

Code	48TXV12A1
Family	RX 2-3 VORTEX
Group	Dirty water drainage
Typology	Submersible

Extra UE Only	No
Uses	Civil Household

Application limits

Liquid Type	Dirty Water
Minimum liquid temperature	0 °C
Maximum liquid temperature	50 °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 - 190 l/min
Head	7.5 - 2 m
Maximum head	7.9 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	0.37 kW
Rated Current	2.3 A
Input power P1	0.50 kW
Efficiency grade	Undefined
Capacitor	10 µF
Capacitor Voltage	450 V
Insulation Class	F
Enclosure class IP	X8

Construction and safety standards

The pumps are complete with:

- 5 m long power cable
- 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 1/4"

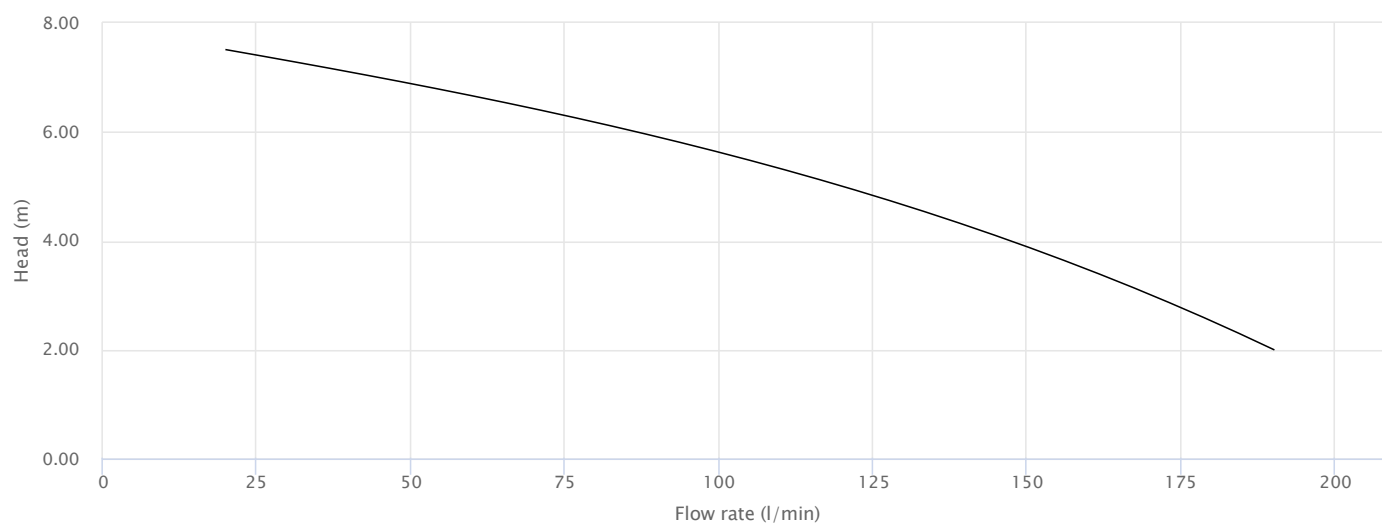
Input Data

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	20.00 mm

Performance



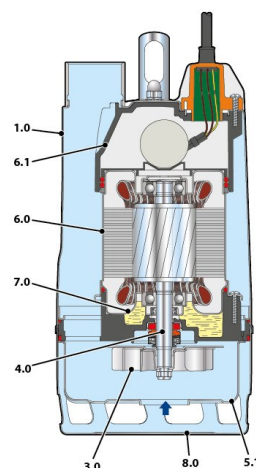
Construction

Bearings

Motor bearing - pump side	6201 ZZ
Motor bearing - opposite side	6201 ZZ

Shaft Seal

Seal Type	Double: Mechanical seal and Lip seal in an oil chamber
Diameter MS	12
Elastomer MS	NBR
Pump Side Model	STA-12R SIC
Diameter PS	12
Stationary Ring PS	Ceramic
Rotating Ring PS	Silicon Carbide
Elastomer PS	NBR



Materials

1.0 - Pump casing	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)
5.1 - Diffuser	Stainless steel EN 1.4301 (AISI 304)
6.0 - Motor casing	Stainless steel EN 1.4301 (AISI 304)
6.1 - Motor Cover	Reinforced technopolymer
7.0 - Bracket	Stainless steel EN 1.4301 (AISI 304)
8.0 - Suction Strainer/Filter	Stainless steel EN 1.4301 (AISI 304)

Dimensions

DN2	a	b	d	h	h1	p	x	Kg
	[mm]							
1 1/4"	147	83	25	300	275	350	350	5.8

