TOP-FLOOR

Submersible DRAINAGE pumps

➠ *for clear water*

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

Complete with **5 m** long 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 BY DNV
ISO 9001: QUALITY
ISO 14001: ENVIRONMENT AND SAFETY

АИ30

ПРОМТЕСТ - 168

INSTALLATION AND USE

The **TOP-FLOOR** series is suitable for use with **clear water** that does not contain abrasive particles.
As a result 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 level possible.

PATENTS - TRADE MARKS - MODELS

- Registered Community Design n° 342159-0011

OPTIONALS AVAILABLE ON REQUEST

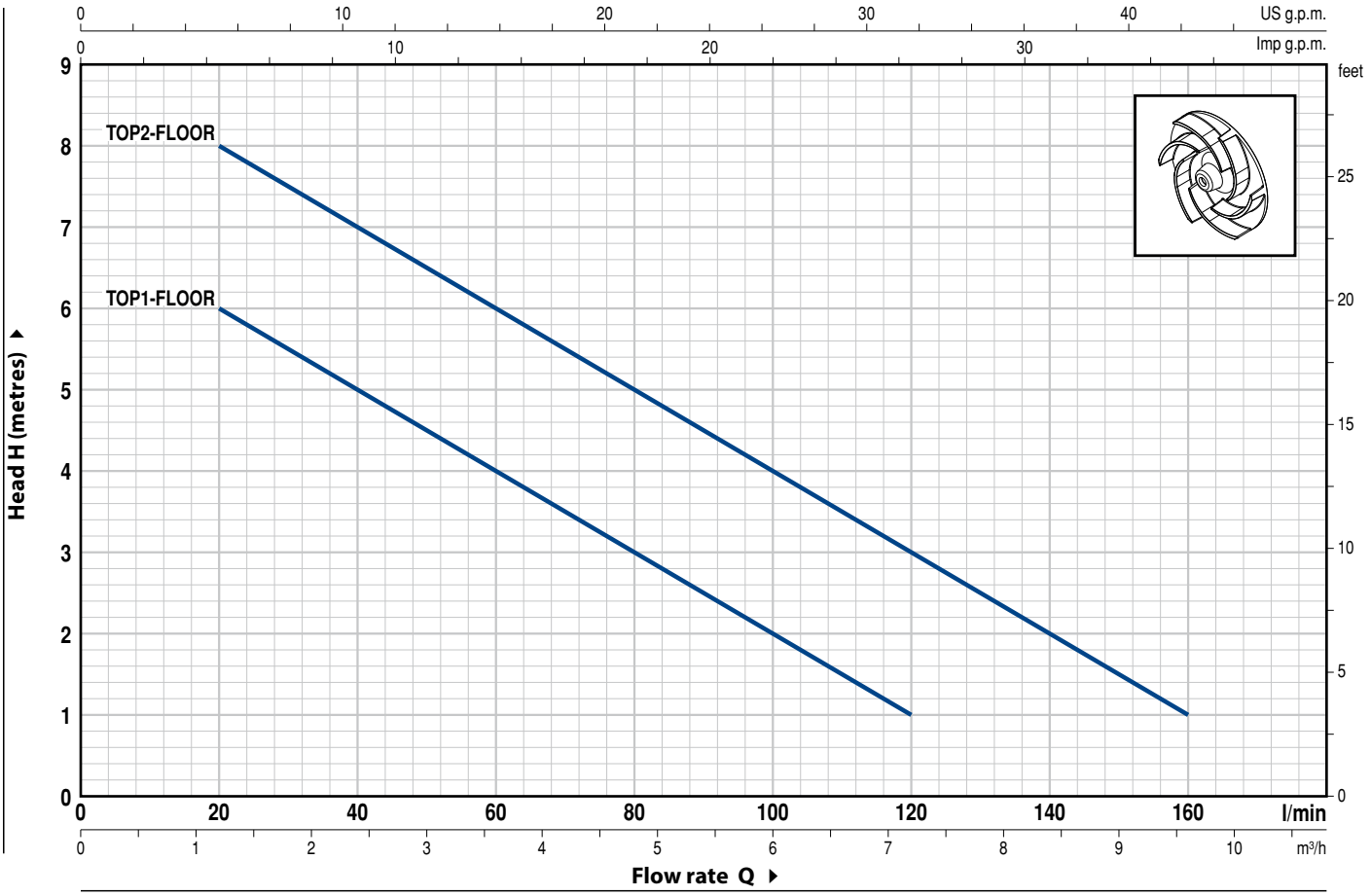
- Pumps with float switch
- Special mechanical seal
- Pumps with a **10 m** long power cable
  - ➠ N.B. Standard EN 60335-2-41 states that the power cable must be 10 m long for outdoor applications
- Other voltages or 60 Hz frequency

GUARANTEE

1 year subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



MODEL	POWER		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**
TOP1-FLOOR	0.25	0.33	**H** metres	7	6	5	4	3	2	1		
TOP2-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 3.

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 GFN2V
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*
AR-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)*
TOP1-FLOOR	**10** µF 450 VL	**16** µF 250 VL
TOP2-FLOOR	**10** µF 450 VL	**16** µF 250 VL

13 ELECTRIC MOTOR

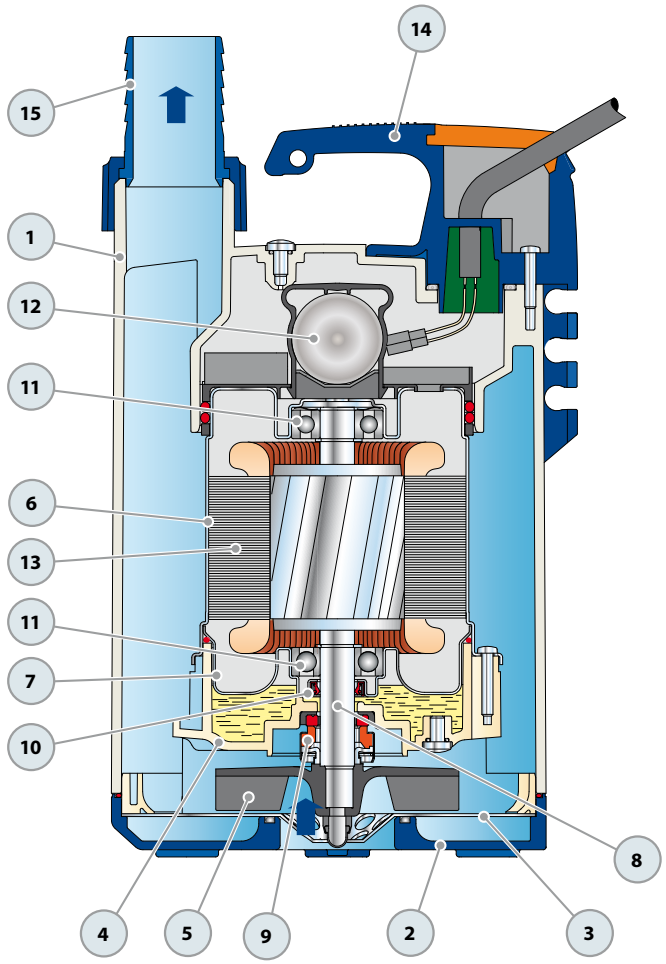
– Single-phase 230 V - 50 Hz
with thermal overload protector built-in to the winding
– Insulation: F class
– Protection: IP X8

14 HANDLE ASSEMBLY (resin sealed)

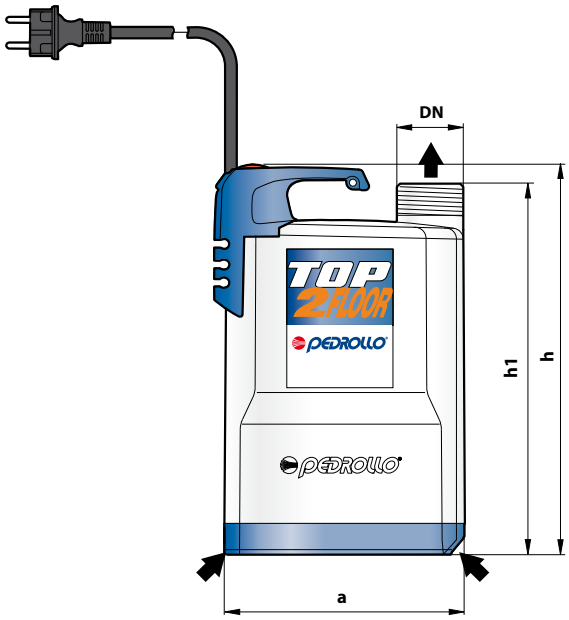
Complete with **5 metre** long "H07 RN-F" power cable with Schuko plug

15 HOSE CONNECTOR WITH UNION

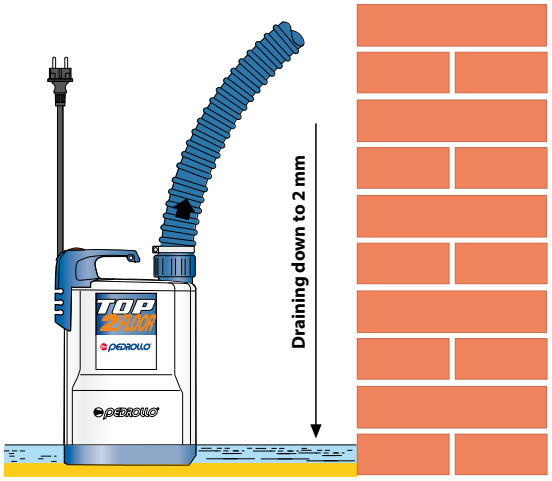
Ø 25 mm hose connection for TOP1 - FL00R
Ø 35 mm for TOP2 - FL00R



DIMENSIONS AND WEIGHT



Typical installation



MODEL	PORT	DIMENSIONS mm			Minimum drying level	kg
Single-phase	DN	a	h	h1		
TOP1-FLOOR	1¼"	152	257	237	2 mm	**4.3**
TOP2 -FLOOR						**5.0**

ABSORPTION

MODEL	VOLTAGE (single-phase)		
Single-phase	230 V	240 V	110 V
TOP1-FLOOR	**1.4** A	**1.3** A	**3.0** A
TOP2-FLOOR	**2.0** A	**2.0** A	**5.3** A

PALLETIZATION

MODEL	GROUPAGE			CONTAINER		
Single-phase	n° pumps	H (mm)	kg	n° pumps	H (mm)	kg
TOP1-FLOOR	**96**	1260	430	**168**	2100	739
TOP2 -FLOOR	**96**	1260	500	**168**	2100	862