



Sewage



Civil use



Industrial use

※ Submersible pumps 4 poles (1450 min⁻¹)



PERFORMANCE RANGE

- Flow rate up to **2000 l/min** (120 m³/h)
- Head up to **10.3 m**

INSTALLATION AND USE

The **VXC4** series is constructed from thick stainless steel and cast iron, offering exceptional robustness, abrasion resistance, and durability. Equipped with a **VORTEX**-type impeller, the pumps are designed to **drain sewage, sludge-mixed water, and activated and putrid sludge**.

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

ELECTRIC MOTOR

- ※ **The electric motor is safeguarded by a special three-phase thermal protector, situated within the motor, which activates in case of overheating or abnormal power consumption.**

INCLUDES

- ※ Power cable length **10 m**

APPLICATION LIMITS

- Depth below water level up to **10 m** (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C**
- Capable of processing suspended solids up to **Ø 100 mm**
- **Minimum immersion for continuous service: 550 mm**

AVAILABLE UPON REQUEST

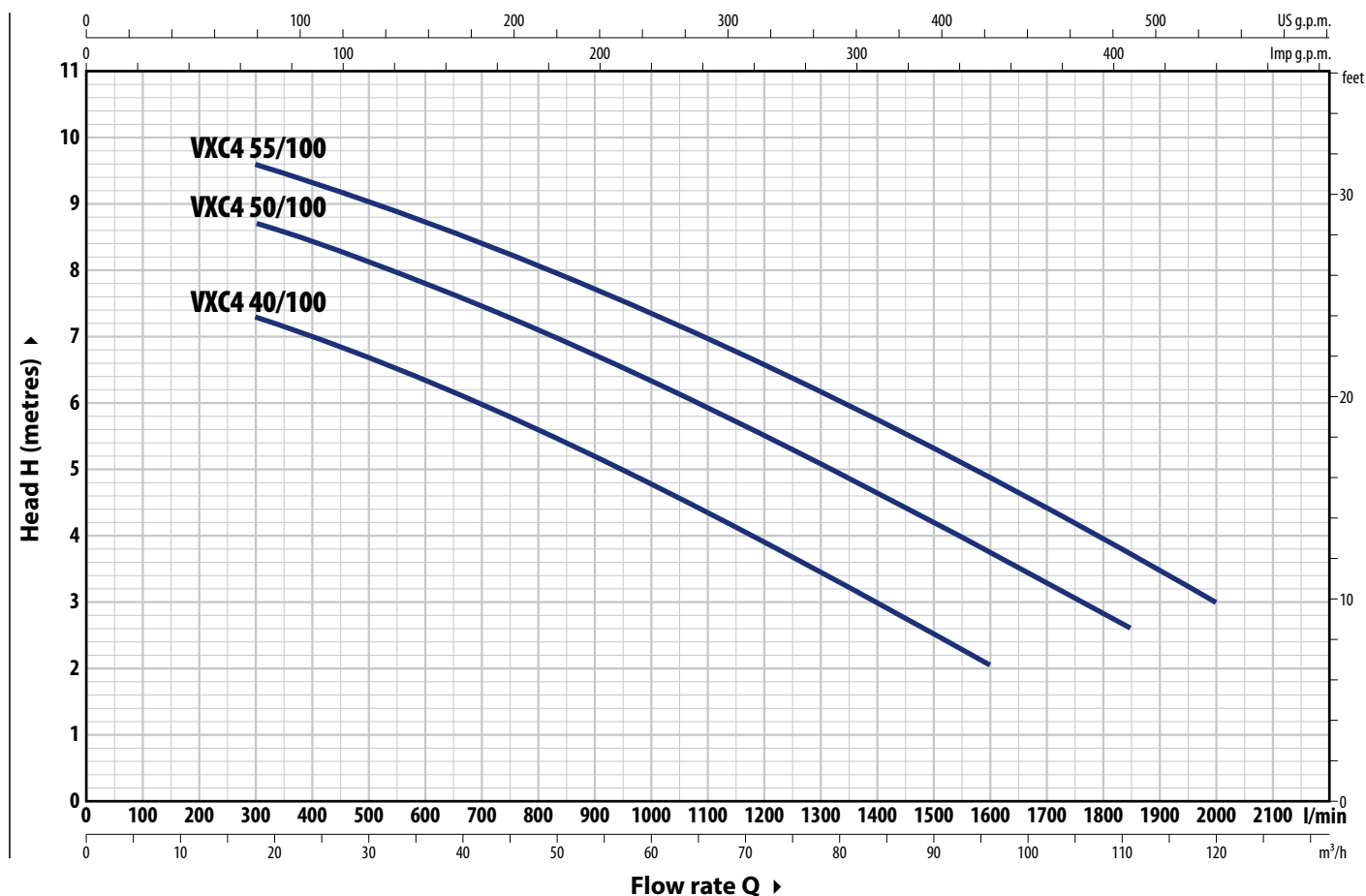
- ※ Pumps equipped with internal probes that detect the presence of water in the oil chamber
- ※ Different voltage or frequency

PATENTS - TRADE MARKS - MODELS

- Registered Community Model No. 003863158-0003

CURVES AND PERFORMANCE DATA – n= 1450 min⁻¹

60 Hz



TYPE Three-phase	POWER (P ₂)		Q	m ³ /h	0	18	30	45	60	75	90	96	111	120
	kW	HP		l/min	0	300	500	750	1000	1250	1500	1600	1850	2000
VXC4-40/100	3	4	H metres	8	7.3	6.7	5.8	4.8	3.7	2.5	2.1			
VXC4-50/100	3.7	5		9.4	8.7	8.1	7.3	6.3	5.3	4.2	3.8	2.6		
VXC4-55/100	4	5.5		10.3	9.6	9.1	8.3	7.4	6.4	5.3	4.9	3.7	3	

Q = Flow rate H = Total manometric head

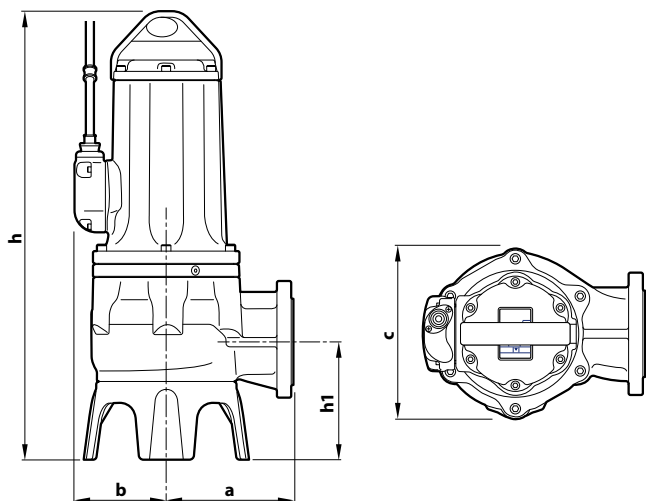
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

ABSORPTION

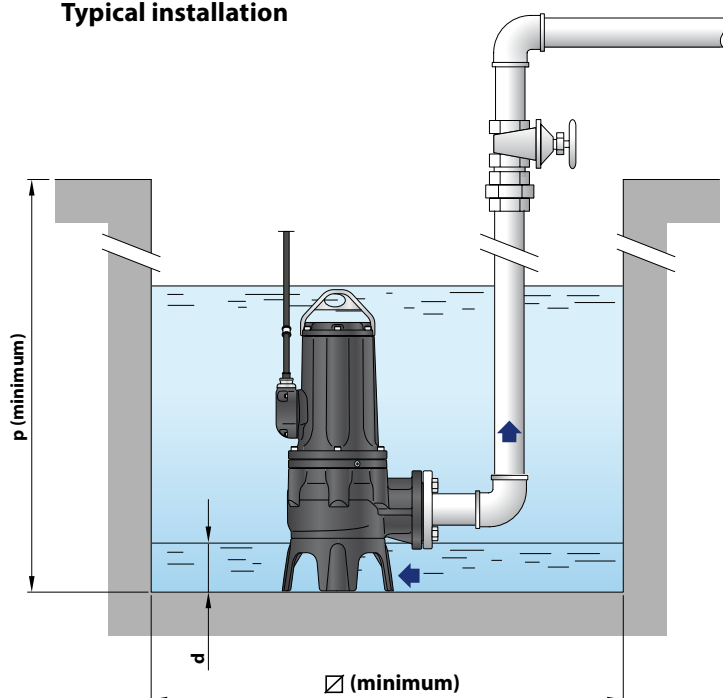
TYPE Three-phase	VOLTAGE 380 V
VXC4-40/100	7.0 A
VXC4-50/100	9.0 A
VXC4-55/100	9.5 A

TYPE Three-phase	VOLTAGE 440 V
VXC4-40/100	6.0 A
VXC4-50/100	7.8 A
VXC4-55/100	8.2 A

DIMENSIONS AND WEIGHT

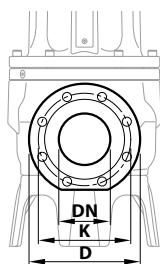


Typical installation



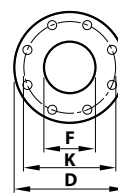
TYPE	Passage of solid bodies	DIMENSIONS mm								kg
Three-phase		a	b	c	h	h1	d	p	$\varnothing$	3~
VXC4-40/100	$\varnothing 100$ mm	228	165	302	806	211	140	1000	1000	129.1
VXC4-50/100										129.0
VXC4-55/100										132.0

PORT FLANGE



COUNTERFLANGE

(CAN BE ORDERED SEPARATELY)



TYPE	FLANGE	K	D	HOLES	
Three-phase	DN	mm	mm	N°	$\varnothing$ (mm)
VXC4-40/100	100 (PN10)	180	220	8	18
VXC4-50/100					
VXC4-55/100					

TYPE	FLANGE	F	K	D	HOLES	
Three-phase	DN		mm	mm	N°	$\varnothing$ (mm)
VXC4-40/100	100	4"	180	220	8	18
VXC4-50/100						
VXC4-55/100						

PALLET CAPACITY

TYPE	GROUPAGE
Three-phase	n. pumps
VXC4-40/100	4
VXC4-50/100	4
VXC4-55/100	4

MATERIALS AND COMPONENTS

1 Pump body Cast iron with cathaphoresis treatment

2 Base Cast iron with cathaphoresis treatment

3 Impeller Cast iron VORTEX type with cathaphoresis treatment

4 Motor holder Cast iron with cathaphoresis treatment

5 Motor cover Cast iron with cathaphoresis treatment

6 Motor shaft Stainless steel **AISI 431**

7 Double mechanical seal with interposed oil chamber

Seal	Shaft	Location	Materials
MG91-40D	Ø 40 mm	Motor side	Silicon carbide / Graphite / NBR
		Pump side	Silicon carbide/Silicon carbide/NBR

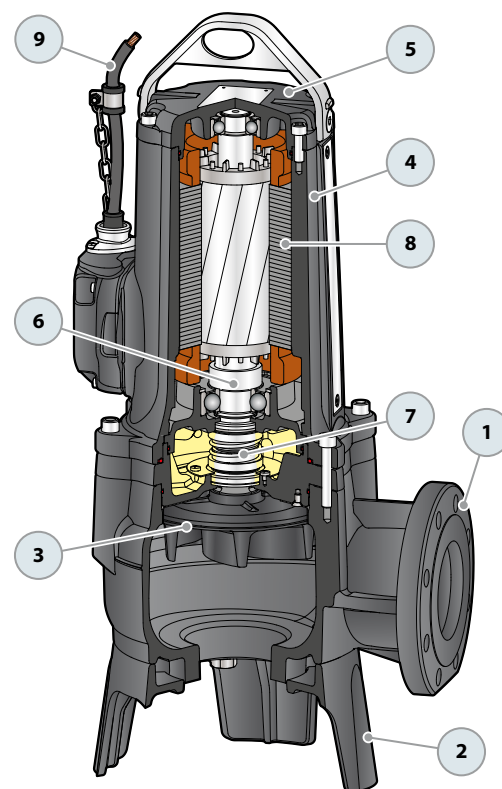
8 Electric motor

Three-phase 380 V - 60 Hz or 440 V - 60 Hz
with winding integrated thermal motor protection

- Insulation: class F
- Protection rating: IP X8

9 Power cord

※ 10 metres 'H07 RN-F' type



SEWAGE LIFTING SYSTEM VXC4 - MC4

VERSION WITH VERTICAL DELIVERY AND 2" GUIDE TUBES

For VXC4	Code ASSPVXC4V	DN 4"
For MC4	Code ASSPMC4V	DN 3"

※ **Kit consisting of:**



Coupling foot complete with counterflange



Slide rail with screws and gasket



Support for guide tubes



ACCESSORIES AVAILABLE FOR ORDER

RUNNING GUIDE

※ For VXC4	Code ASSFL100
※ For MC4	Code ASSFL080

Complete with screws and seals

INTERMEDIATE GUIDE TUBE SUPPORT

※ For guide tubes Ø 2"	Code 859SV349INTFA
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For reasons of stability, interpose a support every 3 metres (recommended)

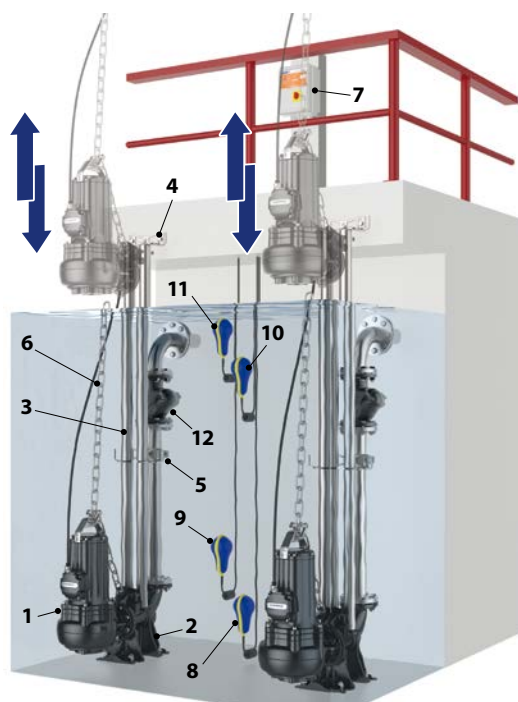
GUIDE TUBE (AISI 304 stainless steel)

※ 3 metres Ø 2" guide tube	Code 54SARTG0063F
※ 6 metres guide tube Ø 2"	Code 54SARTG0066F

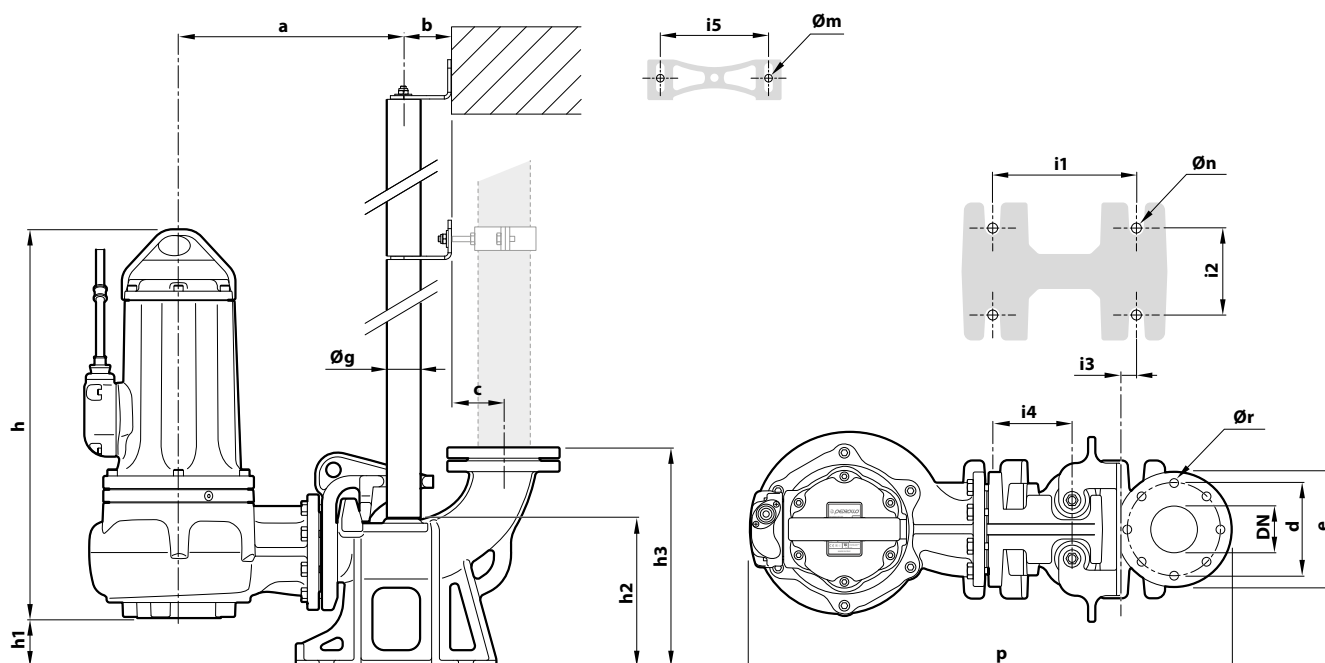


Typical installation

1. Water pump
2. Pump Base
3. Guide Rails
4. Upper Guide Rail Support
5. Intermediate Guide Rail Support
6. Lifting chain
7. Control Panel
8. Stop Float Switch
9. Start Float Switch
10. Supplementary pump start float switch
11. Alarm float
12. Check val



DIMENSIONS



TYPE	Passage of solid bodies	PORT	DIMENSIONS mm																		
Three-phase	mm	DN	a	b	c	d	e	p	h	h1	h2	h3	i1	i2	i3	i4	i5	Øg	Øm	Øn	Ør
VXC4-40/100	Ø 100 mm	4"																			
VXC4-50/100			376	85	105	180	220	841	695	107	266	426	250	150	34	130	186	2"	13	16	18
VXC4-55/100																					

TYPE	Passage of solid bodies mm	PORT DN	DIMENSIONS mm																		
Three-phase			a	b	c	d	e	p	h	h1	h2	h3	i1	i2	i3	i4	i5	Øg	Øm	Øn	Ør
MC4-40/55	Ø 55 mm	3"																			
MC4-50/55			396	85	95	160	200	841	680	92	256	592	250	150	34	130	186	2"	13	16	18
MC4-55/55																					