TOP-FLOOR

Submersible DRAINAGE pumps

Clear water

Domestic use

PERFORMANCE RANGE

- Flow rate up to **160 l/min** (9.6 m³/h)
- Head up to **9 m**

APPLICATION LIMITS

- **3 m** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C** (Maximum liquid temperature +90 °C for a maximum of 3 minutes intermittent service)
- Passage of suspended solids up to **Ø 2 mm**
- Suction down to **2 mm** above ground level
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

The pumps are complete with a **5 m** power cable

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
ISO 14001: ENVIRONMENT AND SAFETY

EAC

INSTALLATION AND USE

The **TOP-FLOOR** series is suitable for use with **clear water** that does not contain abrasive particles.
Because of their ability to drain water to a level of 2 millimetres above ground level, they are suitable for use in domestic emergencies where a small area must be drained to the lowest possible level.

PATENTS - TRADE MARKS - MODELS

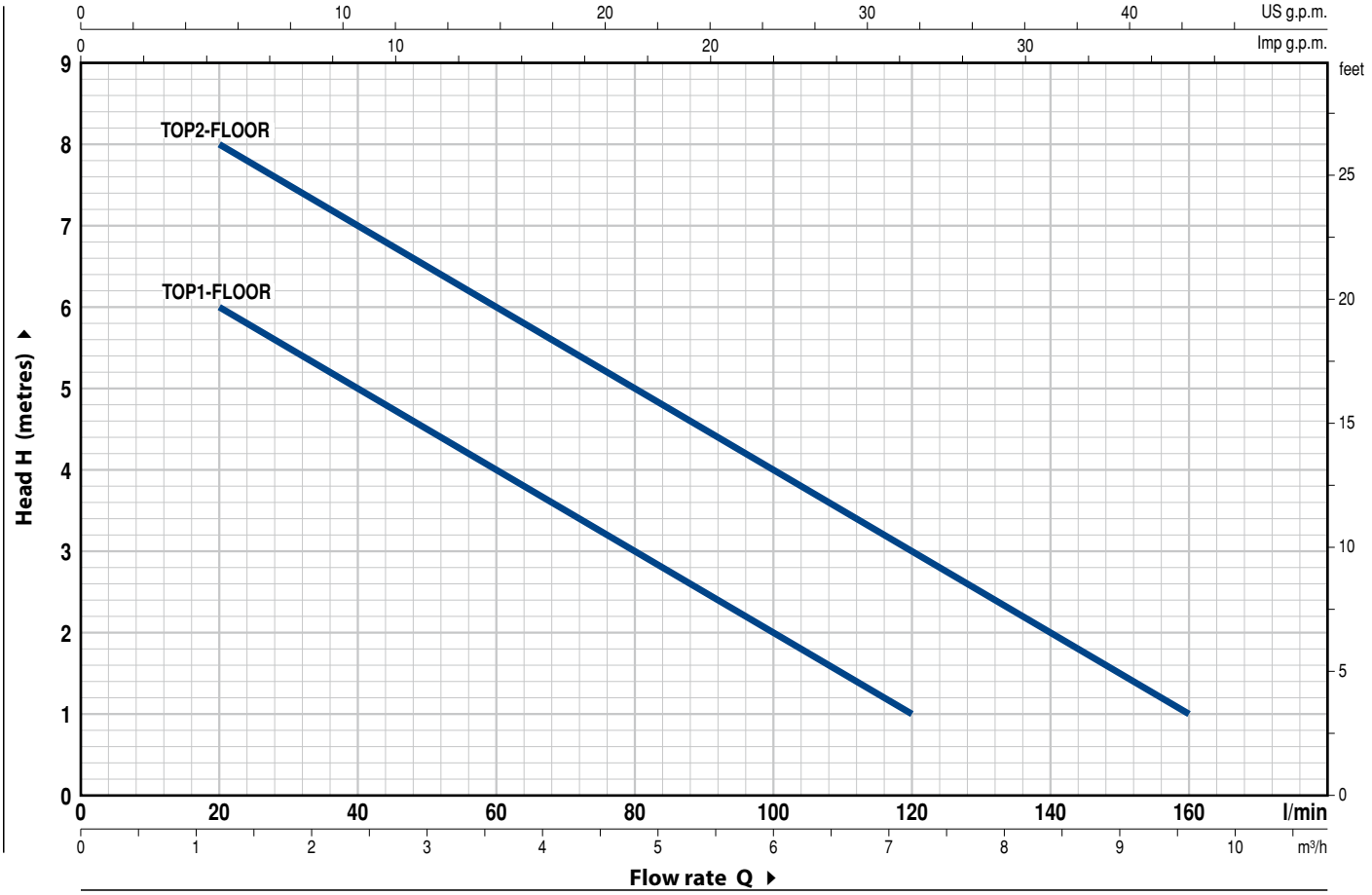
- Registered EU Design n. 342159-0011

OPTIONS AVAILABLE ON REQUEST

- Pumps with float switch
- Special mechanical seal
- Pumps with a **10 m** long power cable.
  ➠ N.B.: Standard EN 60335-2-41 states that the power cable must be 10 m long for outdoor applications
- Other voltages or 60 Hz frequency

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 rpm



MODEL	POWER (P2)		Q									
Single-phase	kW	HP	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6
			l/min	**0**	**20**	**40**	**60**	**80**	**100**	**120**	**140**	**160**
TOP 1-FLOOR	0.25	0.33	**H** metres	7	6	5	4	3	2	1		
TOP 2-FLOOR	0.37	0.50		9	8	7	6	5	4	3	2	1

Q = Flow rate **H** = Total manometric head

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

TOP-FLOOR

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	**PUMP BODY**	Technopolymer
2	**SUCTION FILTER**	Technopolymer
3	**SUCTION PLATE**	Stainless steel AISI 304
4	**DIFFUSER**	Technopolymer
5	**IMPELLER**	Noryl FE1520PW
6	**MOTOR CASING**	Stainless steel AISI 304
7	**MOTOR CASING PLATE**	Stainless steel AISI 304
8	**MOTOR SHAFT**	Stainless steel EN 10088-3 - 1.4104
9	**SHAFT WITH DOUBLE SEAL AND OIL CHAMBER**	

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

10	**LIP SEAL**	**Ø 12** x **Ø 19** x **H 5** mm
11	**BEARINGS**	**6201 ZZ / 6201 ZZ**

12 CAPACITOR

Pump	***Capacitance***	
Single-phase	***(230 V or 240 V)***	***(110 V)***
TOP 1-FLOOR	**10** µF 450 VL	**16** µF - 250 VL
TOP 2-FLOOR	**10** µF 450 VL	**16** µF - 250 VL

13 ELECTRIC MOTOR

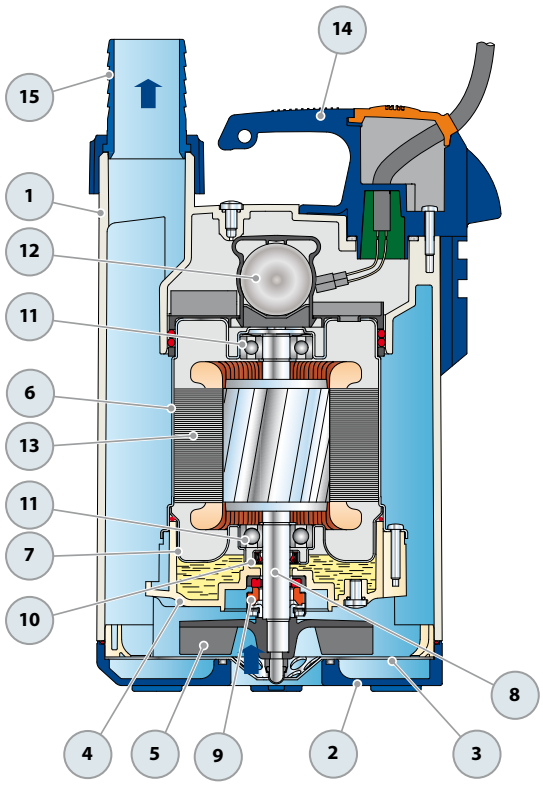
TOP-FLOOR: single-phase 230 V - 50 Hz
with thermal overload protector incorporated into the winding.
– Insulation: class F
– Protection: IP X8

14 HANDLE ASSEMBLY (resin sealed)

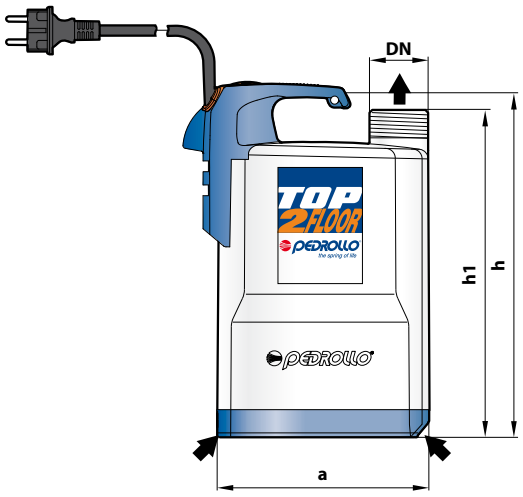
Complete with 5 metres long "H07 RN-F" **power c**able with Schuko plug

15 HOSE CONNECTOR WITH RING NUT

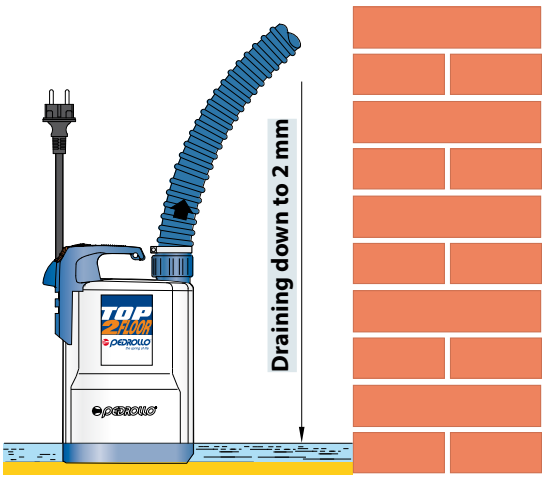
Ø 25 mm hose connection for TOP1 - FLOOR
Ø 35 mm for TOP2 - FLOOR



DIMENSIONS AND WEIGHT



Standard installation



MODEL	PORT	DIMENSIONS mm			Minimum drying level	kg
Single-phase	DN	a	h	h1		
TOP 1-FLOOR	1¼"	152	257	237	2 mm	5.0
TOP 2 -FLOOR						5.0

ABSORPTION

MODEL	VOLTAGE		
Single-phase	230 V	240 V	110 V
TOP 1-FLOOR	**1.5** A	**1.4** A	**3.0 A**
TOP 2-FLOOR	**2.0** A	**1.9** A	**5.3 A**

PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP 1-FLOOR	**96**	**144**
TOP 2-FLOOR	**96**	**144**