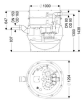
Data sheet

Pumping station Aquapump XL Duo, SPF 4500-S1



Article information

article number: 8742011
EAN code: 4026092068663
Price group: 60

Product advantages

- Maximum safety
- Flexible installation
- Hygienic advantages for maintenance and repair

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 a closed pump tank (dry installation) with a screwed-on access cover.

The station is controlled by a user-friendly control unit.

The KESSEL modular system provides different upper sections and engineering chamber options as accessories.

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
Approval	Z-42.1-527

Version

Note on installation depth	Version for deeper installation
Type of system	duo pump
Shut-off valve	Shut-off valve made of polymer
Access steps	yes
Installation	Dry installation
Pump control	Control unit
Backflow preventer	integrated
Pressure pipe connection	horizontal

Dimensions

Net weight	151.17 kg
Gross weight	168.83 kg
Groundwater resistant from lower edge of base section	3000 mm
Length	1295 mm
Width	1295 mm
Height	1403 mm
Packaging dimension: length	2000 mm
Packaging dimension: width	1300 mm
Packaging dimension: height	1435 mm

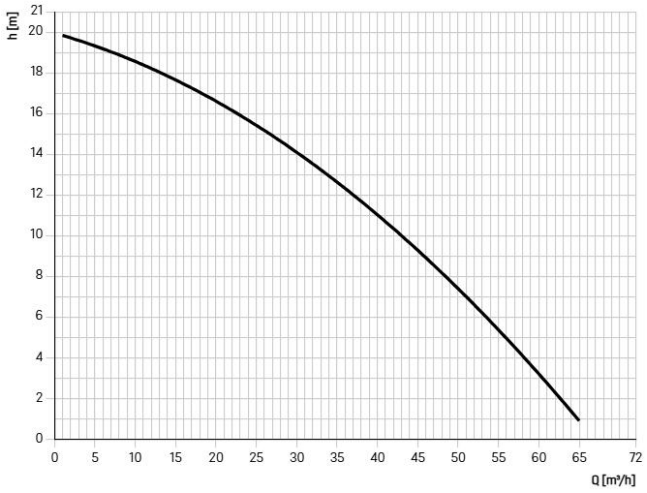
Tank/drain body

Pressure pipe connection (DN)	80
Pressure pipe connection (OD)	90 mm
Venting connection (DN)	70
Distance from centre of outlet pipe to tank bottom	1300 mm
Distance pipe bottom inlet to tank bottom	753 mm
Distance from centre of inlet pipe to tank bottom	833 mm
Distance from inlet pipe invert to top of tank	650 mm
Inlet nominal size (OD)	160 mm
Inlet nominal size (DN)	150
Number of inlets	1
Clear width of tank (LW)	1000 mm
Pumping volume	160 l
Tank volume	335.00 l

Pumping device

Pump	SPF 4500-S1
Number of pumps	2
Weight, pump	31 kg
Operating voltage	400 V
Protection class	I
Insulation class	F
Cos phi - power factor	0.88
Protection class (pump)	IP 68 (3m/48h)
Temperature monitoring	integrated
Max. temperature (permanent) of conveyed material	40 °C
Max. pumping capacity	55 m³/h
Max. pumping height	20 m
Speed	2850 U/min
Power P1	4.2 kW
Power P2	3.5 kW
Operating mode	S1
Type of pump connection cable	H07RN-F 7G 1.5 mm²
Impeller type	Multi-vane impeller
Free passage	40 mm
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
Power standby	3.0 W
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	Immersion pipe
Type of level measurement	pneumatic
SonicControl Option	yes
USB interface	no