

EN
NEW

VXC



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

NEW

New version of the VXC series, totally redesigned, made more reliable with the introduction of double mechanical seals and Epoxy Electrocoating Treatment of all cast iron parts. This treatment guarantees high resistance to oxidation.

PERFORMANCES

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

TECHNICAL CHARACTERISTICS

- ▶ Double mechanical seals
- ▶ All cast iron parts subjected to Epoxy Electrocoating Treatment
- ▶ Stainless steel vortex type impeller
- ▶ Precision cast stainless steel handle
- ▶ New capacitor housing with stainless steel cover for easier maintenance
- ▶ Float switch equipped with patented tilting system (patented)

INSTALLATION AND USE

VXC series pumps, made from heavy gauge cast iron offering exceptional sturdiness and abrasion resistance, come equipped with a VORTEX impeller and are therefore suitable for draining **waste water containing suspended solids, sewage and water mixed with mud.**

APPLICATION LIMITS

- **10 m** maximum immersion depth
- Maximum liquid temperature **+40 °C**
- Solids passage:
 - up to **Ø 40 mm** for VXC/35-N
 - up to **Ø 50 mm** for VXC/45-N

STANDARD SUPPLY

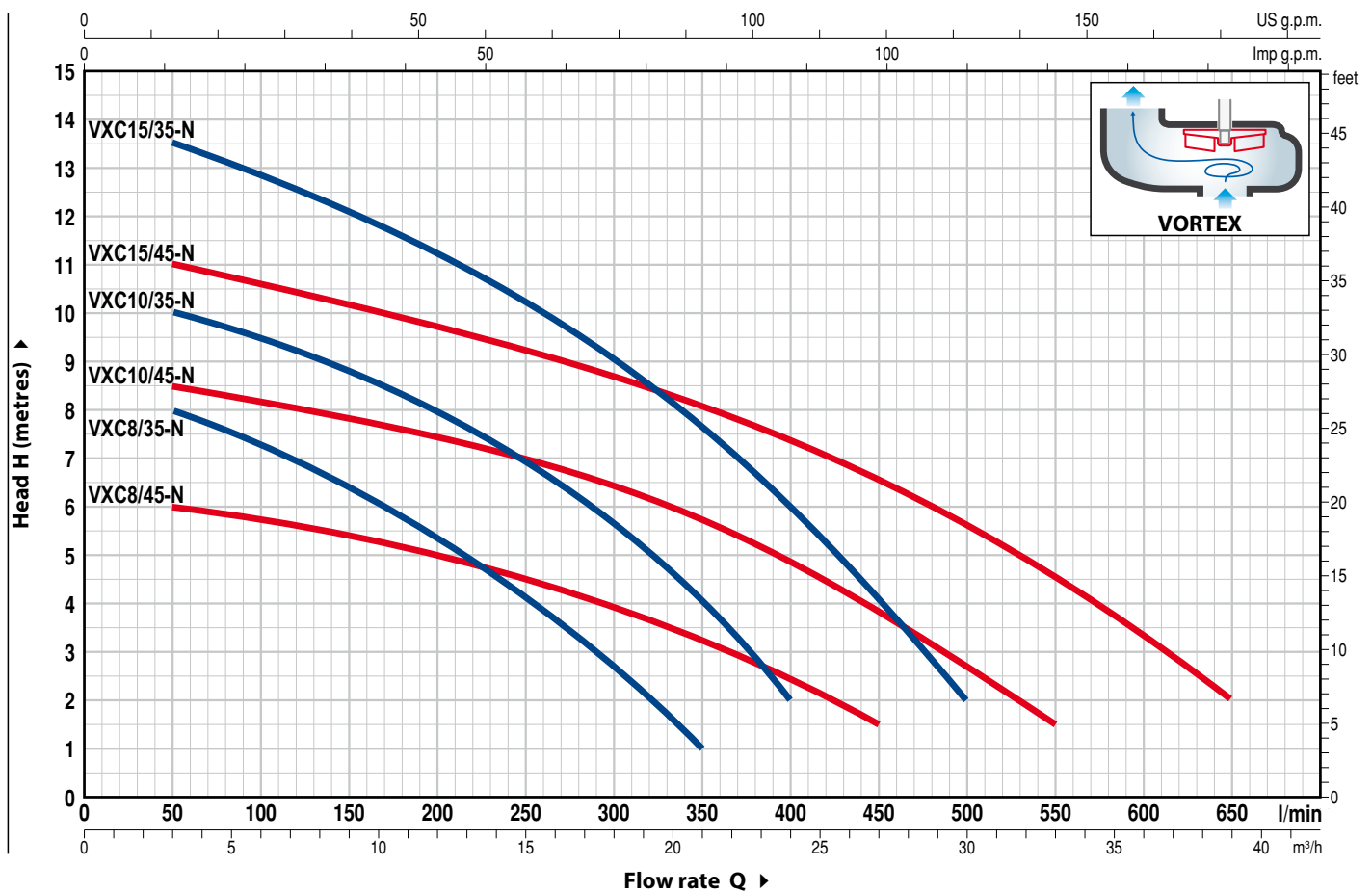
- Complete with **10 m** long power cable
- Float switch for single-phase versions

PATENTS - MODELS

- Float switch equipped with patented tilting system (patented)
- Model registered

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 1/min



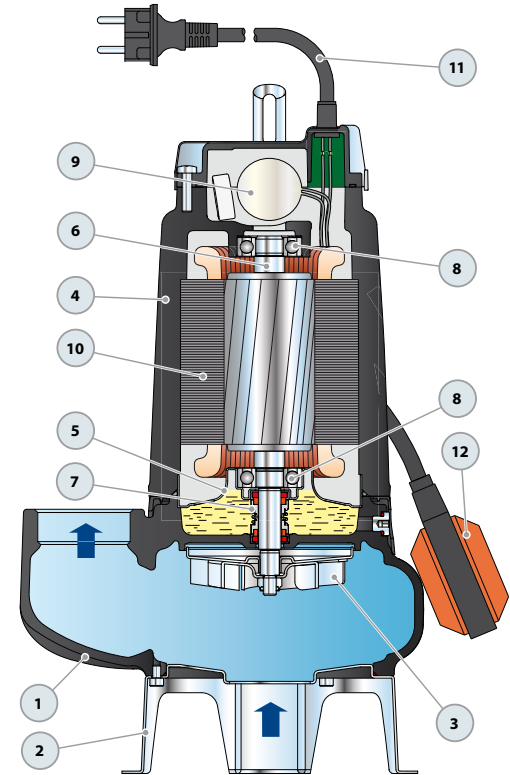
MODEL		POWER		Q	Flow rate													
Single-phase	Three-phase	kW	HP		m³/h	0	3	6	12	18	21	24	27	30	33	36	39	
VXCm 8/35 -N	–	0.55	0.75	H metres	0	50	100	200	300	350	400	450	500	550	600	650		
VXCm 10/35-N	VXC 10/35-N	0.75	1		9	8	7.3	5.4	2.7	1								
VXCm 15/35-N	VXC 15/35-N	1.1	1.5		11	10	9.4	8	5.7	4	2							
VXCm 8/45 -N	–	0.55	0.75		14	13.5	12.8	11.2	9	7.7	6	4.1	2					
VXCm 10/45-N	VXC 10/45-N	0.75	1		6.5	6	5.8	5	4	3.3	2.5	1.5						
VXCm 15/45-N	VXC 15/45-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

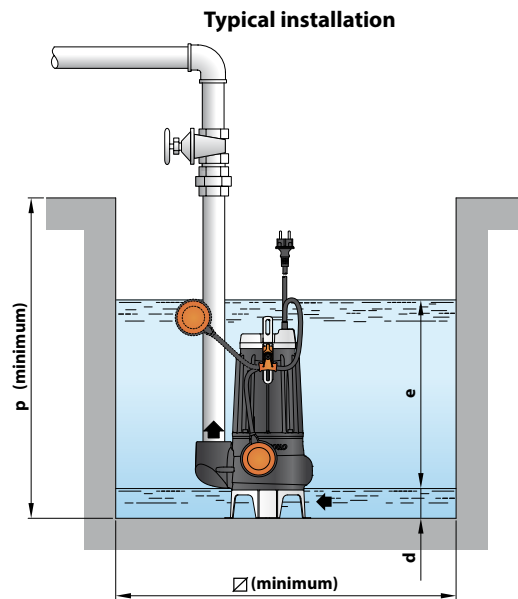
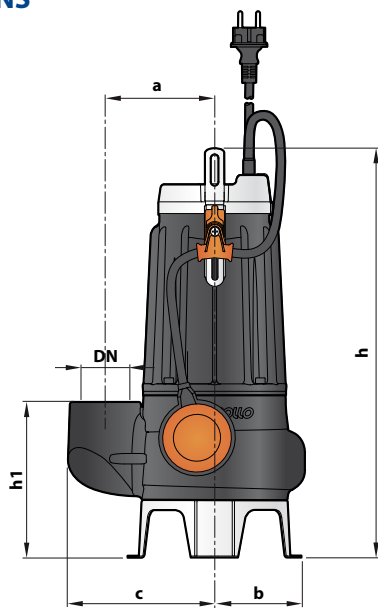
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3.

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	Cast iron subjected to Epoxy Electrocoating Treatment				
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>Stationary ring</i>	<i>Materials</i>		<i>Elastomer</i>
MG1-14D SIC	Ø 14 mm	Silicon carbide	Silicon carbide		NBR
8 BEARINGS	6203 ZZ / 6203 ZZ				
9 CAPACITOR					
<i>Pump Single-phase</i>	<i>Capacitance (230 V or 240 V)</i>	<i>(110 V)</i>			
VXCm 8/35 -N					
VXCm 8/45 -N	20 µF 450 VL		30 µF 250 VL		
VXCm 10/35 -N					
VXCm 15/35 -N	25 µF 450 VL				
VXCm 15/45 -N					
10 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 X8 				
11 POWER CABLE	10 metre long "H07 RN-F" cable (with Schuko plug on single-phase versions only)				
12 FLOAT SWITCH	(only for single-phase versions)				



DIMENSIONS



MODEL		PORT DN	solids passage	DIMENSIONS mm								
Single-phase	Three-phase			a	b	c	h	h1	d	e	p	Ø
VXCm 8/35 -N	-	1½"	Ø 40 mm	115	95	148	388	139	50	variable	500	500
VXCm 10/35 -N	VXC 10/35 -N						403					
VXCm 15/35 -N	VXC 15/35 -N						413					
VXCm 8/45 -N	-	2"	Ø 50 mm	115	95	155	413	164	60	variable	500	500
VXCm 10/45 -N	VXC 10/45 -N						428					
VXCm 15/45 -N	VXC 15/45 -N											



Pedrollo S.p.A. – Via Enrico Fermi, 7 – 37047 – San Bonifacio (VR)
tel. +39 045 6136311 – fax +39 045 7614663 – sales@pedrollo.com – www.pedrollo.com