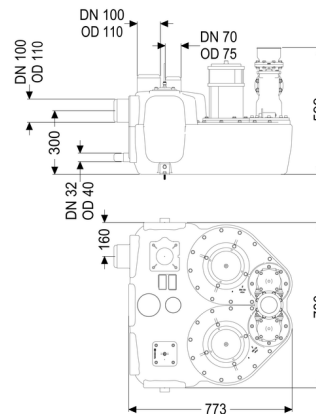


## Lifting station Aqualift F Duo Comfort, SPF 1400-S3



### Article information

Item no.: 28628-C  
 GTIN: 4026092058497  
 Price group: 20

### Advantages

- Different performance classes available
- Pressure sensor for reliable pneumatic level measurement
- Control unit with self-diagnosis system

### Description

The lifting station for faecal and faecal-free wastewater is equipped with 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.

The station is controlled by a user-friendly control unit, which can be optionally integrated in the building management system via a potential-free contact or alarm and collective fault messages can be output via a GSM interface (Comfort control unit).

Type of wastewater: wastewater with sewage  
 Installation situation: free-standing set-up

### Version:

|                       |  |
|-----------------------|--|
| Type of system:       | Twin pump station  |
| Shut-off valve:       | without shut-off valve   |
| Pump control:         | Control unit   |
| Backflow preventer:   | integrated   |
| Sound absorption mat: | yes  |
| Delivery state:       | Installation-ready (electrical components, connection parts must be connected on site) |

**General characteristics:**

|           |            |
|-----------|------------|
| Colour:   | black      |
| Standard: | EN 12050-1 |

**Dimensions:**

|         |        |
|---------|--------|
| Length: | 773 mm |
| Width:  | 780 mm |
| Height: | 539 mm |

**Tank:**

|  |          |
|--|----------|
| Number of inlets:                                  | 2 ST     |
| Inlet nominal size (DN):                           | 100      |
| Inlet nominal size (OD):                           | 110 mm   |
| Inlet max. scoring (DN):                           | 150 mm   |
| Distance pipe bottom inlet to tank bottom:         | 245 mm   |
| Distance from centre of inlet pipe to tank bottom: | 300 mm   |
| Connection for manual diaphragm pump (DN):         | 32       |
| Tank volume:                                       | 120 l    |
| Pumping volume:                                    | 50 l     |
| Pressure pipe connection:                          | vertical |
| Pressure pipe connection (DN):                     | 100 mm   |
| Pressure pipe connection (OD):                     | 110 mm   |
| Venting connection (DN):                           | 70 mm    |
| Free passage:                                      | 40 mm    |

**Pumping device:**

|  |                      |
|--|----------------------|
| Pump:  | SPF 1400             |
| Number of pumps:                                   | 2                    |
| Max. pumping capacity:                             | 38 m <sup>3</sup> /h |
| Max. pumping height:                               | 7 m                  |
| Operating mode:                                    | S3 - 50 %            |
| Power P1:  | 1.6 kW               |
| Power P2:  | 1.1 kW               |
| Speed:   | 1,370 U/min          |
| Max. temperature (permanent) of conveyed material: | 40 °C                |
| Connection type:                                   | coded plug           |
| Weight:  | 25 kg                |
| Impeller type:                                     | Multi-vane impeller  |
| Length of mains cable for pump:                    | 5 m                  |
| Rated current:                                     | 7.3 A                |

|                                |                                |
|--------------------------------|--------------------------------|
| Protection class (pump):       | IP 68 (3m/48h)                 |
| Protection class:              | I                              |
| Type of pump connection cable: | H07RN-F 3G 1.5 mm <sup>2</sup> |
| Temperature monitoring:        | integrated                     |
| Cos phi - power factor:        | 0.98                           |
| Insulation class:              | F                              |

**Control:**

|  |                                      |
|--|--------------------------------------|
| Control unit:                                  | Comfort                              |
| Operating voltage:                             | 230 V                                |
| Mains frequency:                               | 50 Hz                                |
| Self-diagnosis system (SDS):                   | yes                                  |
| Battery buffering:                             | yes                                  |
| Multi-line display:                            | yes                                  |
| Log book function:                             | yes                                  |
| USB interface:                                 | yes                                  |
| GSM interface:                                 | yes                                  |
| Potential-free contact:                        | optional                             |
| Type of fuse required (electrical protection): | C 16 A                               |
| Protection class control unit:                 | IP 54                                |
| Length of mains cable for control unit:        | 1.4 m                                |
| Type of level measurement:                     | pneumatic                            |
| Level measurement instrument:                  | Immersion pipe with pressure monitor |
| Alarm sensor:                                  | Immersion pipe                       |