



Sewage



Civil use



Industrial use

※ **High-quality materials and robust construction ensure superior performance and reliability**



PERFORMANCE RANGE

- Flow rate up to **1250 l/min** (75 m³/h)
- Head up to **20 m**

INSTALLATION AND USE

The **VXC** series is constructed from thick cast iron, offering exceptional robustness, abrasion resistance, and longevity. Featuring **VORTEX**-type impellers, these pumps are designed to drain **sewage, wastewater, sludge-mixed water, activated and putrid sludge**.

They are suitable for a wide range of applications, including sewers, tunnels, excavations, canals, and underground parking facilities

APPLICATION LIMITS

- Depth below water level up to **10 m**
(with an appropriately sized power cable)
- Liquid temperature up to **+40 °C**
- Suspended solids transfer:
 - up to **Ø 50 mm** for VXC /50
 - up to **Ø 65 mm** for VXC /65
- **Continuous operation of the pump even when completely uncovered.**

INCLUDES

- ※ Power cable length **10 m**
- ※ Float switch (exclusive to single-phase models)
- ※ Switchbox compatible with single-phase versions

AVAILABLE UPON REQUEST

- ※ **QES** control panel for three-phase pumps
- ※ Different voltage requirements 60 Hz frequency

WARRANTY

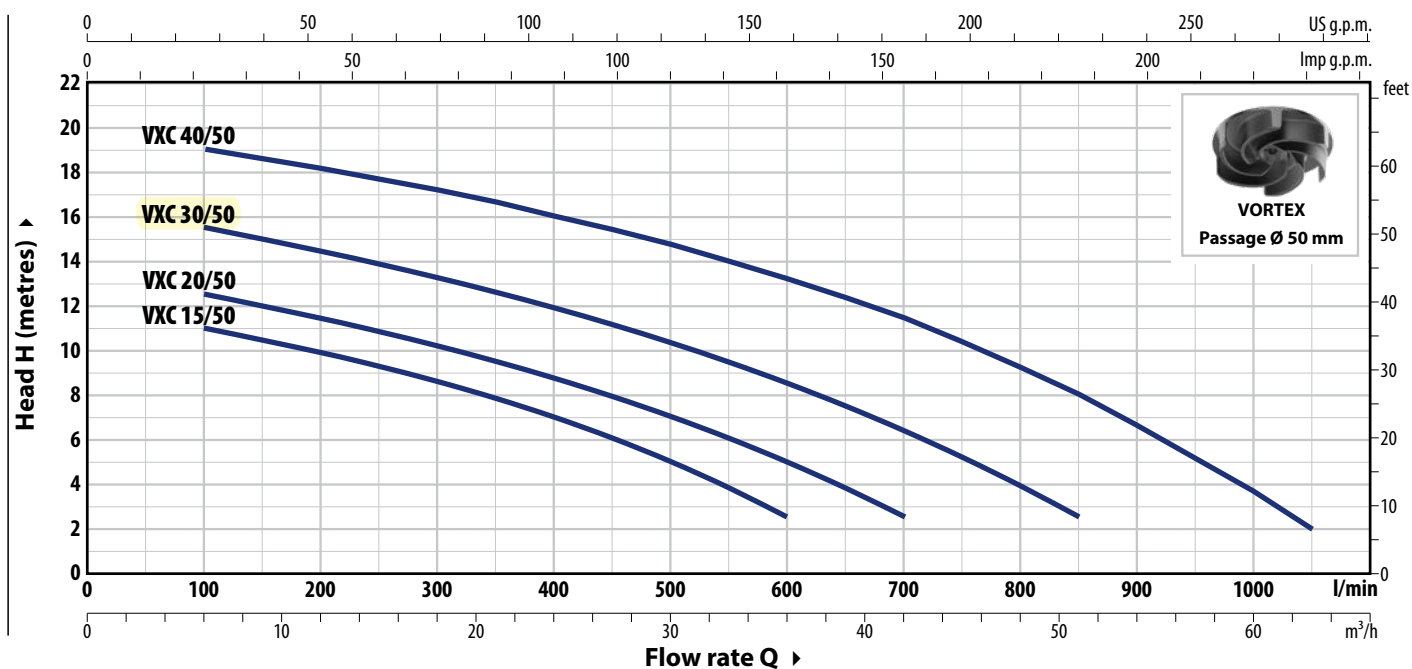
- ※ **The warranty for three-phase models remains valid only if the motor's built-in thermal protector is properly connected to the control panel. This connection is essential for the warranty's applicability.**

PATENTS - TRADE MARKS - MODELS

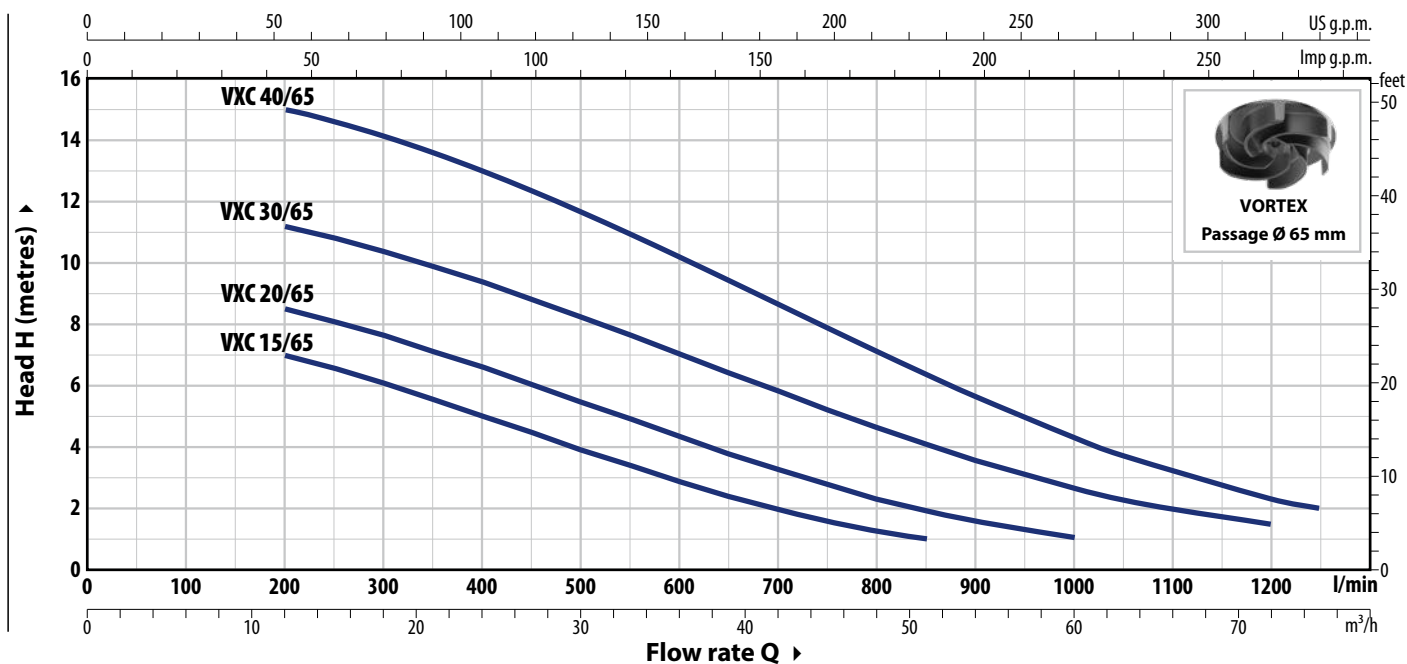
- Patent No. IT0001428923
- Registered Community Model No. 008625685-0001, No. 008625685-0002

CURVES AND PERFORMANCE DATA

50 Hz



TYPE		POWER (P ₂)		Q	m ³ /h													
Single-ph.	Three-ph.	kW	HP		0	6	12	18	24	30	36	42	51	60	63			
					0	100	200	300	400	500	600	700	850	1000	1050			
VXCm 15/50	VXC 15/50	1.1	1.5	H metres	12	11	9.9	8.6	7	5	2.5							
VXCm 20/50	VXC 20/50	1.5	2		13.5	12.5	11.4	10.2	8.7	7	5	2.5						
VXCm 30/50	VXC 30/50	2.2	3		16.5	15.5	14.4	13.2	11.9	10.3	8.5	6.4	2.5					
–	VXC 40/50	3	4		20	19	18.1	17.1	16	14.7	13.2	11.4	8	3.6	2			



TYPE		POWER (P ₂)		Q	m ³ /h													
Single-ph.	Three-ph.	kW	HP		0	12	18	24	30	36	42	51	60	63	72	75		
					0	200	300	400	500	600	700	850	1000	1050	1200	1250		
VXCm 15/65	VXC 15/65	1.1	1.5	H metres	8	7	6	5	4	2.8	2	1						
VXCm 20/65	VXC 20/65	1.5	2		9.5	8.5	7.6	6.6	5.4	4.3	3.3	2	1					
VXCm 30/65	VXC 30/65	2.2	3		12	11	10.3	9.3	8.2	7	5.8	4	2.6	2.3	1.5			
–	VXC 40/65	3	4		15.5	15	14	13	11.6	10	8.6	6.3	4.3	3.7	2.3	2		

Q = Flow rate H = Total manometric head

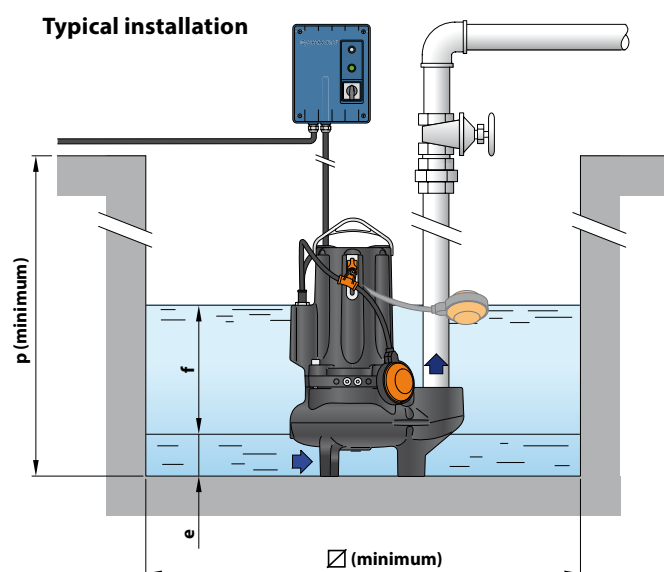
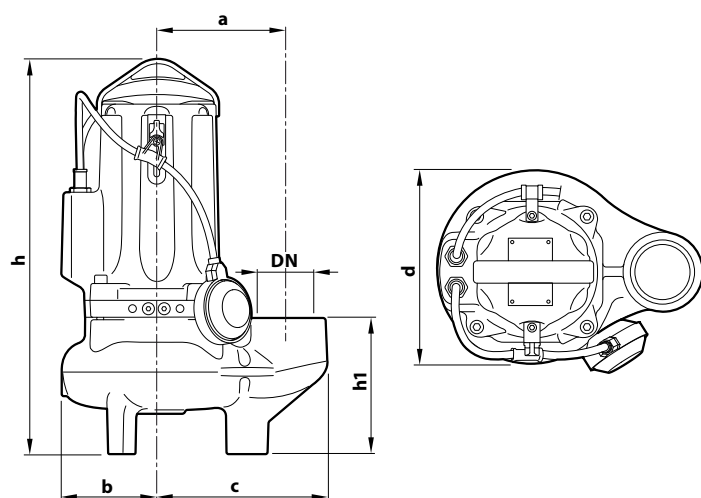
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

ABSORPTION

TYPE	VOLTAGE
Single-phase	230 V
VXCm 15/50	8.5 A
VXCm 20/50	9.0 A
VXCm 30/50	12.0 A
VXCm 15/65	8.5 A
VXCm 20/65	9.0 A
VXCm 30/65	12.0 A

TYPE	VOLTAGE
Three-phase	400 V
VXC 15/50	3.4 A
VXC 20/50	3.7 A
VXC 30/50	5.0 A
VXC 40/50	6.2 A
VXC 15/65	3.4 A
VXC 20/65	3.7 A
VXC 30/65	5.0 A
VXC 40/65	6.2 A

DIMENSIONS AND WEIGHT



TYPE		PORT DN	Passage of solid bodies	DIMENSIONS mm											kg	
Single-phase	Three-phase			a	b	c	h	h1	d	e	f	p	∅	1~	3~	
VXCm 15/50	VXC 15/50	2½"	50 mm	162	119	212	487	167	242	75	adjustable	800	800	42.1	40.0	
VXCm 20/50	VXC 20/50						513 487							43.0	42.0	
VXCm 30/50	VXC 30/50						513							48.0	44.0	
–	VXC 40/50						513							–	48.0	
VXCm 15/65	VXC 15/65	3"	65 mm	180	120	240	521	201	246	85				44.0	42.5	
VXCm 20/65	VXC 20/65						547 521							45.1	44.0	
VXCm 30/65	VXC 30/65						547							49.8	46.0	
–	VXC 40/65						547							–	49.8	

PALLET CAPACITY

TYPE		NO. OF PUMPS
Single-phase	Three-phase	
VXCm 15/50	VXC 15/50	16
VXCm 20/50	VXC 20/50	16
VXCm 30/50	VXC 30/50	12 16
–	VXC 40/50	12
VXCm 15/65	VXC 15/65	12
VXCm 20/65	VXC 20/65	12
VXCm 30/65	VXC 30/65	12
–	VXC 40/65	12

MATERIALS AND COMPONENTS

1 Pump body	Cast iron with cataphoresis treatment
2 Impeller	Cast iron VORTEX type with cataphoresis treatment
3 Motor holder	Cast iron with cataphoresis treatment
4 Motor bracket	Cast iron with cataphoresis treatment
5 Motor shaft	Stainless steel AISI 431

6 Double mechanical seal with interposed oil chamber

Seal	Shaft	Location	Materials
STA-22	Ø 22 mm	Motor side	Ceramic / Graphite / NBR
STA-20	Ø 20 mm	Pump side	Silicon carbide/Silicon carbide/NBR

7 Electric Motor

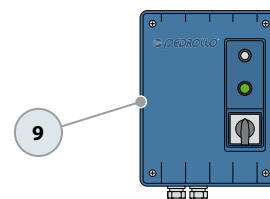
VXCm: single-phase 230 V - 50 Hz with thermal motor protection

VXC: three-phase 400 V - 50 Hz

✖ with winding integrated thermal motor protection (to be connected to the switchboard supplied on request)

- Insulation: class F
- Protection rating: IP X8

Power switchboard
(standard for single-phase versions)



8 Power cord

✖ 10 metres 'H07 RN-F' type

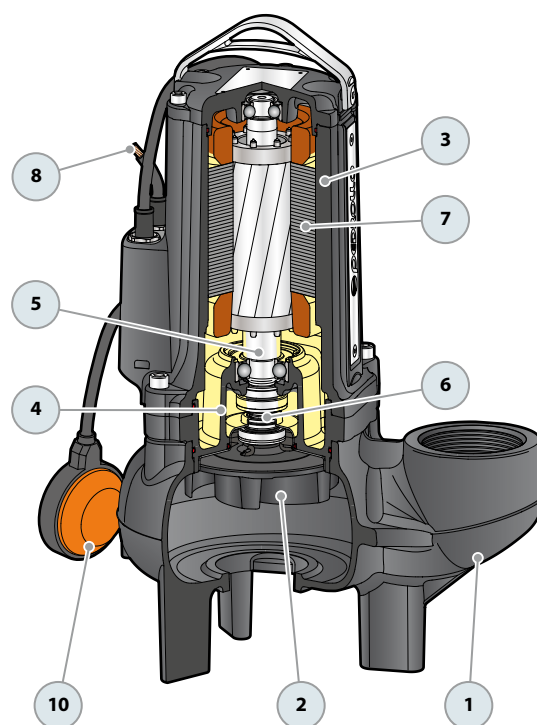
9 Switchboard

(exclusive to single-phase models)

With capacitor and manual reset motor protection switch

10 Float switch

(exclusive to single-phase models)



OPTIONAL - Support base

(Cod. ASSBVM)

