

Code	48SGV91A0A1
Family	VX /35-50
Group	Sewage Pumps
Typology	Submersible

Extra UE Only	No
Uses	Civil
	Household
	Industrial

Application limits

Liquid Type	Sewage Water
Minimum liquid temperature	0 °C
Maximum liquid temperature	40 °C
Maximum Chlorine Content	- ppm
Maximum Sand Content	- ppm
Manometric suction lift	0 m
Maximum immersion depth	5,00 m
Maximum Ambient Temperature	- °C
Minimum Ambient Temperature	- °C
Maximum Working Pressure	- bar

Duty Point

Flow rate (actual)	249 l/min
Head (actual)	7,04 m

Pump nameplate data

Flow rate	50 - 400 l/min
Head	10 - 2 m
Maximum head	11 m
Minimum head	2 m
Minimum Efficiency Index	-

Motor nameplate data

Voltage	220-240 V
Phases	1
Frequency	50 Hz
Rotation Speed	2900 rpm
Rated output power	0,75 kW
Rated Current	5,5 A
Input power P1	1,20 kW
Efficiency grade	Undefined
Capacitor	25 µF
Capacitor Voltage	450 V
Insulation Class	F
Enclosure class IP	X8

Construction and safety standards

Power cable length:

- 5 m for VX8-10/35, VX8-10/50
- 10 m for VX15/35, VX15/50

Float switch for single-phase versions.

- EN 60335-1, IEC 60335-1
- EN 60034-1, IEC 60034-1

Connections

Type of connection	Gas threaded
Size of suction connection	-
Size of delivery connection	1 1/2"

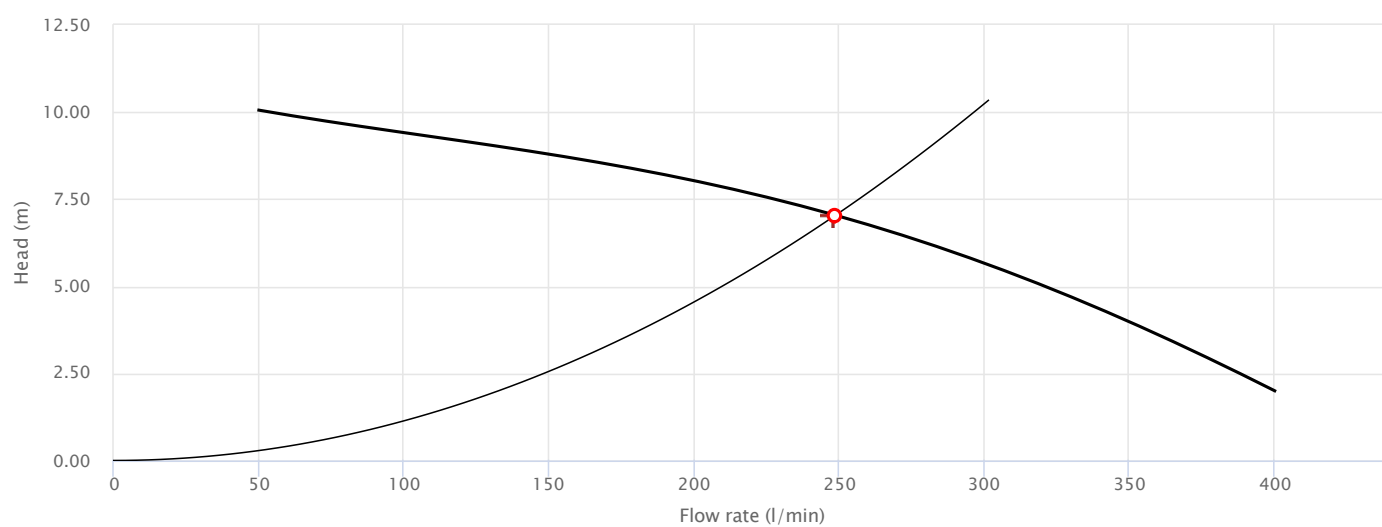
Input Data

Rated flow rate (requested)	248 l/min
Rated head (requested)	7,00 m
System geodetic head	0,000 m
System friction losses	7,00 m
NPSH Available	0,000 m
Liquid	Water
Temperature	20 °C
Density	998,1 kg/m³
Kinematic Viscosity	1,00 mm²/s
Vapour Pressure	2 318 Pa

Other Pump Data

Max Sound Pressure Level (1 m)	- dBA
Horizontal installation	No
Solids free passage	40,00 mm

Performance



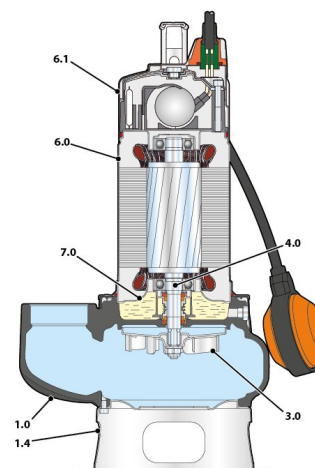
Construction

Bearings

Motor bearing - pump side	6203 ZZ
Motor bearing - opposite side	6203 ZZ

Shaft Seal

Seal Type	Double mechanical seal in an oil chamber
Diameter MS	14
Stationary Ring MS	Silicon Carbide
Rotating Ring MS	Graphite
Elastomer MS	NBR
Pump Side Model	MG1-14D SIC
Diameter PS	14
Stationary Ring PS	Silicon Carbide
Rotating Ring PS	Silicon Carbide
Elastomer PS	NBR



Materials

1.0 - Pump casing	Grey cast iron GJL 200 EN 1561
1.4 - Base	Stainless steel EN 1.4301 (AISI 304)
3.0 - Impeller	Stainless steel EN 1.4301 (AISI 304)
4.0 - Pump Shaft	Stainless steel EN 1.4057 (AISI 431)
6.0 - Motor casing	Stainless steel EN 1.4301 (AISI 304)
6.1 - Motor Cover	Stainless steel EN 1.4301 (AISI 304)
7.0 - Bracket	Stainless steel EN 1.4301 (AISI 304)

Dimensions

DN2	a	b	c	d	f	h	h1	p	x	Kg
	[mm]									
1 1/2"	115	95	148	55	200	439	158	500	500	13,5

