

Code	48SGV970HA
Family	VX /40-50
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	10.00 m
Maximum Ambient Temperature	- °C
Minimum Ambient Temperature	- °C
Maximum Working Pressure	- bar

Duty Point

Flow rate (actual)	0.000 l/min
Head (actual)	0.000 m

Pump nameplate data

Flow rate	100 - 1000 l/min
Head	25 - 6.5 m
Maximum head	26 m
Minimum head	6.5 m
Minimum Efficiency Index	-

Motor nameplate data

Voltage	380-415 V
Phases	3
Frequency	50 Hz
Rotation Speed	2900 rpm
Rated output power	4.00 kW
Rated Current	7 A
Input power P1	4.20 kW
Efficiency grade	Undefined
Capacitor	- µF
Capacitor Voltage	- V
Insulation Class	F
Enclosure class IP	X8

Construction and safety standards

10 m long power cable.
External float switch and control box for single-phase versions.

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

Connections

Type of connection	Flanged PN 6 EN 1092-2 and Gas threaded
Size of suction connection	-
Size of delivery connection	50

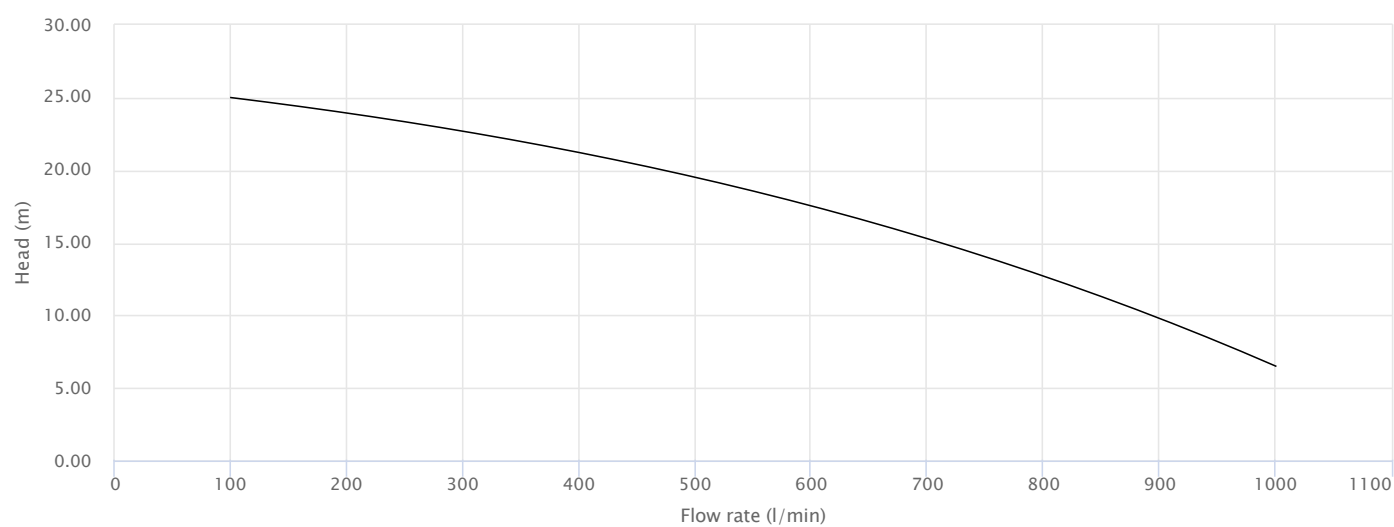
Input Data

Rated flow rate (requested)	0.000 l/min
Rated head (requested)	0.000 m
System geodetic head	0.000 m
System friction losses	0.000 m
NPSH Available	0.000 m
Liquid	Water
Temperature	20 °C
Density	998.1 kg/m ³
Kinematic Viscosity	1.00 mm ² /s
Vapour Pressure	2,318 Pa

Other Pump Data

Max Sound Pressure Level (1 m)	- dBA
Horizontal installation	No
Solids free passage	50.00 mm

Performance



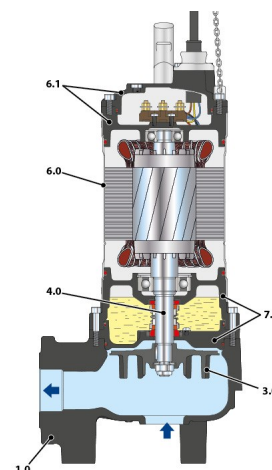
Construction

Bearings

Motor bearing - pump side	6306 ZZ C3
Motor bearing - opposite side	6304 ZZ C3

Shaft Seal

Seal Type	Double mechanical seal in an oil chamber
Diameter MS	25
Stationary Ring MS	Silicon Carbide
Rotating Ring MS	Graphite
Elastomer MS	NBR
Pump Side Model	ED560-25
Diameter PS	25
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
3.0 - Impeller	Grey cast iron GJL 200 EN 1561
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	Grey cast iron GJL 200 EN 1561
7.0 - Bracket	Grey cast iron GJL 200 EN 1561

Dimensions

DN2	a	b	c	d	h	h1	p	x	
	[mm]								Kg
50	170	107	193	55	642	100	1000	1000	58.3

