

Submersible pumps

-  Filthy water
-  Domestic use
-  Civil use
-  Industrial use



PERFORMANCE RANGE

- Flow rate and Head up to:
 - **105 US g.p.m.** and **36 feet** for VX 10/35-N
 - **92 US g.p.m.** and **29 feet** for VX 8/35-N

APPLICATION LIMITS

- **16 feet** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **100 °F**
- Passage of solids:
 - up to **Ø 40 mm**
- Minimum immersion depth for continuous service:
 - **280 mm**

CONSTRUCTION AND SAFETY STANDARDS

- Power cable length:
 - **16 feet**
- Float switch for single-phase versions

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
ISO 14001: ENVIRONMENT

INSTALLATION AND USE

VX pumps are recommended for domestic, civil and industrial applications in all cases where the water contains suspended solids up to Ø 40 mm, for example **groundwater, surface water, filthy and dirty water**.

They are for example suitable for draining flooded areas such as cellars, underground car parks, car washes, for emptying cesspools and for sewage disposal.

These pumps distinguish themselves for their reliability, which can be best appreciated under automatic operating conditions in fixed installations.

PATENTS - TRADE MARKS - MODELS

- Patent Pending n. BO2015A000116

OPTIONS AVAILABLE ON REQUEST

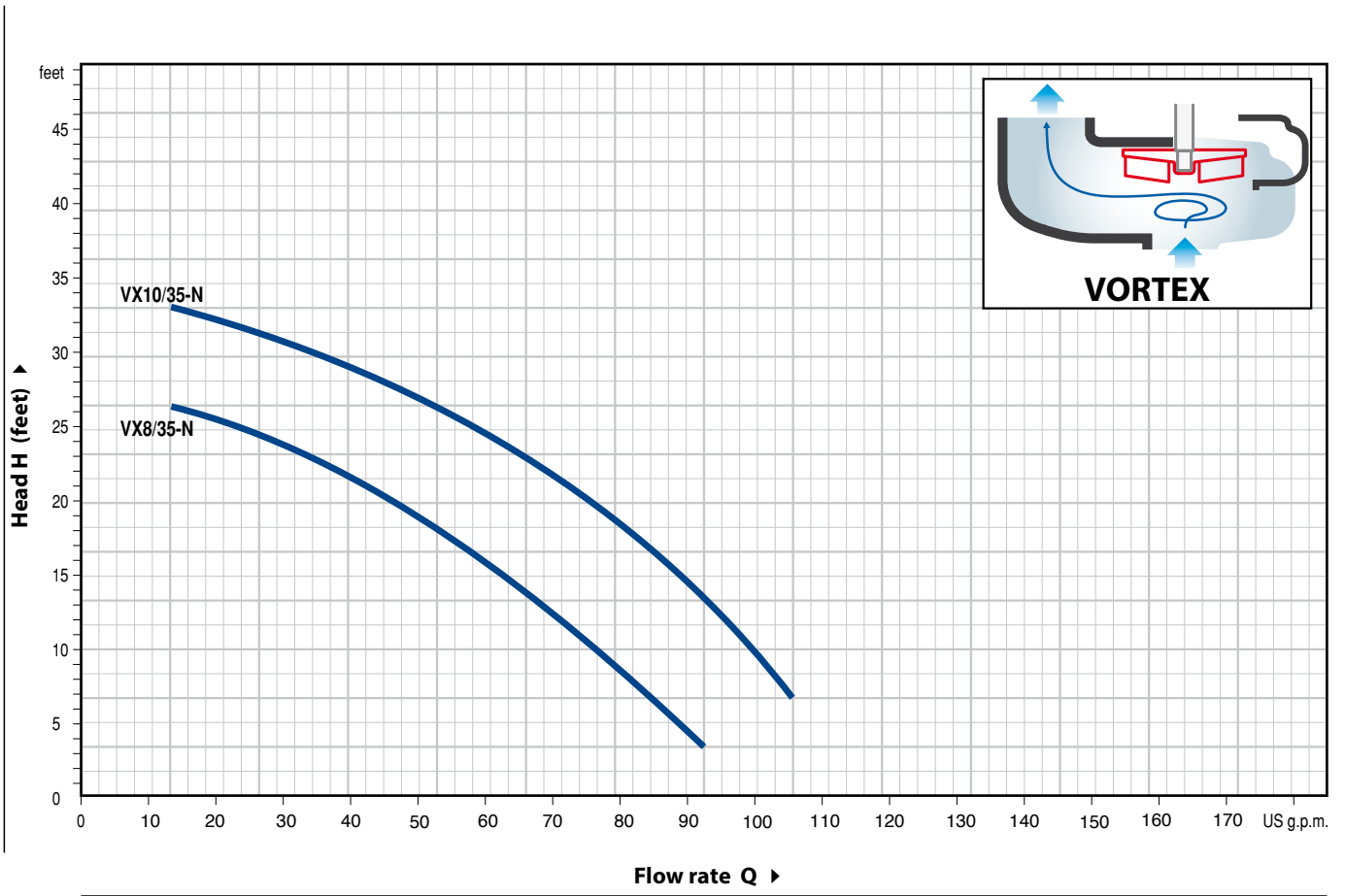
- VX8-10 pumps with a **32 feet** power cable.
 - ➔ N.B.: Standard EN 60335-2-41 states that the power cable must be 32 feet long for outdoor applications
- Single-phase pumps without float switch
- Other voltages

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

60 Hz n= 3450 rpm



MODEL		POWER (P ₂)		Q US g.p.m.	0	13	26	52	79	92	105
Single-phase	Three-phase	kW	HP								
VXm 8/35 -N	VX 8/35 -N	0.55	0.75	H feet	29	26	24	18	8	3	
VXm 10/35-N	VX 10/35 -N	0.75	1		36	32	31	26	18	13	6

Q = Flow rate H = Total manometric head

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

POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1 PUMP BODY	Cast iron with an Epoxy Electro Coating treatment, with threaded port in compliance with ISO 228/1
2 BASE	Stainless steel AISI 304
3 IMPELLER	Stainless steel AISI 304 VORTEX type
4 MOTOR CASING	Stainless steel AISI 304
5 MOTOR CASING PLATE	Stainless steel AISI 304
6 MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104

7 SHAFT WITH DOUBLE MECHANICAL SEAL SEPARATED BY AN OIL CHAMBER

<i>Seal Model</i>	<i>Shaft Diameter</i>	<i>Position</i>	<i>Materials</i>		
			<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
MG1-14D SIC	Ø 14 mm	Motor side	Silicon carbide	Graphite	NBR
		Pump side	Silicon carbide	Silicon carbide	NBR

8 BEARINGS 6203 ZZ / 6203 ZZ

9 CAPACITOR

<i>Pump Single-phase</i>	<i>Capacitance (230 V) (115 V or 127 V)</i>	
VXm 8/35-N	20 µF 450 VL	30 µF - 250 VL
VXm 10/35-N		

10 ELECTRIC MOTOR

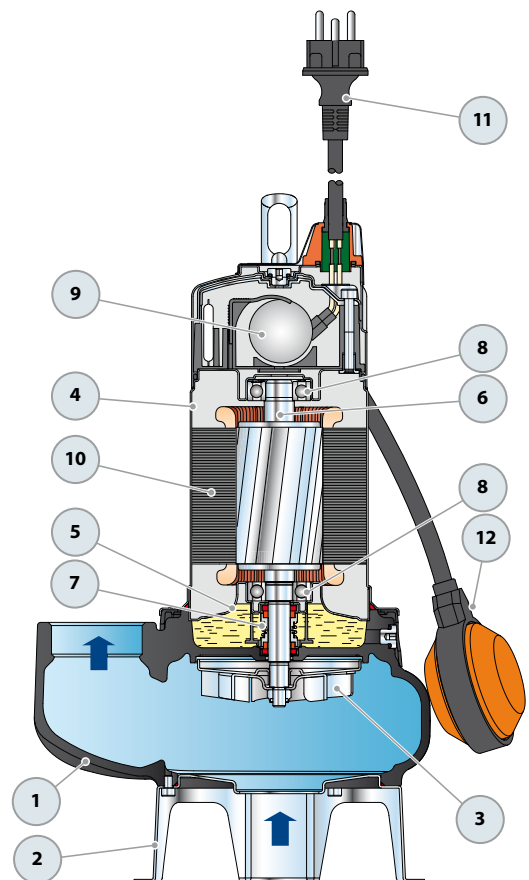
VXm: single-phase 230 V - 60 Hz
with thermal overload protector incorporated into the winding
VX: three-phase 460 V - 60 Hz
– Insulation: class F
– Protection: IP X8

11 POWER CABLE

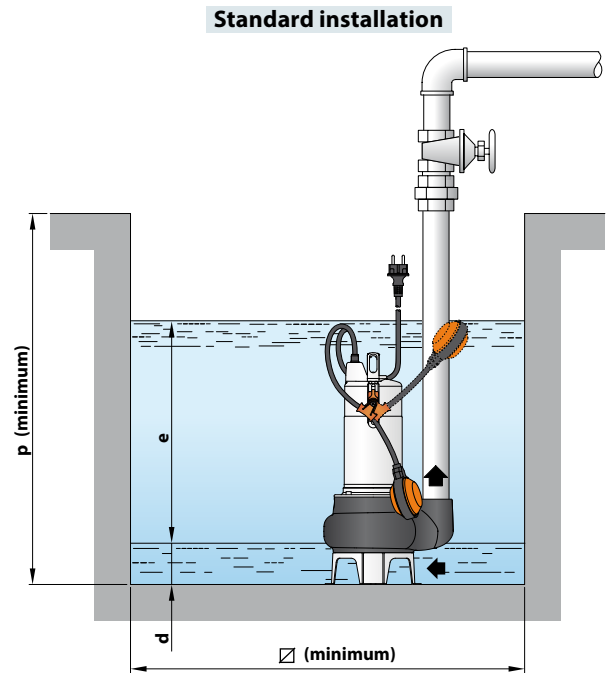
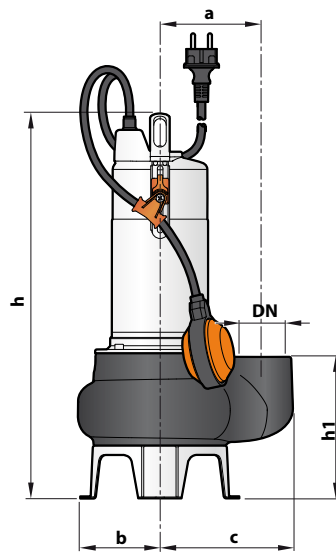
“H07 RN-F” type
(with electrical plug for single-phase versions only)
Standard length 16 feet

12 FLOAT SWITCH

(only for single-phase versions)



DIMENSIONS AND WEIGHT



MODEL		PORT in DN	Passage of solids	DIMENSIONS mm									lb	
Single-phase	Three-phase			a	b	c	h	h1	d	e	p	∅	1~	3~
VXm 8/35 -N	VX 8/35 -N	1½"	Ø 40 mm	115	95	148	406	139	50	variable	500	500	28.4	27.8
VXm 10/35 -N	VX 10/35 -N												30.2	27.8

ABSORPTION

MODEL	VOLTAGE		
	230 V	115 V	127 V
Single-phase			
VXm 8/35 -N	3.8 A	7.6 A	7.0 A
VXm 10/35 -N	5.6 A	11.5 A	10.4 A

MODEL	VOLTAGE		
	230 V	380 V	460 V
Three-phase			
VX 8/35 -N	3.2 A	1.8 A	1.6 A
VX 10/35 -N	4.1 A	2.4 A	2.0 A

PALLETIZATION

MODEL		GROUPAGE	CONTAINER
Single-phase	Three-phase	n. pumps	n. pumps
VXm 8/35 -N	VX 8/35 -N	60	80
VXm 10/35 -N	VX 10/35 -N	60	80