

Code	48SHTG055A1
Family	TRITUS TIG
Group	Sewage water with grinder
Typology	Submersible

Extra UE Only	No
Uses	Household

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)	0.000 l/min
Head (actual)	0.000 m

Pump nameplate data

Flow rate	20 - 130 l/min
Head	14.5 - 2 m
Maximum head	16 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	0.55 kW
Rated Current	4.5 A
Input power P1	1.05 kW
Efficiency grade	Undefined
Capacitor	25 µF
Capacitor Voltage	450 V
Insulation Class	F
Enclosure class IP	X8

Construction and safety standards

The pumps are complete with:

- 10 m long power cable
- Control box for single-phase versions

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

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

Connections

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

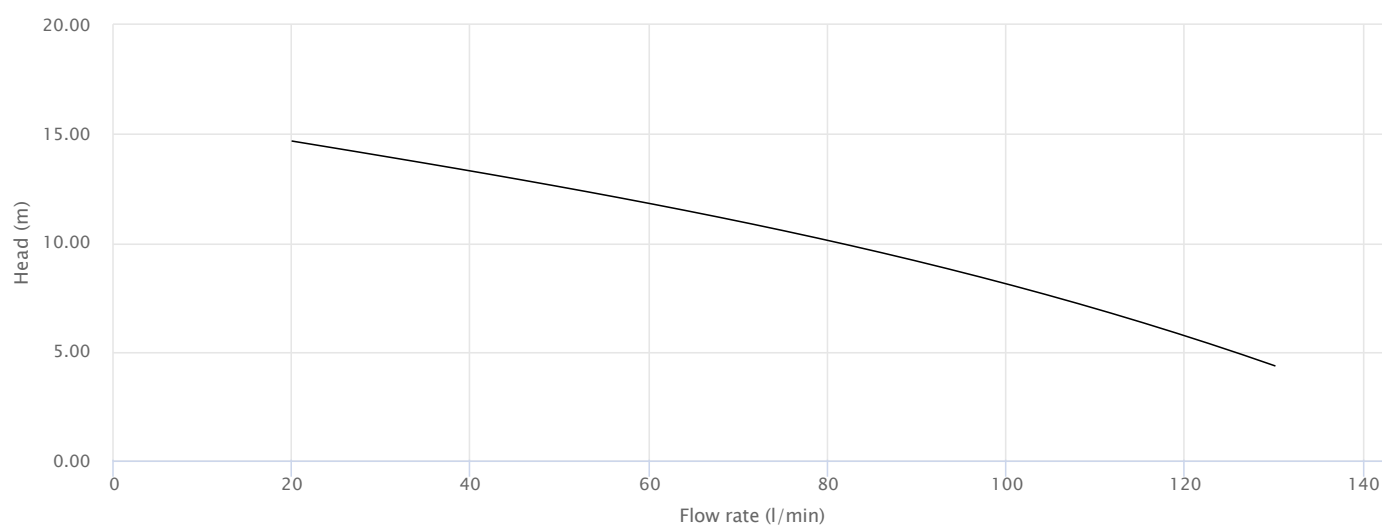
Input Data

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/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	- mm

Performance



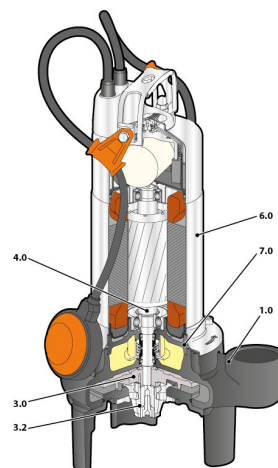
Construction

Bearings

Motor bearing - pump side	6303 2RS-C3
Motor bearing - opposite side	6203 ZZ-C3E

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

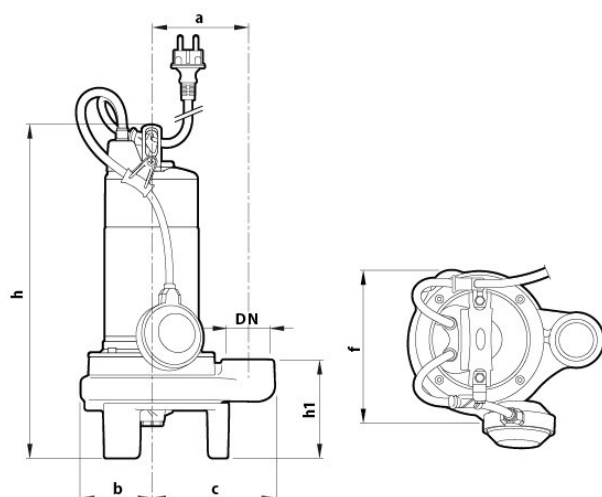


Materials

1.0 - Pump casing	Grey cast iron GJL 200 EN 1561
3.0 - Impeller	Tecnopolimero
3.2 - Grinder	Acciaio inossidabile EN 1.4125 (AISI 440C) temprato
4.0 - Pump Shaft	Stainless steel EN 1.4057 (AISI 431)
6.0 - Motor casing	Stainless steel EN 1.4301 (AISI 304)
7.0 - Bracket	Grey cast iron GJL 200 EN 1561

Dimensions

DN2	a	b	c	d	f	h	h1	p	x	Kg
	[mm]									
1 1/2"	115	85	147	65	177	398	117	500	500	14,5



Installazione tipica

