

Code	48SGQ9853A
Family	MC-F
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 - 1100 l/min
Head	22 - 2 m
Maximum head	24 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	2.20 kW
Rated Current	6.5 A
Input power P1	3.90 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	Flangiate PN 10 EN 1092-2 e filettate Gas
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Size of suction connection
Size of delivery connection

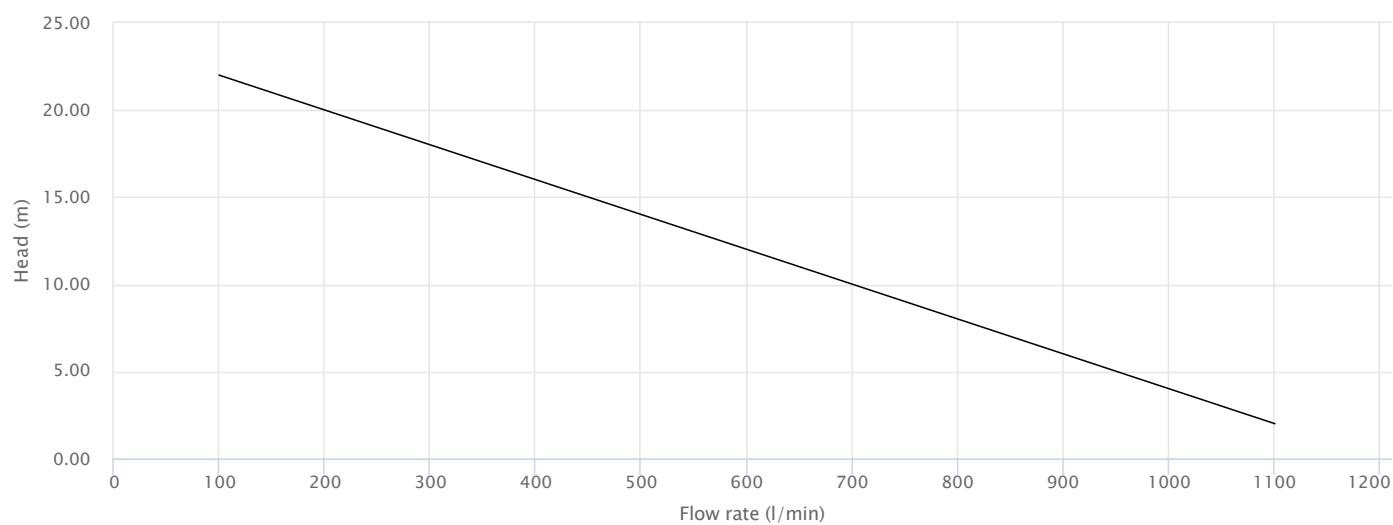
Input Data

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

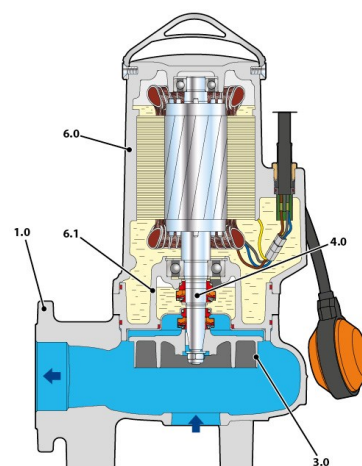
Bearings

Motor bearing - pump side	6305 CM D 6
Motor bearing - opposite side	6204 ZZ-C3

Shaft Seal

Seal Type	Two mechanical seals separated by an oil chamber
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Motor Side Model	STA-22
Diameter MS	22
Stationary Ring MS	Ceramic
Rotating Ring MS	Graphite
Elastomer MS	NBR
Pump Side Model	STA-20
Diameter PS	20
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	Stainless steel EN 1.4301 (AISI 304)
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

Dimensions

a	b	c	e	f	g	h	h1
[mm]							
170	119	242	160	145	185	487	102

Kg
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