


## Submersible pumps

 Dirty water

 Domestic use



### PERFORMANCE RANGE

- Flow rate up to **400 l/min** (24 m<sup>3</sup>/h)
- Head up to **11 m**

### APPLICATION LIMITS

- **5 m** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C**
- Passage of suspended solids up to **Ø 40 mm**
- Suction down to **50 mm** above ground level
- **240 mm** minimum immersion depth for continuous service

### CONSTRUCTION AND SAFETY STANDARDS

- **5 m** long power cable
- Float switch for single-phase versions

EN 60335-1  
IEC 60335-1  
CEI 61-150

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



### CERTIFICATIONS

Company with management system certified DNV  
ISO 9001: QUALITY

### INSTALLATION AND USE

**ZX** series pumps are suitable for draining **dirty water** in domestic applications and for pumping dirty water containing suspended solids up to Ø 40 mm. They distinguish themselves for the ease with which they are installed and their reliability under automatic operating conditions in fixed installations.

### OPTIONS AVAILABLE ON REQUEST

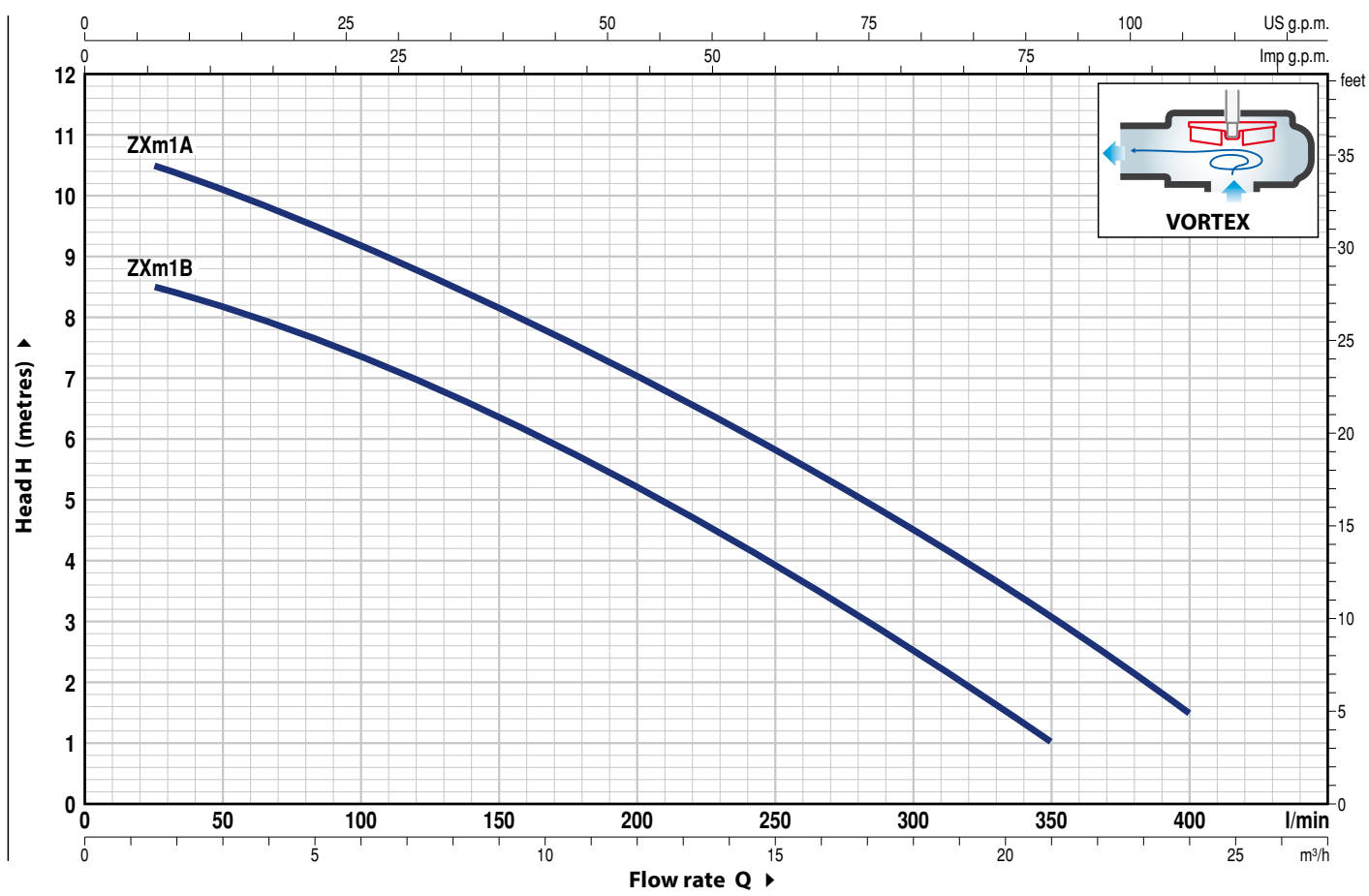
- Pumps with a **10 m** long power cable.  
➡ N.B.: Standard EN 60335-2-41 states that the power cable must be 10 m long for outdoor applications
- Single-phase pumps without float switch
- Other voltages

### GUARANTEE

2 years subject to terms and conditions

## CHARACTERISTIC CURVES AND PERFORMANCE DATA

60 Hz n= 3450 min<sup>-1</sup>



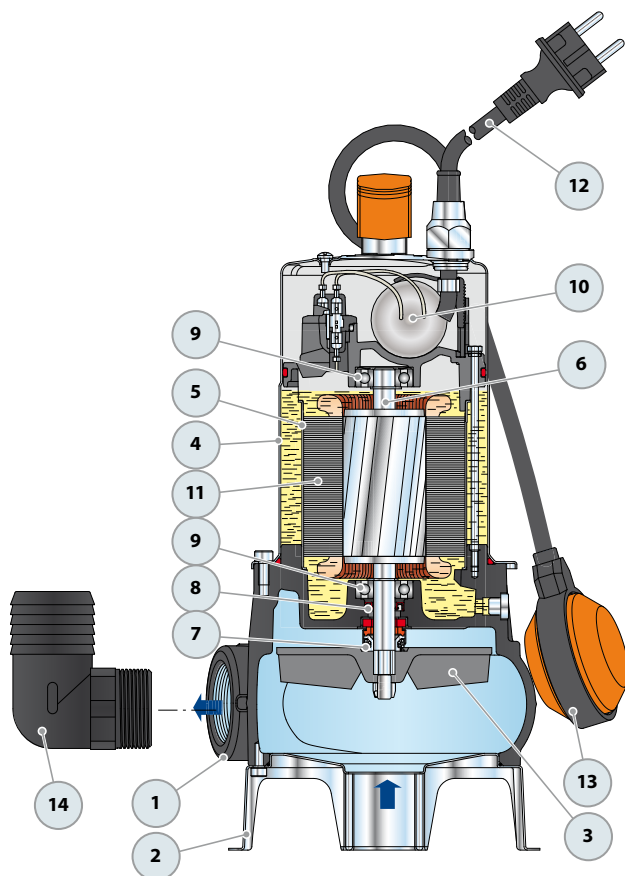
MODEL Single-phase	POWER (P <sub>2</sub> )		Q m³/h l/min	0	1.5	3.0	4.5	6.0	9.0	12.0	15.0	18.0	21.0	24.0
	kW	HP		0	25	50	75	100	150	200	250	300	350	400
ZXm 1B/40	0.50	0.70	H metres	9	8.5	8.3	8	7.5	6.5	5.2	4	2.5	1	
ZXm 1A/40	0.60	0.85		11	10.5	10	9.5	9.2	8.2	7	5.7	4.3	2.8	1.5

Q = Flow rate H = Total manometric head

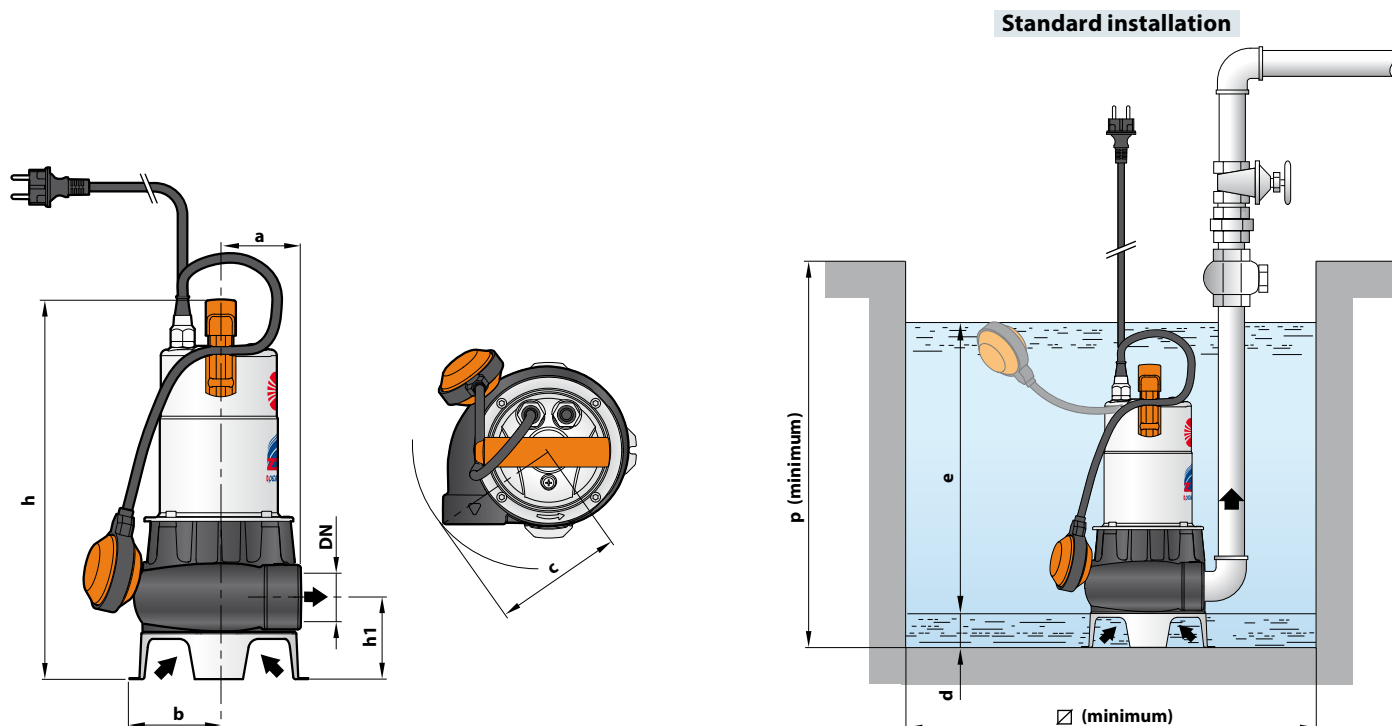
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

## POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1	PUMP BODY	Cast iron with threaded port in compliance with ISO 228/1			
2	BASE	Stainless steel AISI 304			
3	IMPELLER	Technopolymer VORTEX type			
4	MOTOR SLEEVE	Stainless steel AISI 304			
5	MOTOR CASING	Stainless steel			
6	MOTOR SHAFT	Stainless steel AISI 431			
7	SHAFT WITH DOUBLE SEAL				
	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
	STA-12R	Ø 12 mm	Ceramic	Graphite	NBR
8	LIP SEAL	Ø 12 x Ø 22 x H 6 mm			
9	BEARINGS	6201 ZZ / 6201 ZZ			
10	CAPACITOR				
	Pump	Capacitance			
	Single-phase	(220 V)	(110 V or 127 V)		
	ZXm 1B/40	12.5 µF - 450 VL	30 µF - 250 VL		
	ZXm 1A/40	16 µF - 450 VL	30 µF - 250 VL		
11	ELECTRIC MOTOR				
	ZXm: single-phase 220 V - 60 Hz with thermal overload protector incorporated into the winding				
	– Insulation: class F				
	– Protection: IP X8				
12	POWER CABLE				
	"H07 RN-F" with Schuko plug				
	Standard length 5 metres				
13	FLOAT SWITCH				
	(only for single-phase versions)				
14	HOSE CONNECTION				
	Ø 50 mm				



## DIMENSIONS AND WEIGHT



MODEL	PORT	Passage of solids	DIMENSIONS mm									kg
Single-phase	DN		a	b	c	h	h1	d	e	p	Ø	1~
ZXm 1B/40	1½"	Ø 40 mm	75	89	130	378	82	50	variable	450	450	11.6
ZXm 1A/40												12.0

## ABSORPTION

MODEL	VOLTAGE		
Single-phase	220 V	110 V	127 V
ZXm 1B/40	3.6 A	7.2 A	6.2 A
ZXm 1A/40	5.0 A	10.0 A	9.0 A

## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
ZXm 1B/40	60	80
ZXm 1A/40	60	80