

The latest generation inflatable dock shelter:

- Attractive aesthetic finish
- Energy efficient due the adjustable blower
- Robust cushions made of durable and high quality material, folded nicely
- Ideally suited for conditioned environments
- Folded cushions are stowed behind protective strips
- Available as built-in or front projection model
- Efficient and durable seal
- CE certified

Application

The inflatable dock shelter 407NG is the most efficient and durable sealant for a loading / unloading platform. Due to the accordion design of the cushion, an optimal seal is created. This is why the dock shelter 407NG is specifically used in situations, where there are large differences between the internal and external temperatures. For instance in air-conditioned or refrigerated storage areas.

Operation

The blower motor is easily operated by means of a single push button on the control box. As soon as a vehicle is docked within the dock shelter, the blower motor can be activated and within 30 seconds the area between the door opening and the vehicle is sealed.

The adjustable blower motor maintains the pressure in the cushions during the loading and unloading operation. The speed of the blower motor is adapted to the amount of air required. This allows the power consumption of the economical blower motor to be reduced even further to about 35%!

The system with counter weights ensures that the top cushion continuously adapts to the varying height of the vehicle to prevent the top cushion from getting damaged and maintain its seal.

After the loading / unloading operation, the blower motor is deactivated by means of the push button, after which the cushions are retracted by the retraction system with counter weights, in approximately 25 seconds. The vehicle can leave the loading / unloading dock, as soon as this action has been completed.

The dock shelter 407NG is safeguarded against vehicles leaving prematurely. In the event that this does happen, the unique free moving cushion mountings will ensure that the cushions will swing away from the vehicle (without the suspension of the cushions being damaged).



Materials

The cushions are made of polyester trevira fabric with a dull PVC coating on both sides. The contact surface with the vehicle has been carried out in 900 gr/m², the remaining parts in 600 gr/m². The accordion designed cushions fold up nicely.

The dock shelter 407NG comes with corner sealing elements with foam core as a standard. These are adaptable to the depth of the bumpers, together with the side cushions. Optionally inflatable corner seals integrated into the side cushions are available.



The protection strips, made of 3000 gr/m² two-layer polyester fabric, are flexible in the length and stable in the width. A wear-resistant, hard, antistatic, dull PVC coating is applied.

The front projection model is based on a fixed frame made of scratch and impact resistant insulated panels (with high insulation value 0,59 m²K/W) and anodized, extruded aluminium profiles. This gives a beautiful, high-quality appearance.

For protection this version is provided with hot dip galvanized protection consoles.

The built-in version is finished with anodised aluminium profiles.

The dock shelter 407NG comply with the highest quality standards and is CE certified.

Drive

The cushions are extended by means of a powerful blower motor. During extension the blower motor ensures that the cushions are filled with air. The retraction of the cushions is operated by counter weights.

Building-in possibilities

The correct layout of a loading and unloading platform depends on a variety of factors. Therefore the dock shelter 407NG can be modified to meet each client specific situation.

Dimensions

The dock shelter 407NG with its standard dimensions is suitable for centrally docked vehicles, with a width range of 2400 to 2800 mm and a height range of 3750 to 4250 mm. The dimensions can be modified to meet each specific situation.

Product characteristics

Since the dock shelter 407NG cushions are inflated only after the vehicle is completely docked, they will not be subject to the forces created by a reversing vehicle. This significantly increases the average life span of a dock shelter.

In the deflated situation, the cushions are to be found behind the protection strips. The aesthetic aspects of the building are thus not compromised. Furthermore the driver always has a clear view during the docking procedure.

Technical specifications

Standards.....	CE certified
Width x height.....	3500 x 3750 mm
Front opening w x h (inflated).....	2300 x 2650 mm
Front opening w x h (retracted).....	2950 x 3280 mm
Mounting height (recommended).....	4750 mm
Projection.....	0 / 800 mm
Protection strips.....	width sides 225 mm
.....	height top 420 mm
Side cushions width (inflated).....	600 mm
Height cushion height (inflated).....	1100 mm
Cushion material.....	600 / 900 gr/m ²
Inflation time.....	approx. 20 seconds
Deflation time (at 20° C).....	approx. 25 seconds
Protection class control box.....	IP 65
Protection class blower motor.....	IP 54
Insulation value panels R.....	0,59 m ² K/W
Power supply.....	1NE / 200–240 V AC / 50/60 Hz
Power consumption.....	170 W
Control current.....	24V DC
Operating temperature.....	between –25° and +50° C
Idle state temperature.....	between –30° and +80° C
Colours.....	black protection strips and cushions
.....	aluminium profiles
.....	grey white RAL 9002 panels

Options

- Special dimensions
- Side cushions width 700, 800, 900 or 1000 mm
- Top cushion height 1300, 1500, 1700, 1900 or 2100 mm
- Inflatable corner sealing
- Projection 1200 mm
- Other panel colours, i.e. RAL 9006 (white aluminium)
- Numbers or logo client on protection strip
- Traffic light installation
- Door interlock