

 Sewage water

 Domestic use

 Civil use



PERFORMANCE RANGE

- Flow rate up to **400 l/min** (24 m³/h)
- Head up to **13 m**

APPLICATION LIMITS

- **5 m** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C**
- Passage of solids:
 - up to **Ø 30 mm** for ZXm 2/30-GM
 - up to **Ø 40 mm** for ZXm 2/40-GM
- Minimum immersion depth for continuous service:
 - **265 mm** for ZXm 2/30-GM
 - **275 mm** for ZXm 2/40-GM

CONSTRUCTION AND SAFETY STANDARDS

The pumps are complete with:

- **5 m** long power cable
- Liquid level vertical sliding magnetic float switch (adjustable)
- kose connection Ø 50 mm

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

ZX2GM series pumps are suitable for draining **dirty water** in domestic and civil 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.

PATENTS - TRADE MARKS - MODELS

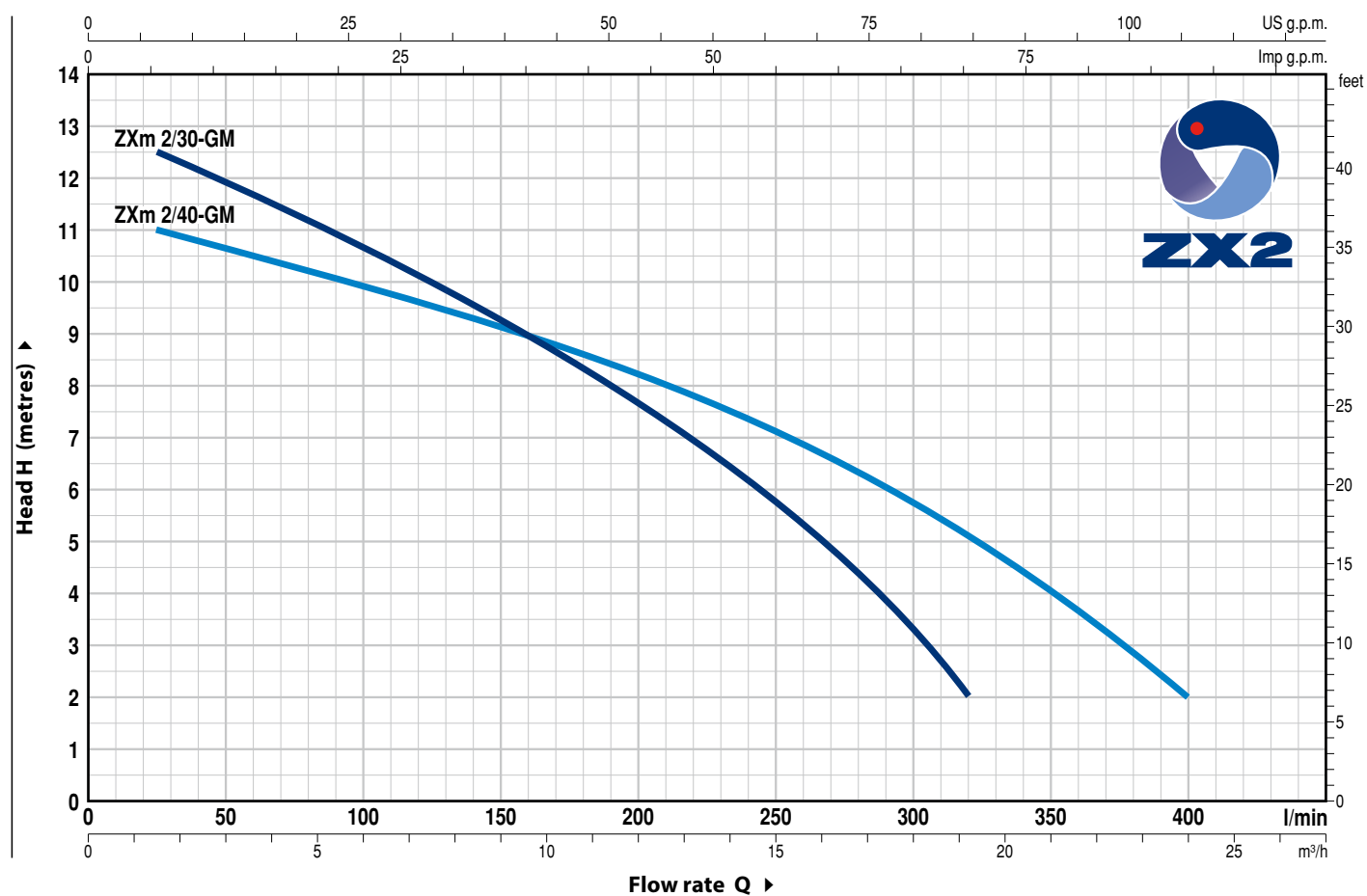
- Patent n. EP2313658
- Patent n. IT0001428923

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 or 60 Hz frequency

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min⁻¹

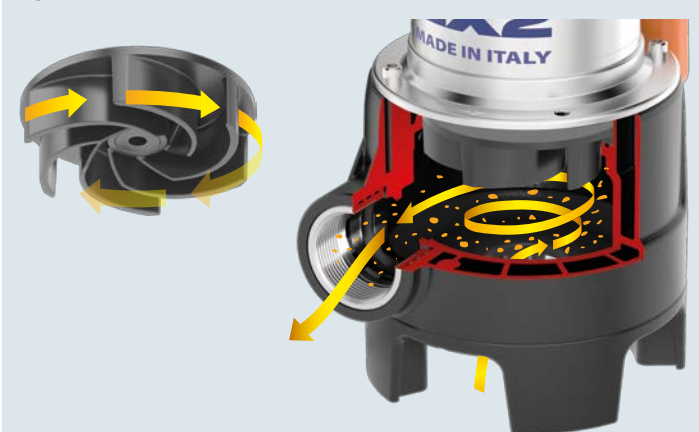


MODEL	POWER (P ₂)		Q	0	1.5	3	6	9	12	15	18	19.2	21	24
	kW	HP		0	25	50	100	150	200	250	300	320	350	400
ZXm 2/30-GM	0.55	0.75	H metres	13	12.5	11.8	10.6	9.3	7.6	5.8	3.3	2		
ZXm 2/40-GM	0.55	0.75		11.5	11	10.6	9.8	9.2	8.2	7.2	5.7	5.2	4	2

Q = Flow rate H = Total manometric head

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

VORTEX IMPELLER



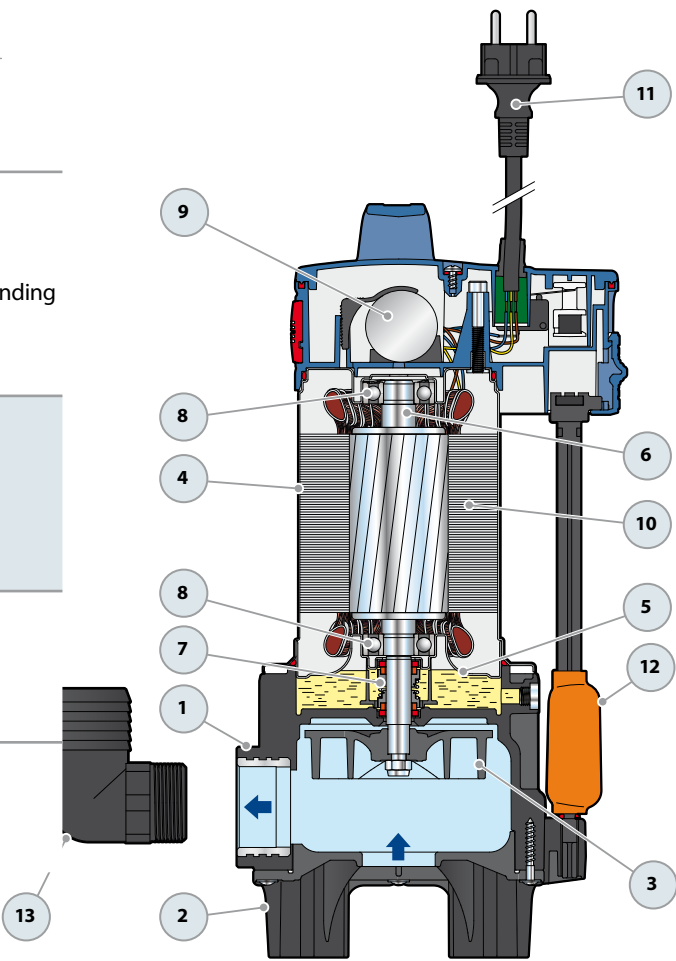
SELECTOR FOR AUTOMATIC OR MANUAL OPERATION



POS. COMPONENTCONSTRUCTION CHARACTERISTICS

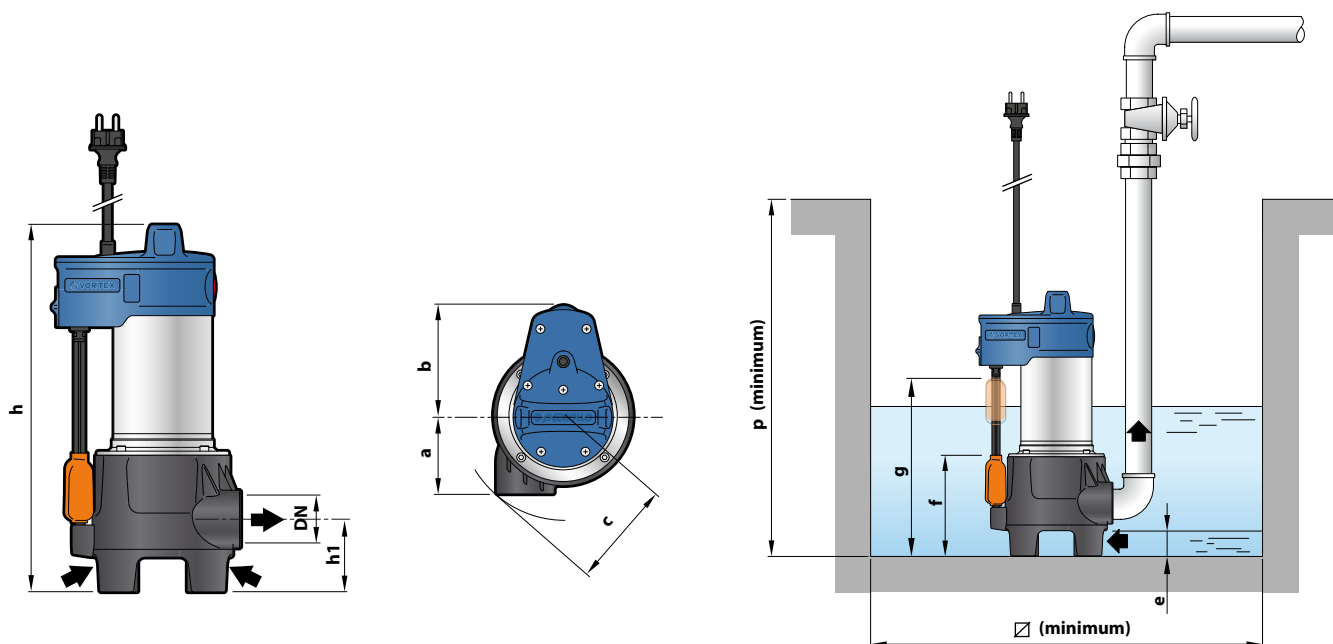
1	PUMP BODY	Glass fibre reinforced technopolymer complete with threaded delivery port in compliance with ISO 228/1 (5 years guarantee)				
2	BASE	Glass fibre reinforced technopolymer				
3	IMPELLER	Glass fibre reinforced technopolymer VORTEX type				
4	MOTOR CASING	Stainless steel AISI 304				
5	MOTOR CASING PLATE	Stainless steel AISI 304				
6	MOTOR SHAFT	Stainless steel AISI 431				
7	SHAFT WITH DOUBLE MECHANICAL SEAL SEPARATED BY AN OIL CHAMBER					
	Seal	Shaft	Position	Materials		
	Model	Diameter		Stationary ring	Rotational ring	Elastomer
	MG1-14D SIC	Ø 14 mm	Motor side	Silicon carbide	Graphite	NBR
			Pump side	Silicon carbide	Silicon carbide	NBR
8	BEARINGS	6203 ZZ / 6203 ZZ				
9	CAPACITOR					
	Capacitance					
	(230 V or 240 V)					
	20 µF 450 VL					
10	ELECTRIC MOTOR					
	ZXm 2-GM: single-phase 230 V - 50 Hz					
	with thermal overload protector incorporated into the winding					
	– Insulation: class F					
	– Protection: IP X8					
11	POWER CABLE					
	“H07 RN-F” type					
	(with Schuko plug for single-phase versions only)					
	Standard length 5 metres					
12	LEVEL FLOAT SWITCH					
	Liquid level vertical sliding magnetic float switch					
	(adjustable)					
13	HOSE CONNECTION					
	Ø 50 mm					

The diagram is a vertical cross-section of the pump assembly. At the top, a power cable with a Schuko plug (11) enters the motor housing. The motor (10) is shown with its internal components. Below the motor is the pump body (1) which contains the impeller (3) mounted on a motor shaft (6). The shaft is supported by bearings (8) and sealed by a double mechanical seal (7) with stationary and rotational rings. The seal is lubricated by an oil chamber. The pump body is connected to a hose (13) at the bottom. A level float switch (12) is also shown on the right side of the pump body. The entire assembly is mounted on a base (2).



DIMENSIONS AND WEIGHT

Standard installation



MODEL	PORT DN	Passage of solids	DIMENSIONS mm										kg 1~
			a	b	c	h	h1	e	f	g	p	Ø	
ZXm 2/30-GM	1½"	Ø 30 mm	90	127	118	344	73	50	130	260	450	300	10.5
ZXm 2/40-GM		Ø 40 mm				404	83		140	270			10.6

ABSORPTION

MODEL	VOLTAGE	
	230 V	240 V
ZXm 2/30-GM	4.0 A	3.9 A
ZXm 2/40-GM	4.0 A	3.9 A

PALLETIZATION

MODEL	GROUPAGE
Single-phase	n. pumps
ZXm 2/30-GM	54
ZXm 2/40-GM	54