

VORTEX submersible pumps made of cast iron, particularly sturdy and reliable, indicated in fixed installations. Thanks to the well-tested vortex system it allows the evacuation of dirty waters containing suspended solid bodies.



RANGE OF PERFORMANCE

Flow rate up to 500 l/min (30 m³/h)
Head up to 15 m

LIMITS OF USE

Depth of use up to 10 m
Liquid temperature up to + 40°C
Passage of solid bodies max Ø 35 mm for VXC/35
Passage of solid bodies max Ø 45 mm for VXC/45
For continuous duty: minimum immersion 290 mm

EXECUTION AND SAFETY STANDARDS

EN 60034-1
IEC 34-1
CEI 2-3



USES AND INSTALLATIONS

THE PUMPS IN THE **VXC SERIES**, MADE OF EXCEPTIONALLY STURDY HEAVY-GAUGE CAST IRON, RESISTANT TO ABRASION, ARE EQUIPPED WITH A **VORTEX TYPE IMPELLER**, THEY ARE RECOMMENDED FOR DRAINING WASTE WATERS CONTAINING SUSPENDED SOLID BODIES, SEWAGE, WASTE WATERS AND WATERS MIXED WITH MUD.

GUARANTEE 2 YEARS according to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded inlet ISO 228/1.
- **MOTOR CASING AND BASE:** cast iron.
- **IMPELLER:** stainless steel AISI 304.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **DOUBLE MECHANICAL SEAL:** carburundum - NBR pump side and sealing ring on motor side (with interposed oil barrier chamber for lubricating and cooling the seal surfaces in case of lack of water).
- **MOTOR:** submersible asynchronous for continuous duty.
VXCm: single-phase 220÷240 V - 50 Hz with thermal overload protector built into the winding.
VXC: three-phase 380÷415 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 68.

THE ELECTROPUMPS ARE COMPLETE WITH:

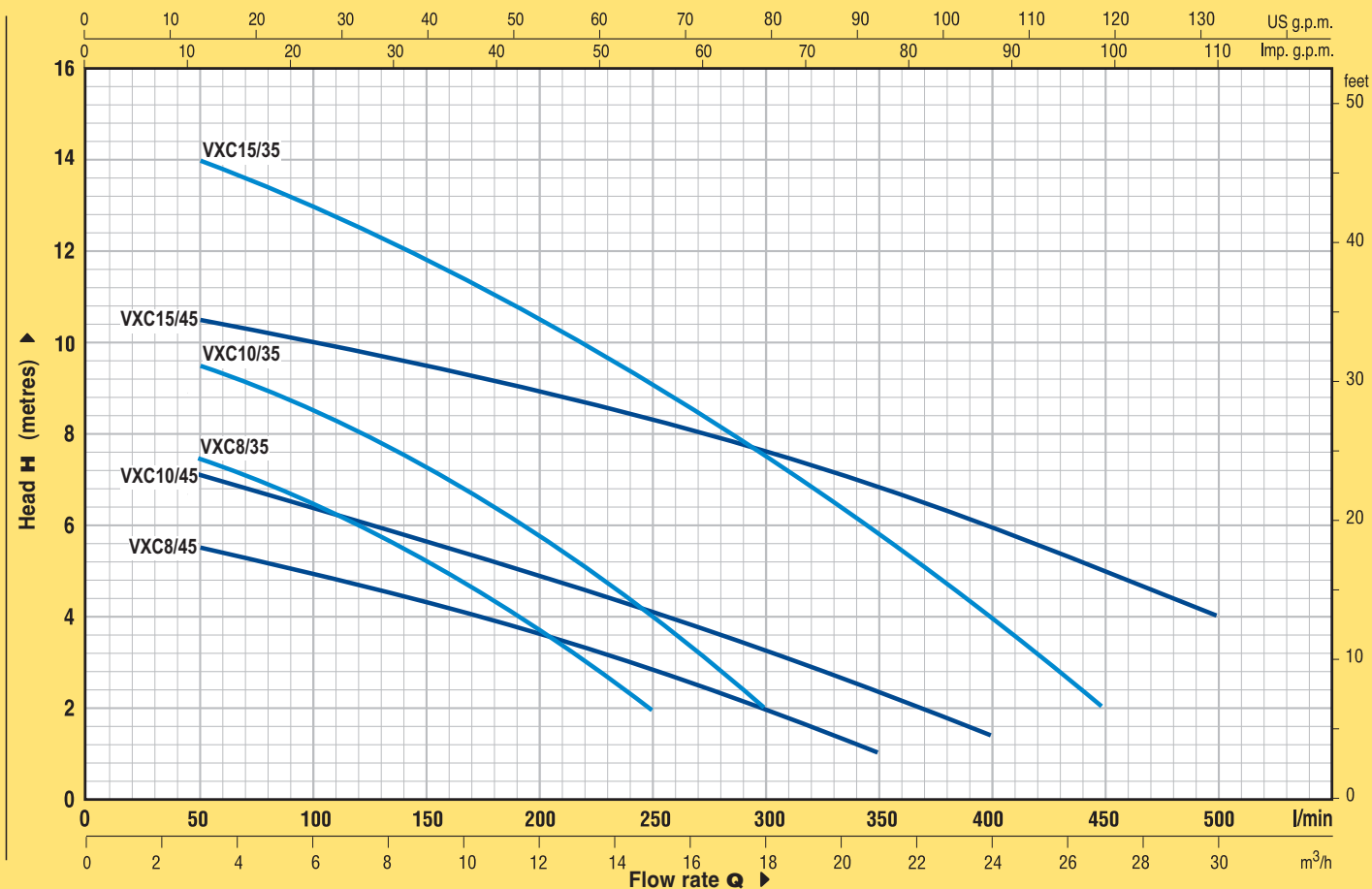
VXCm (single-phase) Float switch.
Neoprene power cable "H07 RN-F"
length **10 metres** with Schuko plug.
Electric panel with condenser (Protection IP 64).

VXC (three-phase) Neoprene power cable "H07 RN-F"
length **10 metres**.

EXECUTIONS ON REQUEST

- ⇒ electric panel for three-phase electropumps 1.1 kW
- ⇒ single-phase electropumps without float switch
- ⇒ other voltages or frequency 60 Hz

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

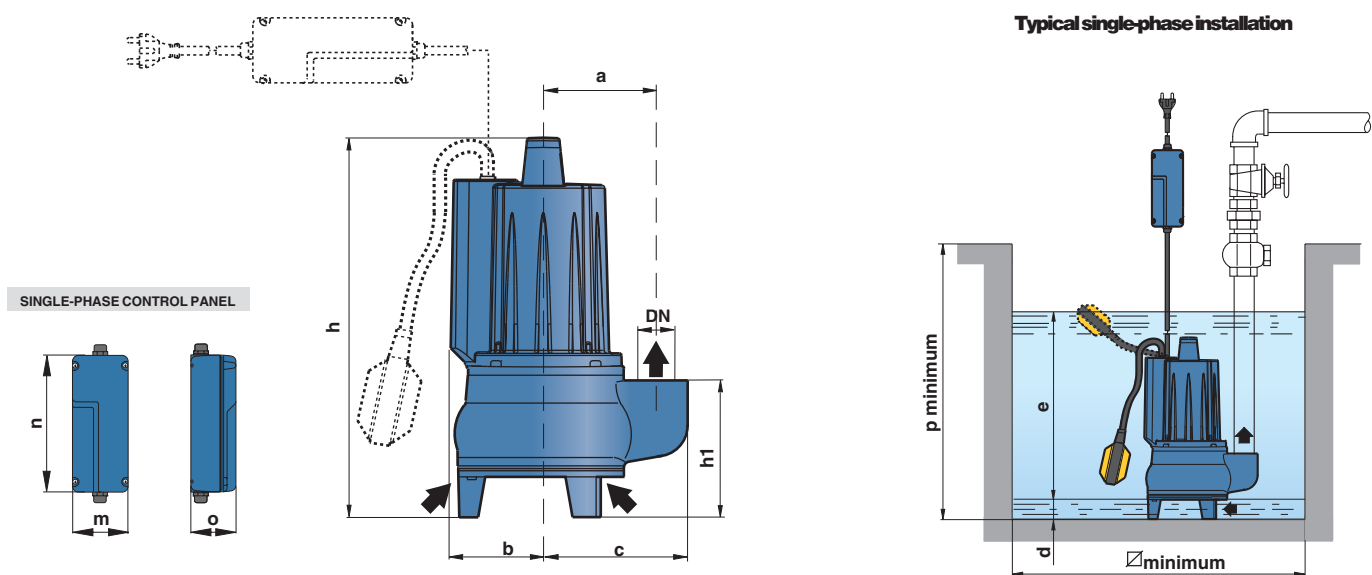


TYPE		POWER		Q	H metres												
Single-phase	Three-phase	kW	HP		m³/h	0	3	6	9	12	15	18	21	24	27	30	
				l/min	0	50	100	150	200	250	300	350	400	450	500		
VXCm 8/35	—	0.60	0.85		8.4	7.5	6.5	5.2	3.7	2							
VXCm 10/35	VXC 10/35	0.75	1		10	9.5	8.5	7.2	5.8	4	2						
VXCm 15/35	VXC 15/35	1.1	1.5		15	14	13	11.8	10.5	9	7.5	6	4	2			
VXCm 8/45	—	0.60	0.85		6	5.5	5	4.4	3.6	2.8	2	1					
VXCm 10/45	VXC 10/45	0.75	1		7.5	7	6.5	5.8	5	4	3.2	2.4	1.5				
VXCm 15/45	VXC 15/45	1.1	1.5		11	10.5	10	9.5	9	8.3	7.5	6.8	6	5	4		

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



TYPE		INLET DN	passage of solid bodies	DIMENSIONS mm											kg		
Single-phase	Three-phase			a	b	c	h	h1	m	n	o	d	e	p	∅	1~	3~
VXCm 8/35	—	1 1/2"	∅ 35 mm	105	90	137	350	123	81	200	66	40	adjustable	500	500	17.0	-
VXCm 10/35	VXC 10/35			92	143	370	133	55				18.7				17.1	
VXCm 15/35	VXC 15/35			110	90	150	375	148				19.7				18.0	
VXCm 8/45	—	2"	∅ 45 mm	120	97	163	395	153				55			18.0	-	
VXCm 10/45	VXC 10/45														19.7	18.0	
VXCm 15/45	VXC 15/45														21.9	20.8	