

ENV
NEW

VX



 **PEDROLLO**[®]
... the spring of life

NEW

Drainage pumps with cast iron pump body for using in domestic, civil and industrial applications.

PERFORMANCES

- **Head +15%** as compared to previous versions
- **Flow rate +30%** as compared to previous versions

TECHNICAL CHARACTERISTICS

- Cast iron pump body subjected to Epoxy Electrocoating Treatment. This treatment guarantees high resistance to oxidation.
- Stainless steel vortex type impeller.
- Stainless steel motor shaft.
- Precision cast stainless steel handle.
- Double mechanical seals.
- Float switch equipped with patented tilting system (patented).
- Supply cable equipped with anti-tear system (patented)

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

APPLICATION LIMITS

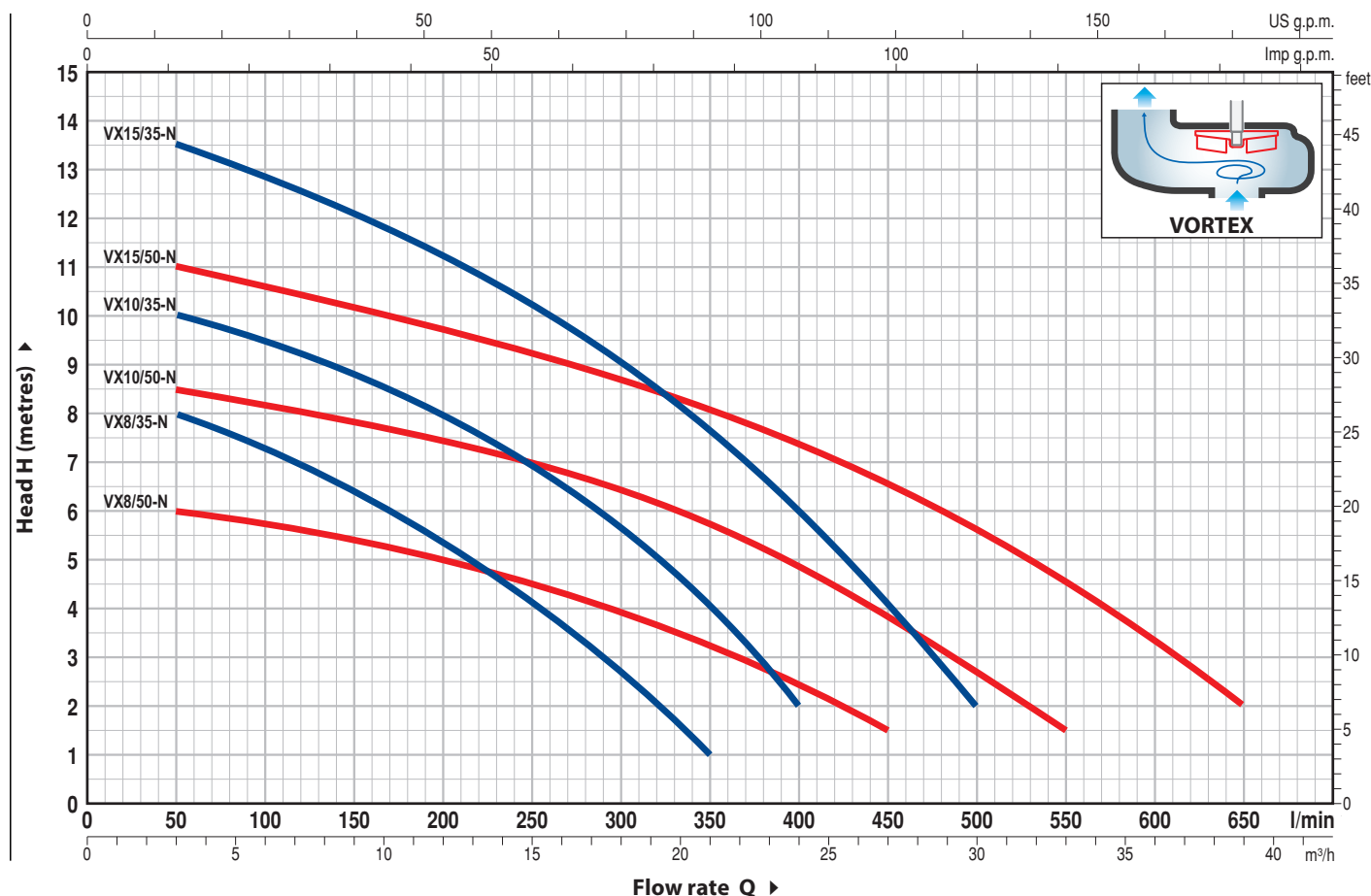
- **5 m** maximum immersion depth
- Maximum liquid temperature **+40 °C**
- Solids passage:
 - up to **Ø 40 mm** for VX/35-N
 - up to **Ø 50 mm** for VX/50-N

STANDARD SUPPLY

- Complete with:
 - **5 m** long power cable for VX8-10/35-N, VX8-10/50-N
 - **10 m** long power cable for VX15/35-N, VX15/50-N
- Float switch for single-phase versions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 1/min



MODEL		POWER		Q m³/h l/min	Flow rate Q (l/min)											
Single-phase	Three-phase	kW	HP		0	3	6	12	18	21	24	27	30	33	36	39
VXm 8/35 -N	–	0.55	0.75	H metres	0	50	100	200	300	350	400	450	500	550	600	650
VXm 10/35-N	VX 10/35-N	0.75	1		9	8	7.3	5.4	2.7	1						
VXm 15/35-N	VX 15/35-N	1.1	1.5		11	10	9.4	8	5.7	4	2					
VXm 8/50 -N	–	0.55	0.75		14	13.5	12.8	11.2	9	7.7	6	4.1	2			
VXm 10/50-N	VX 10/50-N	0.75	1		6.5	6	5.8	5	4	3.3	2.5	1.5				
VXm 15/50-N	VX 15/50-N	1.1	1.5		9	8.5	8.2	7.5	6.5	5.8	4.9	3.8	2.6	1.5		
					11.5	11	10.6	9.8	8.7	8.1	7.4	6.6	5.6	4.5	3.4	2

Q = Flow rate H = Total manometric head

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



Domestic use



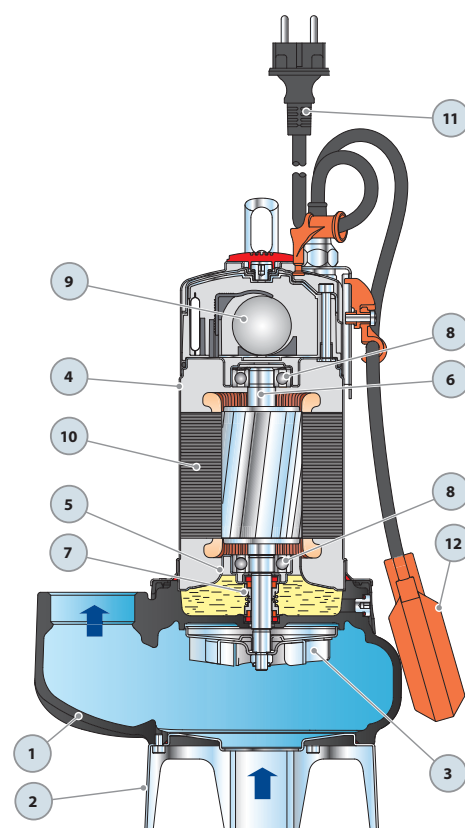
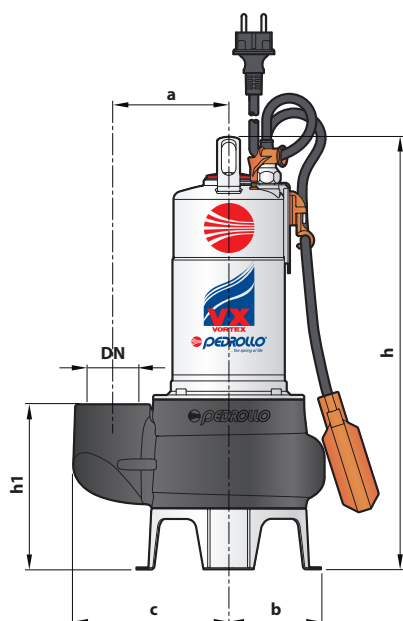
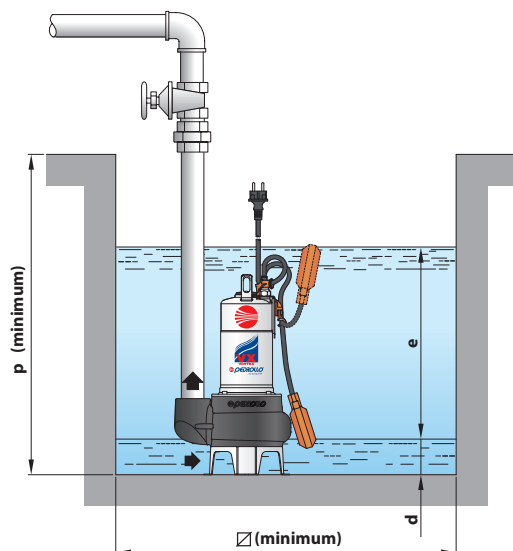
Civil use



Industrial use

POS. COMPONENT**CONSTRUCTION CHARACTERISTICS**

1	PUMP BODY		Cast iron subjected to Epoxy Electrocoating 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				
	Seal Model	Shaft Diameter	Stationary ring	Materials Rotational ring	Elastomer
	MG1-14D SIC	Ø 14 mm	Silicon carbide	Silicon carbide	NBR
8	BEARINGS		6203 ZZ / 6203 ZZ		
9	CAPACITOR				
	Pump Single-phase		Capacitance (230 V or 240 V)	(110 V)	
	VXm 8/35 -N, VXm 8/50 -N		20 µF 450 VL	30 µF 250 VL	
	VXm 10/35-N, VXm 10/50-N		25 µF 450 VL	–	
10	ELECTRIC MOTOR				
	– 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 X8				
11	POWER CABLE				
	5 metre long “H07 RN-F” cable (10 metre for VX15/35_50)				
	(with Schuko plug on single-phase versions only)				
12	FLOAT SWITCH				
	(only for single-phase versions)				

**DIMENSIONS****Typical installation**

MODEL		PORT DN	solids passage	DIMENSIONS mm														
Single-phase	Three-phase			a	b	c	h	h1	d	e	p	☐						
VXm 8/35 -N	–	1½"	Ø 40 mm	115	95	148	406	139	50	variable	500	500						
VXm 10/35-N	VX 10/35-N						421											
VXm 15/35-N	VX 15/35-N					155	431	164	60									
VXm 8/50 -N	–	2"	Ø 50 mm				446											
VXm 10/50-N	VX 10/50-N																	
VXm 15/50-N	VX 15/50-N																	



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