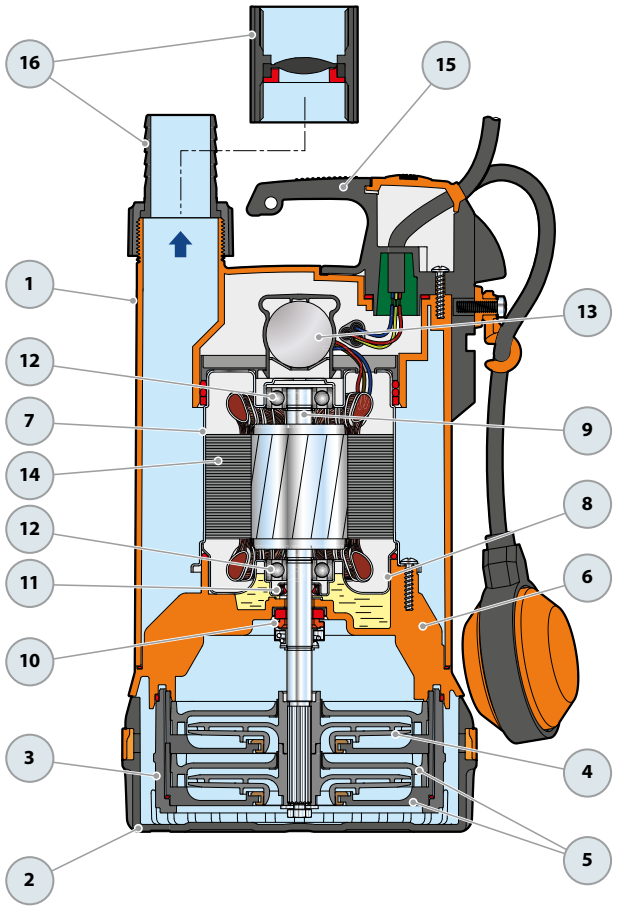
15 HANDLE ASSEMBLY (resin sealed)

Complete with:
– **10 metres** long "H07 RN-F" power cable with Schuko plug
– Float switch

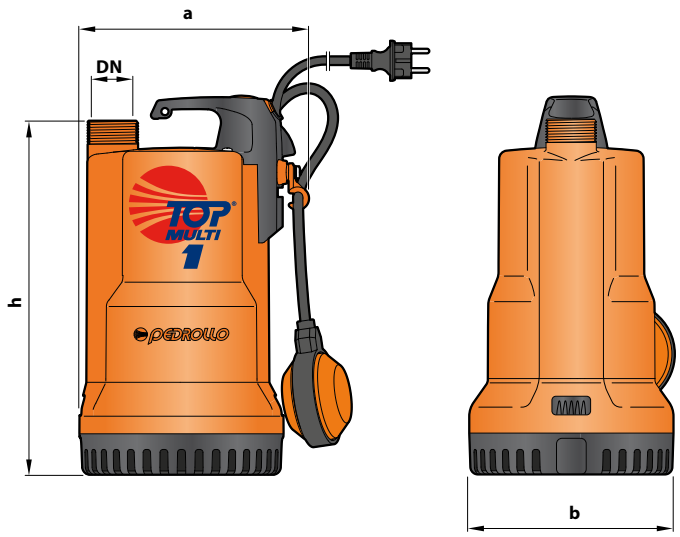
16 HOSE CONNECTOR WITH RING NUT
Ø 35 mm hose connection

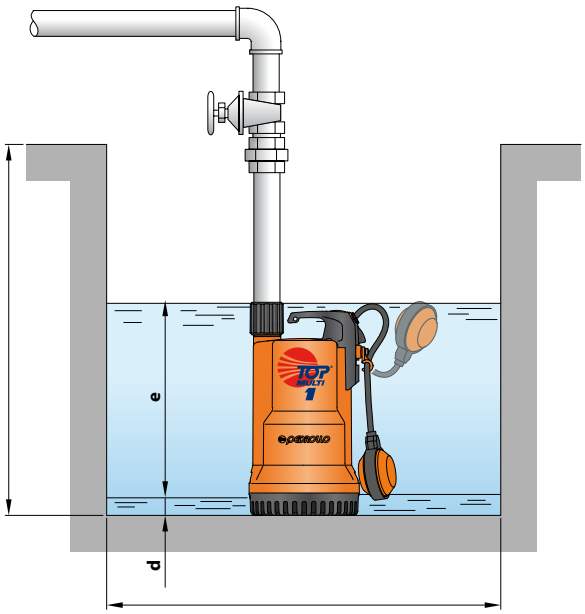
PIPE COUPLING
Threaded 1¼" in compliance with ISO 228/1, complete with flap-check valve

(Included in the equipment)



DIMENSIONS AND WEIGHT





MODEL	PORT	N. STAGES	DIMENSIONS mm							kg
Single-phase	DN		a	b	h	d	e	p	⍁	
TOP MULTI 1	**1¼"**	2	177	170	295	25	variable	350	350	**6.8**

ABSORPTION

MODEL	VOLTAGE	
Single-phase	230 V	240 V
TOP MULTI 1	**2.0** A	**1.9** A

PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP MULTI 1	**60**	**120**

TOP MULTI 2-3

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	**DELIVERY BODY**	Glass fibre reinforced technopolymer complete with threaded delivery port in compliance with ISO 228/1
2	**PUMP BODY AND SUCTION FILTER**	Glass fibre reinforced technopolymer
3	**MOTOR SLEEVE**	Stainless steel AISI 304
4	**IMPELLERS**	Noryl FE1520PW
5	**DIFFUSERS**	Noryl complete with anti-wear ring
6	**MOTOR SHAFT**	Stainless steel AISI 431

7 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

8 BEARINGS — **6202 ZZ - C3 / 6201 ZZ**

9 CAPACITOR

Capacitance

(220-230 V o 240 V)	*(110 V)*
12.5 µF 450 VL	**25** µF - 250 VL

10 ELECTRIC MOTOR

TOP MULTI: single-phase 220-230 V - 50 Hz
with thermal overload protector incorporated into the winding.
– Insulation: class F
– Protection: IP X8

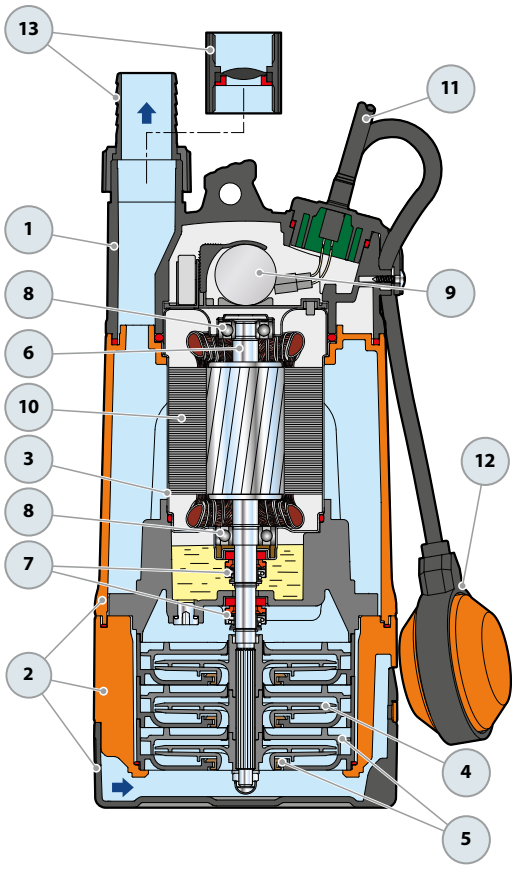
11 POWER CABLE
"H07 RN-F" with Schuko plug
Standard length 10 metres

12 FLOAT SWITCH

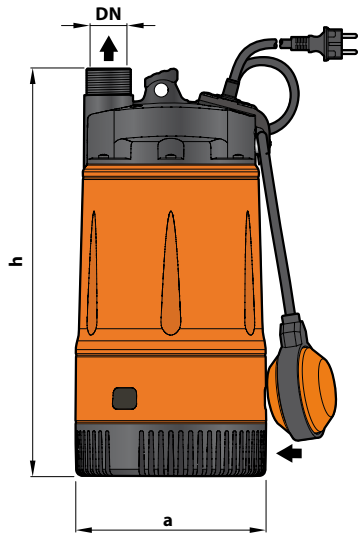
13 HOSE CONNECTOR WITH RING NUT
Ø 35 mm hose connection

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

(Included in the equipment)



DIMENSIONS AND WEIGHT



MODEL	PORT	N. STAGES	DIMENSIONS mm		kg
Single-phase	DN		a	h	
TOP MULTI 2	1¼"	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**

Standard installation