

Code	48SHT02A
Family	TRITUS Medium
Group	Sewage water with grinder
Typology	Submersible

Extra UE Only	No
Uses	Civil
	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	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	20 - 270 l/min
Head	25 - 2 m
Maximum head	26 m
Minimum head	2 m
Minimum Efficiency Index	-

Motor nameplate data

Voltage	380-415 V
Phases	3
Frequency	50 Hz
Rotation Speed	2900 rpm
Rated output power	1.50 kW
Rated Current	3.7 A
Input power P1	2.10 kW
Efficiency grade	Undefined
Capacitor	- µF
Capacitor Voltage	- 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

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	40

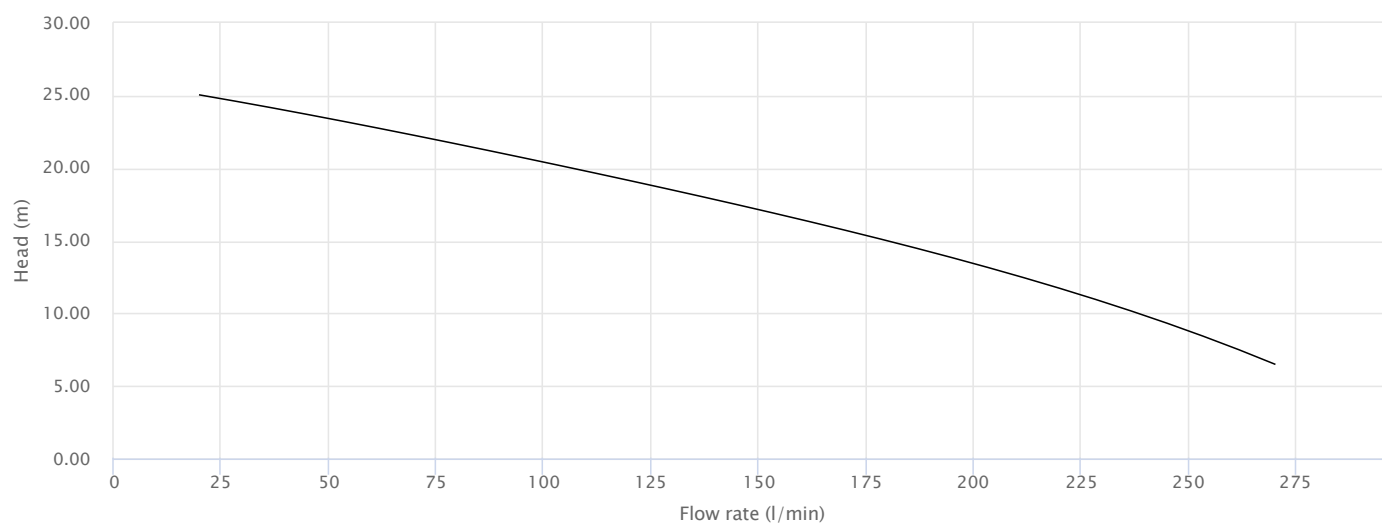
Input Data

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

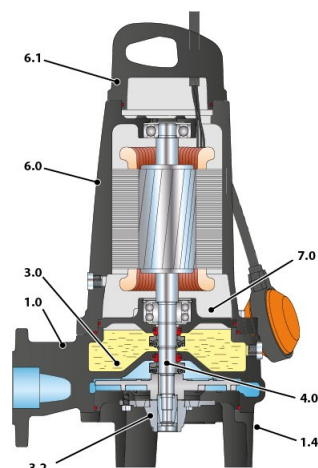
Bearings

Motor bearing - pump side	3304 B-ZZ-C3
Motor bearing - opposite side	6304 ZZ-C3

Shaft Seal

Seal Type	Two mechanical seals separated by an oil chamber
-----------	--

Motor Side Model	STA-20
Diameter MS	20
Stationary Ring MS	Ceramic
Rotating Ring MS	Graphite
Elastomer MS	NBR
Pump Side Model	STA-19
Diameter PS	19
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	Grey cast iron GJL 200 EN 1561
3.0 - Impeller	Stainless steel EN 1.4301 (AISI 304)
3.2 - Grinder	Stainless steel EN 1.4125 (AISI 440C) hardened
4.0 - Pump Shaft	Stainless steel EN 1.4057 (AISI 431)
6.0 - Motor casing	Grey cast iron GJL 200 EN 1561
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	Kg
	[mm]								
40	172	105	221	95	489	87.5	800	800	42.1

