

RX-GM "VORTEX"

Submersible pumps

► for dirty water



Version with vertical magnetic float switch



PERFORMANCE RANGE

- Flow rate up to **180 l/min** (10.8 m³/h)
- Head up to **9 m**

APPLICATION LIMITS

- **10 m** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C**
- Solids passage up to **Ø 20 mm**
- Suction down to **25 mm** above ground level
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

Complete with:

- **5 m** long power cable
- vertical magnetic float switch

EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3



CERTIFICATIONS

COMPANY WITH MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001: QUALITY
ISO 14001: ENVIRONMENT AND SAFETY



A130



ПР0МТЕСТ-168

INSTALLATION AND USE

The **RX-VORTEX/GM** series pumps are suitable for use with **dirty water** that does not contain abrasive particles and comes complete with a vertical float switch meaning that the pumps **can be used in particularly small spaces**.

The design solutions that have been adopted, such as the complete cooling of the motor, guarantee the reliability of the pump. They are suitable for use in domestic applications such as for discharging dirty water containing suspended solids.

PATENTS - TRADE MARKS - MODELS

- Registered Community Design n° 342159-0013

OPTIONALS AVAILABLE ON REQUEST

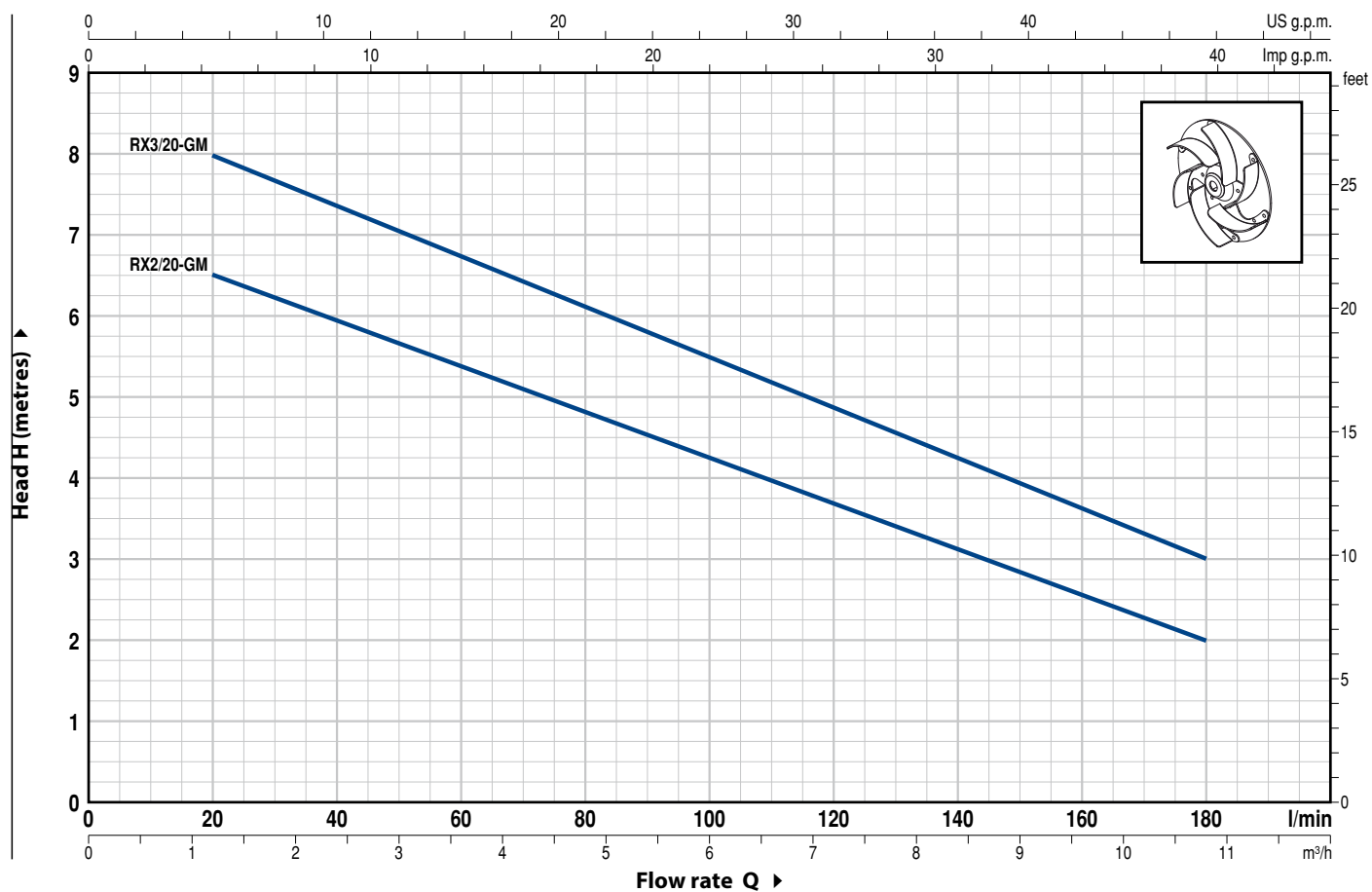
- Special mechanical seal
- Pumps with a **10 m** long power cable
 - N.B. Standard EN 60335-2-41 states that the power cable must be 10 m long for outdoor applications
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



MODEL	POWER		Q	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
	kW	HP		0	20	40	60	80	100	120	140	160	180
Single-phase													
RXm 2/20-GM	0.37	0.50	H metres	7	6.5	6	5.4	4.8	4.3	3.7	3.1	2.5	2
RXm 3/20-GM	0.55	0.75		9	8	7.5	6.5	6	5.5	4.7	4.2	3.5	3

Q = Flow rate H = Total manometric head

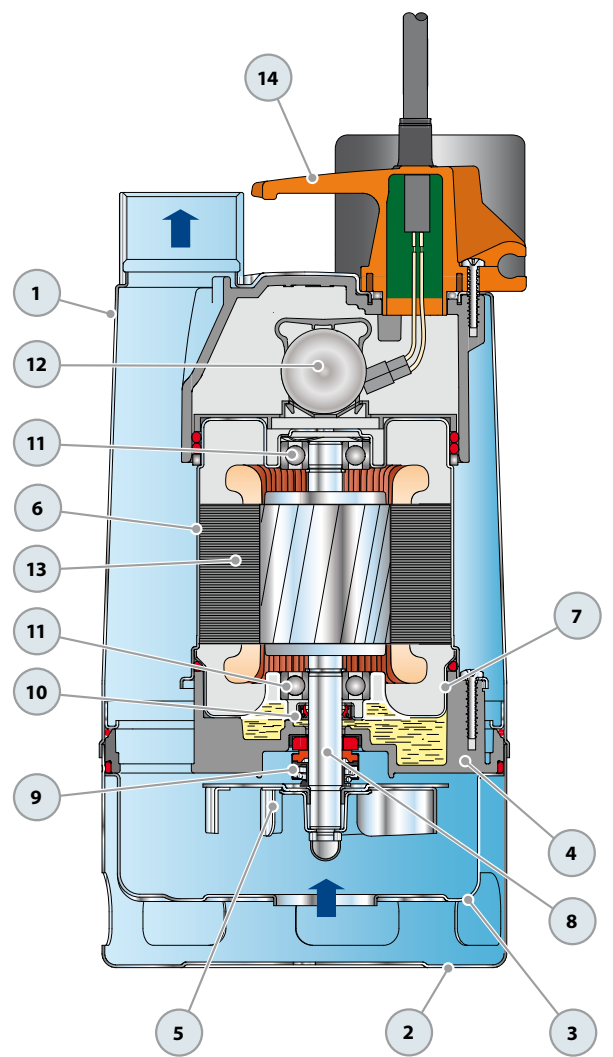
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3.

RX-GM "VORTEX"

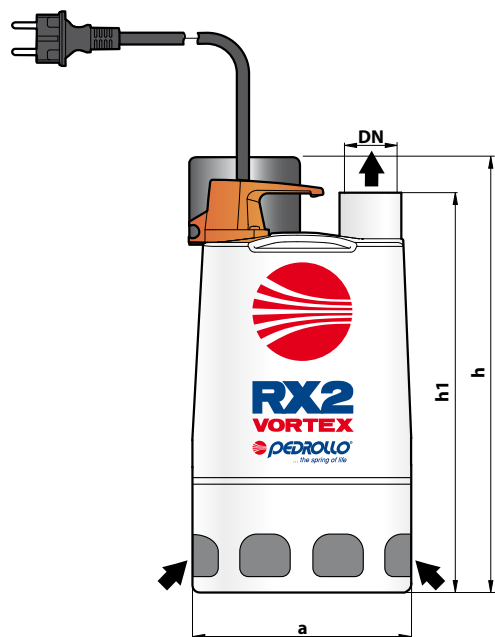
POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS			
1	PUMP BODY	Stainless steel AISI 304, with threaded port in compliance with ISO 228/1			
2	SUCTION FILTER	Stainless steel AISI 304			
3	SUCTION PLATE	Stainless steel AISI 304			
4	DIFFUSER	Technopolymer			
5	IMPELLER	Stainless steel AISI 304 VORTEX type			
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				
	<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>
	AR-12R SIC	Ø 12 mm	Ceramic	Silicon carbide	NBR
10	LIP SEAL	Ø 12 x Ø 19 x H 5 mm			
11	BEARINGS	6201 ZZ / 6201 ZZ			
12	CAPACITOR				
	<i>Pump</i>	<i>Capacitance</i>			
	<i>Single-phase</i>	<i>(230 V or 240 V)</i>	<i>(110 V)</i>		
	RXm 2/20-GM	10 µF 450 VL	16 µF 250 VL		
	RXm 3/20-GM	14 µF 450 VL	16 µF 250 VL		

13	ELECTRIC MOTOR
	<ul style="list-style-type: none"> - Single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding - Insulation: F class. - Protection: IP X8.

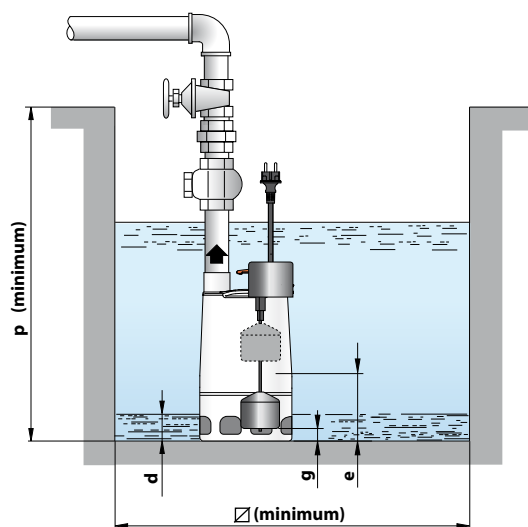
14 HANDLE ASSEMBLY (resin sealed)
 Complete with:
 - **5 metre** long "H07 RN-F" power cable with Schuko plug
 - Float switch.



DIMENSIONS AND WEIGHT



Typical installation



MODEL	PORT	DIMENSIONS mm							kg	
		a	h	h1	d	e	d	p		□
Single-phase	DN									
RXm 2/20-GM	1 1/4"	147	305	278	25	180	50	350	240	6.2
RXm 3/20-GM			335	308		210	80			8.0

ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
Single-phase			
RXm 2/20-GM	2.6 A	2.6 A	6.5 A
RXm 3/20-GM	3.2 A	3.2 A	7.5 A

PALLETIZATION

MODEL	GROUPAGE			CONTAINER		
	n° pumps	H (mm)	kg	n° pumps	H (mm)	kg
Single-phase						
RXm 2/20-GM	60	1489	396	75	1844	489
RXm 3/20-GM	60	1696	504	75	2084	624

