Data sheet

Pumping station Aquapump XL Tronic, STZ 3700-S1

Article information

article number: 8743016
EAN code: 4026092075708
Price group: 60

Product advantages

- Maximum safety
- Flexible installation
- Suitable for potentially explosive atmospheres

Description

The pumping station for wastewater with and without sewage is equipped with one or two submersible pumps, a backflow preventer and a shut-off valve for the pressure pipe. The collection tank made of permanently resistant polymer (PE) has an open pump tank (wet installation) with universal connection options. The station is controlled by a user-friendly control unit, which is optionally integrated in the building management system via a potential-free contact. Alternatively, alarm and collective fault messages can be output via a GSM interface. The KESSEL modular system provides different engineering chamber options as accessories for the further layout. Stainless steel pump removal chain available as accessory. Art. no. 680 528 = length 2 m 680 529 = length 3 m 680 530 = length 4 m 680 531 = length 5 m

In the Software Centre, you will find the files available for your system relating to the commissioning, configuration and updating of replacement devices. Visit the Software Centre: www.kessel.de/software-center

General features

Colour	black
Standard	EN 12050-1
Type of wastewater	with sewage
Installation situation	underground installation
Delivery state	Pre-mounted for final assembly on site (pumps and sensor system must be fitted on site and control unit must be connected)
System type	Tronic

Version

Note on installation depth	in combination with a chamber module
Type of system	Single unit
Shut-off valve	Shut-off valve made of polymer
Passage seal for conduit pipe (DN)	100
Access steps	yes
Passage seal for ventilation pipe (DN)	100
Installation	Wet installation
Pump control	Control unit
Backflow preventer	integrated
Pressure pipe connection	horizontal

Dimensions

Net weight	168 kg
Gross weight	191 kg
Groundwater resistant from lower edge of base section	3000 mm
Length	1240 mm
Width	1240 mm
Height	1416 mm
Packaging dimension: length	2000 mm
Packaging dimension: width	1300 mm
Packaging dimension: height	1550 mm

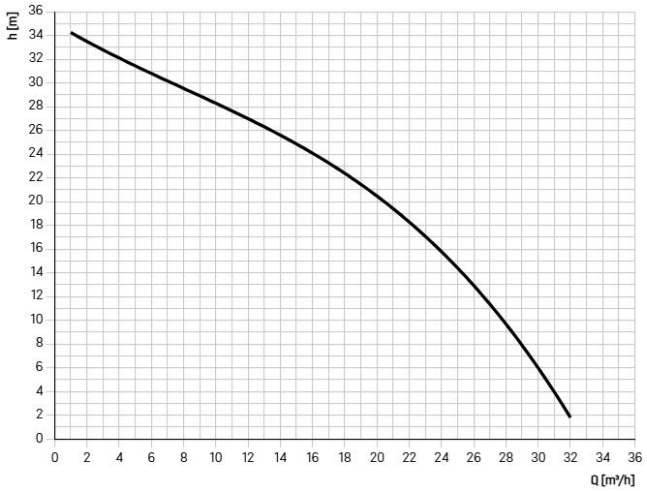
Tank/drain body

Pressure pipe connection (DN)	50
Pressure pipe connection (OD)	63 mm
Distance from centre of outlet pipe to tank bottom	1134 mm
Distance pipe bottom inlet to tank bottom	1054 mm
Distance from centre of inlet pipe to tank bottom	1134 mm
Distance from inlet pipe invert to top of tank	330 mm
Inlet max. scoring (DN)	150
Inlet nominal size (OD)	160 mm
Inlet nominal size (DN)	150
Number of inlets	1
Clear width of tank (LW)	1000 mm
Pumping volume	310 l

Pumping device

Pump	STZ 3700
Number of pumps	1
Weight, pump	44 kg
Operating voltage	400 V
Protection class	I
Insulation class	H
Cos phi - power factor	0.82
Protection class (pump)	IP 68 (20m)
Temperature monitoring	integrated
Max. temperature (permanent) of conveyed material	40 °C
Max. pumping capacity	28 m³/h
Max. pumping height	35 m
Speed	2900 U/min
Power P1	3.7 kW
Power P2	3.1 kW
Operating mode	S1
Type of pump connection cable	H07RN8-F 6G 1.5 mm²
Impeller type	Macerator
Length of mains cable for pump	10 m
Rated current	6,4| A

Pumping capacity



Control

Control unit	Connect Pro
Operating voltage	400 V
Mains frequency	50/60 Hz
Rated current (max.)	9|9 A
Output power (max.)	6.2 kW
Performance Active mode	3.0 W
Protection class control unit	IP 54
Motor protection	yes (electronically)
Type of fuse required (control unit)	C 16 A
Self-diagnosis system (SDS)	yes
Main switch	yes
Battery buffering	yes
Multi-line display	yes
Second Screen	yes (Wi-Fi)
Log book function	yes
Modbus (GLT or gateway)	yes (RTU)
Potential-free contact	yes (2)
Alarm sensor	yes
Ext. audible alarm	yes
Level measurement instrument	Level sensor
Type of level measurement	hydrostatic
SonicControl Option	yes
Filling Option	yes
USB interface	no