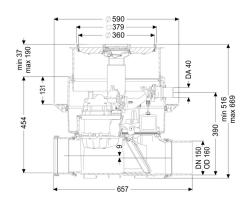


# Backwater lifting station Ecolift DN 150, Floor slab, tileable





#### Article information

Item no.: 21150X

GTIN: 4026092046869

Price group: 20

# **Advantages**

- Hybrid function: uses the natural fall to the sewer - pump is only used in case of backwater
- Quiet and energy-saving
- Double safety due to backwater flap and pressure pipe

## Description

The backwater lifting station for faecal and non-faecal wastewater is equipped with one pump and one motor-driven closure system.

The pipe cross-section is normally open and the water drains to the sewer via natural fall. Backwater is detected by an optical probe, which causes the motor-driven closure system to close automatically. During the backwater phase, the water drains via a pressure pipe, which carries the wastewater above the backwater level and into the sewer.

Connection hole in the drain body for installation in the ground, incl. seal for pressure pipe and cable conduit.

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

Type of wastewater: wastewater with sewage Installation situation: floor slab installation

Version:

Odour trap: Multistop Emergency closure: yes



Pump control: Control unit Passage seal for conduit pipe (DN): 50 mm

Delivery state: Pre-mounted for final assembly on site (pumps and

sensor system must be fitted on site and control

unit must be connected)

Number of motor-driven backwater flaps: 1

General characteristics:

Nominal size (DN): 150 Outer diameter (OD): 160 Colour: black

Approval: Z-53.2-487

**Dimensions:** 

Length:656 mmWidth:590 mmCutout dimension, length:750 mmCutout dimension, width:750 mm

Tank:

Pressure pipe connection (OD): 40 mm

Installation depth: 486 - 640 mm Groundwater resistant from lower edge of base 3,000 mm

section:

Nominal pressure (PN): 6

Drain body:

Socket version: including spigot and socket

Vertical adjustment: vertically adjustable upper section

Coverage features:

Type of cover: tileable cover plate

Cover material: Polymer Drainage function: yes Max. flooring height: 16 mm

Load class: K 3 (EN 1253-1)
Length: 366 mm
Width: 366 mm



Locking: Lock & Lift

#### Pumping device:

Pump: SPZ 1000

Number of pumps: 1

Max. pumping capacity:

Max. pumping height:

Operating mode:

Power P1:

Power P2:

Speed:

11.5 m3/h

10 m

S3 - 50 %

1.2 kW

0.69 kW

2,800 U/min

Type of fuse required (electrical protection): C 16 A Max. temperature (permanent) of conveyed 40 °C

material:

Connection type: coded plug
Weight: 10 kg
Impeller type: Macerator
Length of mains cable for pump: 5 m
Rated current: 5.2 A

Protection class (pump): IP 68 (3m/48h)

Protection class:

Type of pump connection cable: H07RN-F 3G 1.0 mm2

Temperature monitoring: integrated Cos phi - power factor: 0.97 Insulation class: F

Vertical drop between inlet and outlet: 9 mm
Motor type: KSM 140

Protection class motor: IP 68 (3m/48h) Protection class probe: IP 68 (3m/48h)

### Control:

Control unit: Comfort Operating voltage: 230 V Mains frequency: 50 Hz Self-diagnosis system (SDS): ves Battery buffering: yes Multi-line display: yes Log book function: yes USB interface: no GSM interface: no Potential-free contact: yes Standby power: 5 W Protection class control unit: IP 54 Length of mains cable for control unit: 1.4 m Type of level measurement: optical Level measurement instrument: optical probe



Alarm sensor:	optical probe