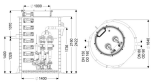
Data sheet

Pumping station Aquapump XXL Duo, STZ 4400-S1



Article information

article number: 8743039
EAN code: 4026092078075
Price group: 60

Product advantages

- Maximum safety
- Flexible installation
- Also handles large quantities of wastewater without sewage

Description

The pumping station is equipped with one or two submersible pumps and a backflow preventer. The collection tank made of permanently resistant polymer (PE) has an open pump tank with universal connection options. Quick-release closures enable the integrated components to be removed easily. The KESSEL modular system provides different engineering chamber options as accessories for the further layout. Stainless steel pump removal chains available as accessory for each installation depth - Article number: 680528 = Length 2 m 680529 = Length 3 m 680530 = Length 4 m 680531 = 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	Duo

Version

Note on installation depth	in combination with a chamber module
Type of system	duo pump
Shut-off valve	Shut-off valve made of cast iron
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
Chamber system	Twin walled re-enforced pipe chamber

Dimensions

Net weight	732.9 kg
Gross weight	800.9 kg
Groundwater resistant from lower edge of base section	3000 mm
Length	1880 mm
Width	1880 mm
Height	2440 mm
Packaging dimension: length	3200 mm
Packaging dimension: width	1800 mm
Packaging dimension: height	1760 mm

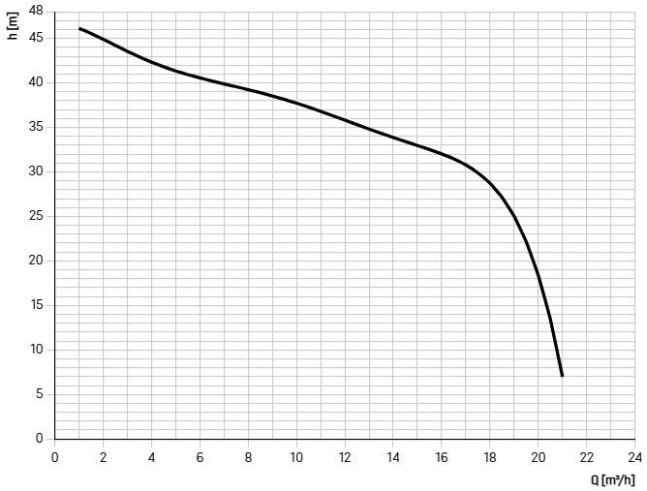
Tank/drain body

Pressure pipe connection (DN)	80
Pressure pipe connection (OD)	90 mm
Distance from centre of outlet pipe to tank bottom	1735 mm
Distance pipe bottom inlet to tank bottom	1320 mm
Distance from centre of inlet pipe to tank bottom	1400 mm
Distance from inlet pipe invert to top of tank	1090 mm
Inlet nominal size (OD)	160 mm
Inlet nominal size (DN)	150
Number of inlets	1
Clear width of tank (LW)	1600 mm
Clear width of entry (LW)	1000 mm
Pumping volume	800 l

Pumping device

Pump	STZ 4400
Number of pumps	2
Weight, pump	56 kg
Operating voltage	400 V
Protection class	I
Insulation class	H
Cos phi - power factor	0.89
Protection class (pump)	IP 68 (20m)
Temperature monitoring	integrated
Max. temperature (permanent) of conveyed material	40 °C
Max. pumping capacity	21.3 m³/h
Max. pumping height	46.7 m
Speed	2840 U/min
Power P1	4.4 kW
Power P2	3.7 kW
Operating mode	S1
Type of pump connection cable	H07RN8-F PLU 7G 1.5 mm²
Impeller type	Macerator
Length of mains cable for pump	10 m
Rated current	7,5| 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 / C 20 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