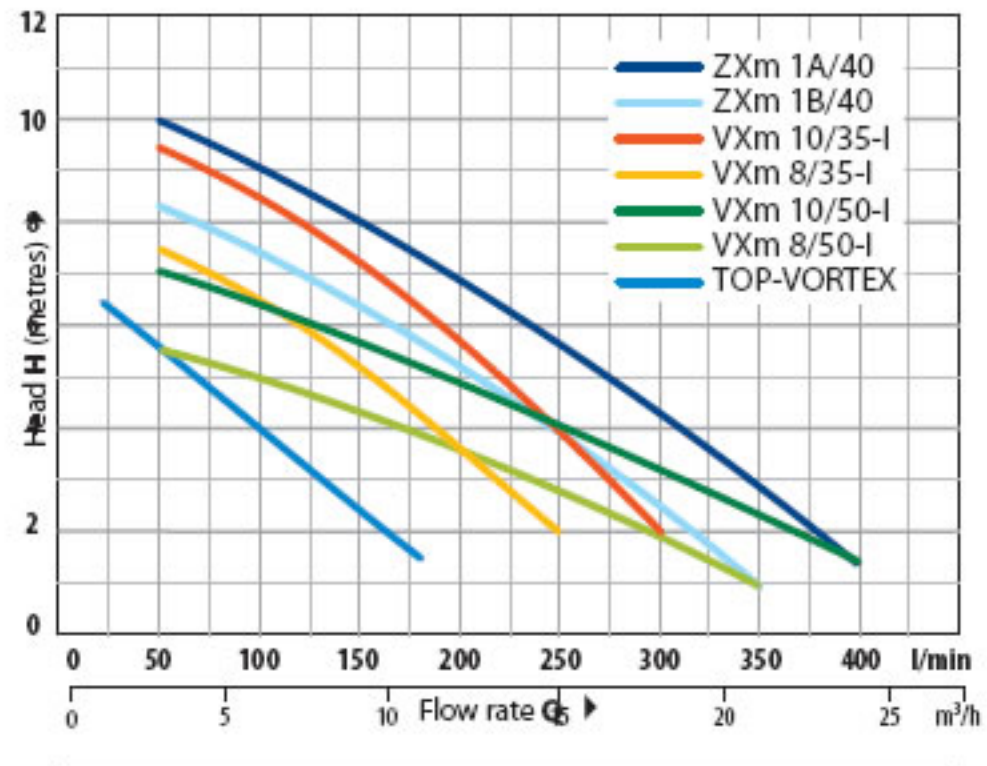
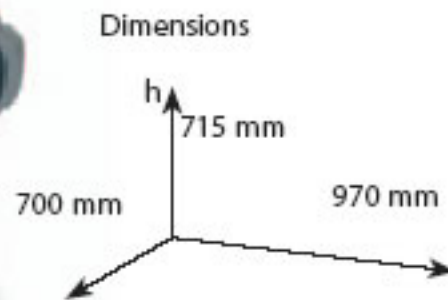


# SAR 250



## COMPONENTS

- 250 litre polyethylene tank with cover
- Single-phase pump complete with float switch and 10 metre long power cable.
- Connections for inlet pipes  $\varnothing$  110 mm, outlet pipes (see table) and gas vent pipes  $\varnothing$  50 mm
- Guide rails for raising and lowering the pump (only for VX-I)

## ON REQUEST

- **Alarm kit** composed of a float, siren and a control box
- **300 mm** access cover extension

TYPE Single-phase	POWER		Q m³/h l/min	Flow rate (l/min)																	PORT DN
	kW	HP		0	1.2	2.4	3.0	3.6	4.5	4.8	6.0	7.2	8.4	9.0	9.6	10.8	12	15	18	21	
TOP - VORTEX	0.37	0.50	7	6.5	6	5.7	5.4	5	4.8	4.2	3.5	3	2.6	2.5	1.5	-	-	-	-	-	1¼"
ZXm 1B/40	0.50	0.70	9	8.5	8.4	8.3	8.1	8	7.8	7.5	7.1	6.6	6.5	6.1	5.7	5.2	4	2.5	1	-	1½"
ZXm 1A/40	0.60	0.85	11	10.5	10.3	10	9.9	9.5	7.8	9.2	8.8	8.4	8.2	7.9	7.4	7	5.7	4.3	2.8	1.5	
VXm 8/35-I	0.60	0.85	8.4	8.2	7.8	7.5	7.2	7	6.7	6.5	6.1	5.7	5.2	4.7	4.2	3.7	2	-	-	-	
VXm 10/35-I	0.75	1	10	9.9	9.7	9.5	9.2	9.0	8.8	8.5	8.1	7.6	7.2	6.7	6.2	5.8	4	2	-	-	
VXm 8/50-I	0.60	0.85	6	5.9	5.7	5.5	5.4	5.3	5.2	5	4.8	4.6	4.4	4.1	3.8	3.6	2.8	2	1	-	
VXm 10/50-I	0.75	1	7.5	7.4	7.2	7	6.9	6.8	6.7	6.5	6.2	5.9	5.8	5.5	5.2	5	4	3.2	2.4	1.5	

**PUMP EXPRESS 0845 130 3300**



## VORTEX submersible electropumps for sewage waters

**VORTEX submersible pumps made completely of stainless steel, for professional use, with generous dimensions, particularly reliable.**

**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 400 l/min (24 m<sup>3</sup>/h)  
Head up to 10 m

### LIMITS OF USE

Depth of use up to 5 m  
Liquid temperature up to + 40°C  
Passage of suspended solid bodies up to Ø 50 mm  
For continuous duty: minimum immersion 280 mm

### EXECUTION AND SAFETY STANDARDS

EN 60 335-1	EN 60034-1
IEC 335-1	IEC 34-1
CEI 61-150	CEI 2-3



### USES AND INSTALLATIONS

THEY ARE RECOMMENDED FOR DRAINING SOLID-LADEN WASTE WATER IN THE DOMESTIC, CIVIL AND INDUSTRIAL SECTOR, IN ALL CASES WHERE THE WATERS CONTAIN SUSPENDED SOLID BODIES WITH DIMENSIONS UP TO Ø 50 mm, FOR EXAMPLE WATERS MIXED WITH MUD, GROUNDWATER, SURFACE WATERS. THEIR USE IS RECOMMENDED FOR DRYING FLOODED AREAS SUCH AS CELLARS, UNDERGROUND CAR PARKS, CAR WASHING AREAS, FOR EMPTYING CESSPITS, SEWAGE DISPOSAL. THESE PUMPS ARE OUTSTANDING FOR THEIR RELIABILITY IN FIXED INSTALLATIONS WITH AUTOMATIC OPERATION.

**GUARANTEE 2 YEARS** according to our general terms of sale.

### CONSTRUCTION CHARACTERISTICS

- **DELIVERY BODY:** stainless steel AISI 304, with threaded inlet ISO 228/1.
- **MOTOR JACKET AND BASE:** stainless steel AISI 304.
- **IMPELLER:** stainless steel AISI 304.
- **MOTOR SHAFT:** stainless steel AISI 316.
- **DOUBLE MECHANICAL SEAL:** carburundum - NBR - stainless steel AISI 316 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.  
VXm-I: single-phase 220÷240 V - 50 Hz with condenser and thermal overload protector built into the winding.  
VX-I: three-phase 380÷415 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 68.

### THE ELECTROPUMPS ARE COMPLETE WITH:

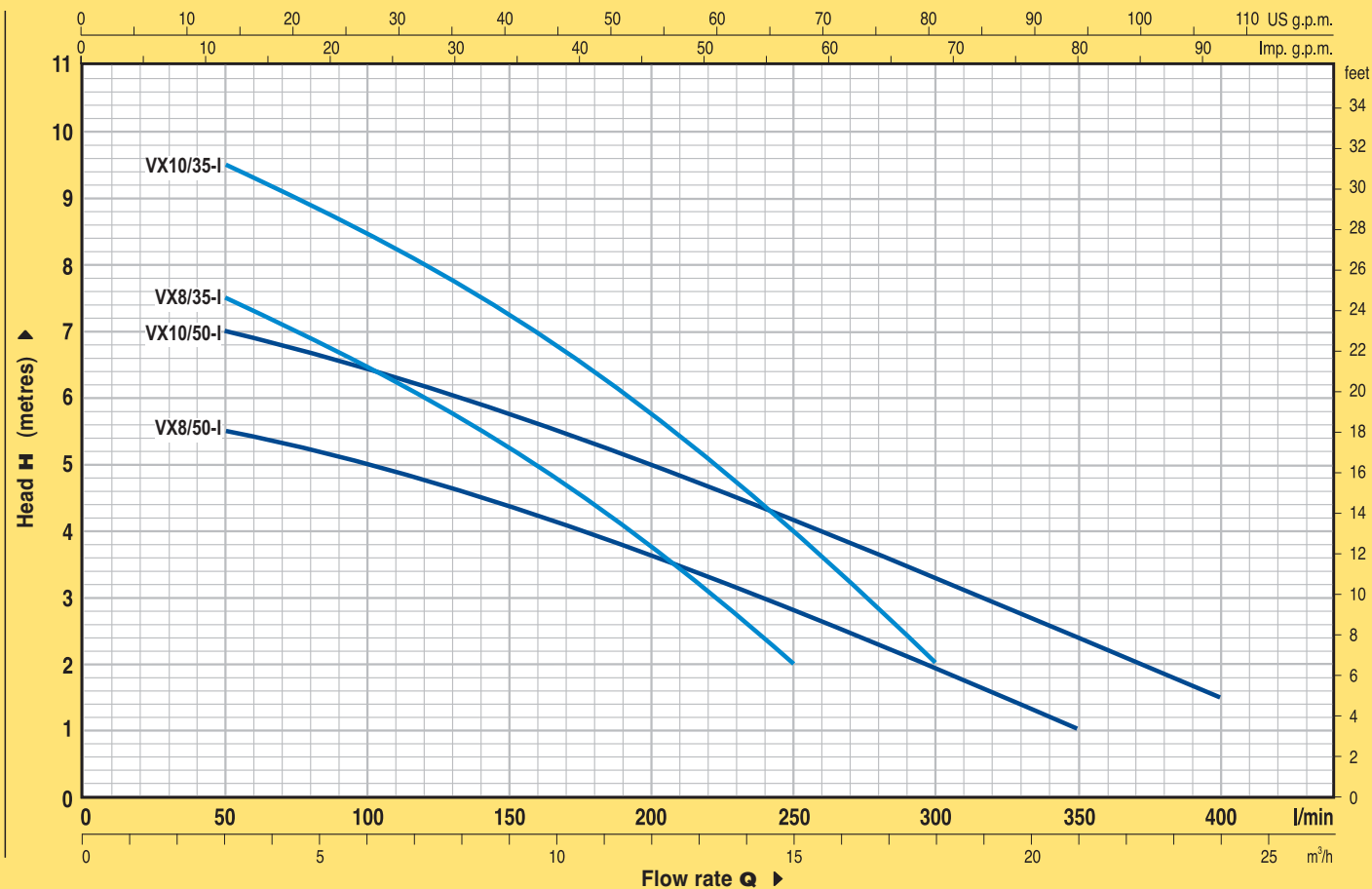
**VXm-I** (single-phase) Flow switch.  
Neoprene power cable "H07 RN-F"  
length **5 metres** with Schuko plug.

**VX-I** (three-phase) Neoprene power cable "H07 RN-F"  
length **5 metres**.

### EXECUTIONS ON REQUEST

- ⇒ electropumps with 10 metre power cable.  
N.B. obligatory for outdoor use according to standard EN 60335-2-41
- ⇒ single-phase electropumps without float switch
- ⇒ other voltages or frequency 60 Hz

**CURVES AND PERFORMANCE DATA AT n= 2900 1/min**

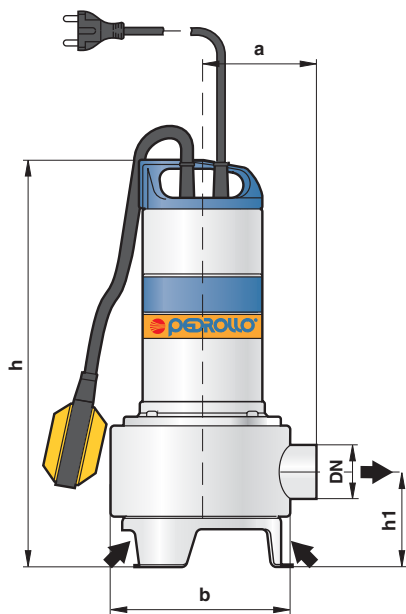


TYPE		POWER		Q	H metres										
Single-phase	Three-phase	kW	HP		m³/h	0	3	6	9	12	15	18	21	24	
				l/min	0	50	100	150	200	250	300	350	400		
VXm 8/35-I	—	0.60	0.85	8.4	7.5	6.5	5.2	3.7	2						
VXm 10/35-I	VX 10/35-I	0.75	1	10	9.5	8.5	7.2	5.8	4	2					
VXm 8/50-I	—	0.60	0.85	6	5.5	5	4.4	3.6	2.8	2	1				
VXm 10/50-I	VX 10/50-I	0.75	1	7.5	7	6.5	5.8	5	4	3.2	2.4	1.5			

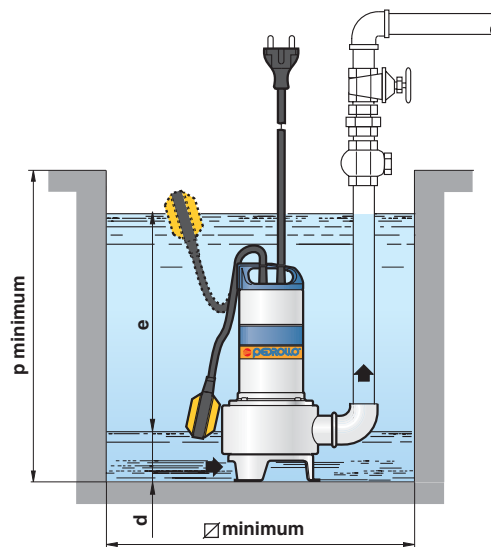
Q = Flow rate H = Total manometric head

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

**DIMENSIONS AND WEIGHTS**



**Typical single-phase installation**



TYPE		INLET DN	passage of solid bodies	DIMENSIONS mm								kg	
Single-phase	Three-phase			a	b	h	h1	d	e	p	Ø	1~	3~
VXm 8/35-I	—	1 1/2"	Ø 35 mm	108	166	380	87	40	adjustable	500	500	9.7	-
VXm 10/35-I	VX 10/35-I			118		410	108	55				9.6	9.3
VXm 8/50-I	—	2"	Ø 50 mm	118	410	108	55	12.8				-	
VXm 10/50-I	VX 10/50-I			118	410	108	55	10.7	9.7				