

VX-F "VORTEX"

Pump with flanged port

⇒ for sewage water



PERFORMANCE RANGE

- Flow rate up to **400 l/min** (24 m³/h)
- Head up to **7.5 m**

APPLICATION LIMITS

- **5 m** maximum immersion depth
- Maximum liquid temperature **+40 °C**
- Passage of suspended solids up to **Ø 50 mm**
- **300 mm** minimum immersion depth for continuous service

CONSTRUCTION AND SAFETY STANDARDS

- Complete with **5 m** long power cable
 - Float switch for single-phase versions
- ⇒ The "CF" delivery elbow is available separately

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

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



CERTIFICATIONS



INSTALLATION AND USE

Suitable for use in domestic, civil and industrial applications where the water, such as **groundwater, surface water and sewage water**, contains suspended solids up to Ø 50 mm.

They are suitable for use in applications such as 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° BO2008A000494, BO2008A000496

OPTIONALS AVAILABLE ON REQUEST

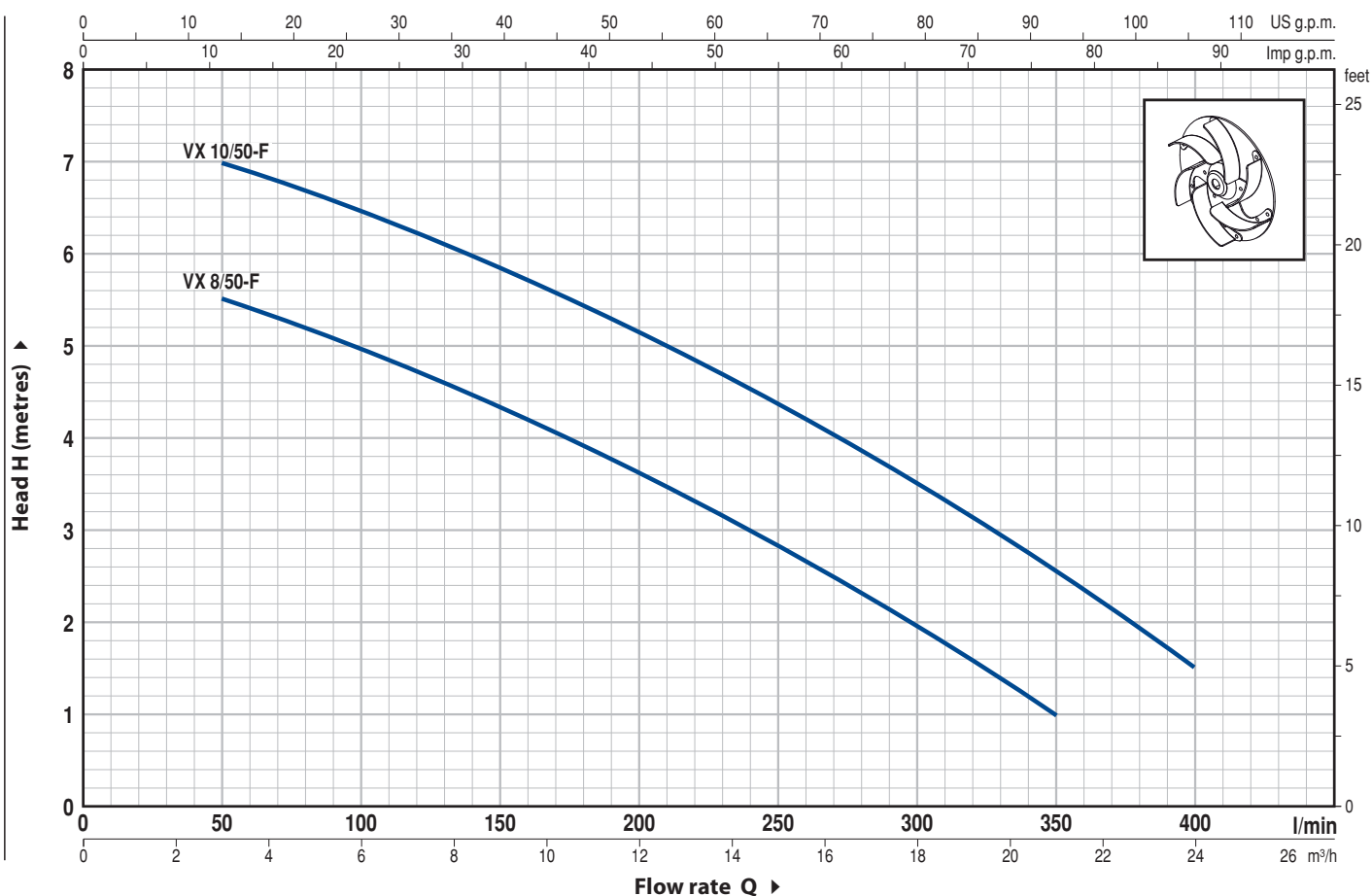
- "CF" Delivery kit - discharge elbow with bolts and seal.
- Pumps with a **10 m** long power cable
 - ⇒ N.B. Standard EN 60335-2-41 states that the power cable must be 10 m long for outdoor applications
- Single-phase pumps without float switch
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



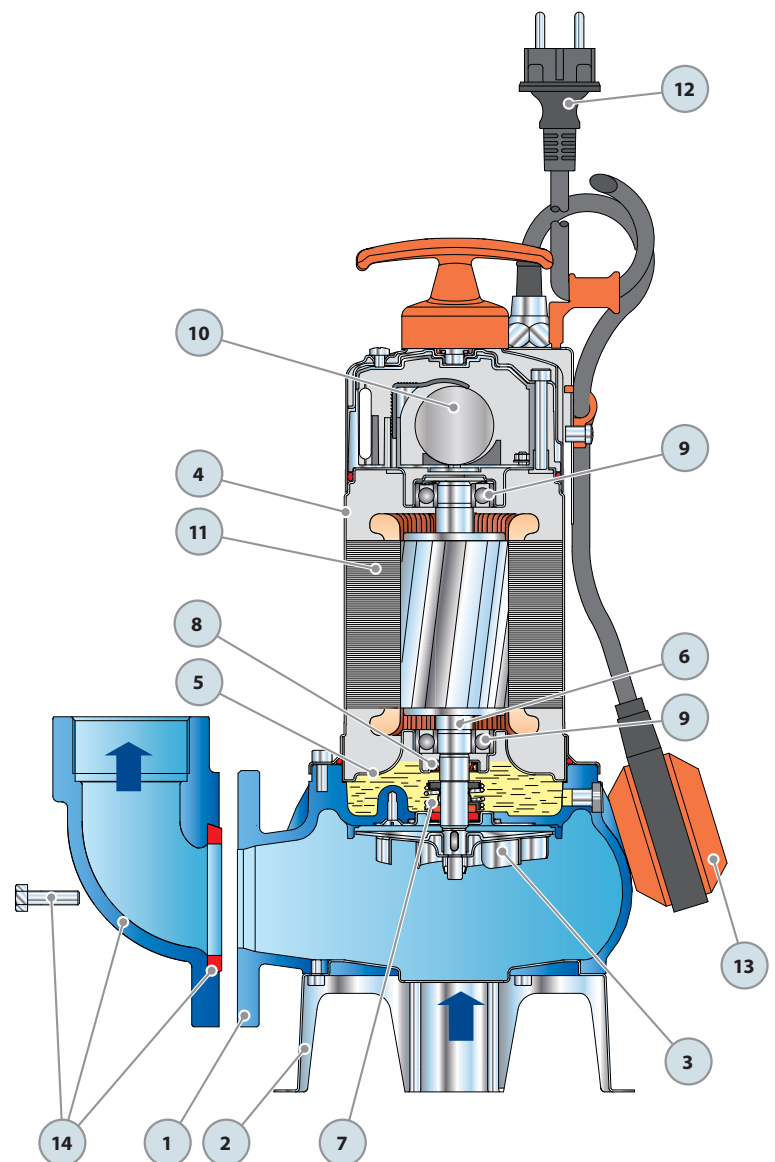
MODEL		POWER		Q	Flow rate											
Single-phase	Three-phase	kW	HP		m³/h	0	3	6	9	12	15	18	21	24		
VXm 8/50-F	-	0.55	0.75	H metres	6	5.5	5	4.4	3.6	2.8	2	1				
VXm 10/50-F	VX 10/50-F	0.75	1		7.5	7	6.5	5.8	5	4	3.2	2.4	1.5			

Q = Flow rate H = Total manometric head

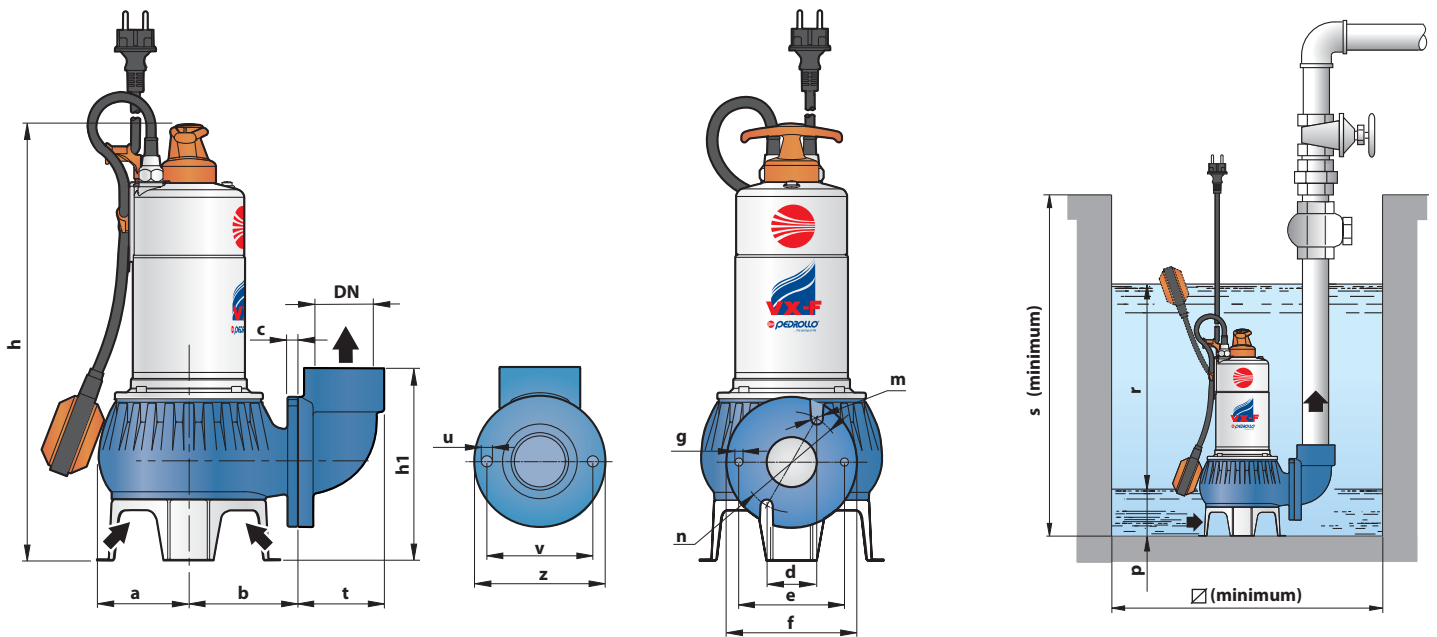
Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

VX-F "VORTEX"

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS			
1	PUMP BODY	Cast iron, complete with flanged port			
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 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>
	MG1-14 SIC	Ø 14 mm	Ceramic	Silicon carbide	NBR
8	LIP SEAL	Ø 15 x Ø 24 x H 5 mm			
9	BEARINGS	6203 ZZ / 6203 ZZ			
10	CAPACITOR				
	<i>Pump</i>	<i>Capacitance</i>			
	<i>Single-phase</i>	<i>(230 V or 240 V)</i>	<i>(110 V)</i>		
	VXm 8/50-F	20 µF 450 VL	30 µF 250 VL		
	VXm 10/50-F				
11	ELECTRIC MOTOR				
	<ul style="list-style-type: none"> – Single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding – Three-phase 400 V - 50 Hz – Insulation: F class – Protection: IP 68 				
12	POWER CABLE				
	5 metre long "H07 RN-F" cable (with Schuko plug on single-phase versions only)				
13	FLOAT SWITCH				
	(only for single-phase versions)				
14	"CF" CURVED DELIVERY KIT				
	Complete with: <ul style="list-style-type: none"> – cast iron flanged curved delivery attachment – seal – stainless steel screws 				



DIMENSIONS AND WEIGHT



MODEL		solids passage	DIMENSIONS mm														kg	
Single-phase	Three-phase		a	b	c	d	e	f	g	h	m	n	p	r	s	∅	1~	3~
VXm 8/50-F	-	∅ 50 mm	90	110	11	50	105	130	M10	437	12	100	60	variable	500	500	13.4	-
VXm 10/50-F	VX 10/50-F		14.6	13.3														

MODEL	PORT	DIMENSIONS mm						kg
Curved delivery	DN	h1	t	u	v	z		
CF	2"	192	85	11	105	130	2.4	

ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
Single-phase	230 V	240 V	110 V
VXm 8/50-F	3.5 A	3.5 A	8.0 A
VXm 10/50-F	5.0 A	5.0 A	11.5 A

MODEL	VOLTAGE (three-phase)			
	230 V	400 V	240 V	415 V
Three-phase	230 V	400 V	240 V	415 V
VX 10/50-F	3.6 A	2.1 A	3.6 A	2.1 A

PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
VXm 8/50-F	-	60	1520	821	-	80	1980	1089	-
VXm 10/50-F	VX 10/50-F	60	1520	893	815	80	1980	1185	1081

