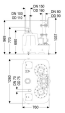
Data sheet

Lifting station Aqualift XL 300l Duo, SPF 4500-S3,Cast-iron shut-off val.



Article information
article number: 11067
EAN code: 4026092057346
Price group: 50

Product advantages
- Different performance classes available
- Pressure sensor for reliable pneumatic level measurement
- Maximum operating reliability due to intelligent control unit

Description
The lifting station for faecal and faecal-free wastewater is equipped with one or two submersible pumps and a backflow preventer. The collection tank made of permanently resistant polymer (PE) offers universal connection options and has a screwed access cover.

General features

Colour	black
Standard	EN 12050-1
Type of wastewater	with sewage
Installation situation	free-standing installation
Delivery state	Installation-ready (electrical components, connection parts must be connected on site)
System type	Duo

Version

Type of system	duo pump
Shut-off valve	Shut-off valve made of cast iron
Retaining bracket for the lift protection	yes
Sound absorption mat	yes
Pump control	Control unit
Backflow preventer	integrated
Pressure pipe connection	vertical

Dimensions

Net weight	200.52 kg
Gross weight	220.52 kg
Length	1260 mm
Width	889 mm
Height	1042 mm
Packaging dimension: length	1650 mm
Packaging dimension: width	1150 mm
Packaging dimension: height	890 mm

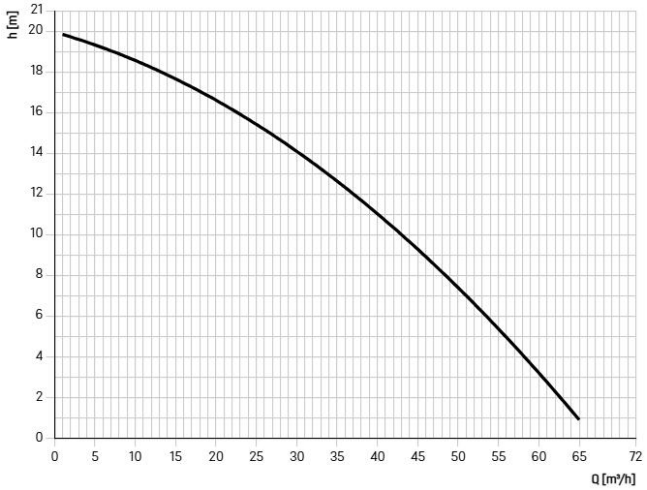
Tank/drain body

Pressure pipe connection (DN)	80
Pressure pipe connection (OD)	90 mm
Connection for manual diaphragm pump (DN)	32
Venting connection (DN)	70
Inlet max. scoring (DN)	200
Inlet nominal size (OD)	110 mm
Inlet nominal size (DN)	100
Number of inlets	1
Pumping volume	175 l
Tank volume	300.00 l

Pumping device

Pump	SPF 4500-S3
Number of pumps	2
Weight, pump	26 kg
Operating voltage	400 V
Protection class	I
Insulation class	F
Cos phi - power factor	0.85
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	S3 - 50 %
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	5 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