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PowerShelter 407

The PowerShelter 407 inflatable dock shelter is the most efficient and durable method for sealing the area around the door opening and the docked vehicle. The PowerShelter 407 can be used in situations where there are large differences between internal and external temperatures. Since the 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 this dock shelter. Due to the flexibility of the inflatable cushions, they follow the vehicles contours, and give the most effective method for sealing loading bays where vehicle sizes vary considerably. When deflated, the cushions retract behind the side and head strips, giving the driver a clear view during the docking procedure.



A tubular motor extends and retracts the head cushion; an air blower motor inflates the head and side cushions, and maintains the pressure in the cushions during the loading / unloading operation. As soon as a vehicle is docked within the PowerShelter, both motors can be activated and within 30 seconds the area between the door opening and the vehicle is sealed.

Construction

The PowerShelter 407 has a galvanised steel frame clad with sheet steel and finished with a synthetic coating, colour Goosewing Grey. The cushions are manufactured from a polyester trevira fabric with a dull PVC coating. The protection strips are a 3500 gr/m² two layer polyester fabric coated with a wear resistant, anti static, PVC coating. The PowerShelter 407 is finished with an anodised aluminium frame and is manufactured to the highest quality standards.

PowerShelter 407 standard specification

The PowerShelter 407 standard sizes are shown. We can however manufacture these shelters to meet each client specific situation.

- Width: 3500mm
- Height: 3700mm
- Projection from building: 800mm
- Head cushion: 1100mm drop when inflated
- Side cushion width: 600mm wide when inflated
- Cushion material weight: 670 gm/m²
- Inflation time: 30 seconds



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- Deflation time: 40 seconds
- Power supply: 230v, single phase, 0.25kw
- Fixing height: 4600mm based on 1200mm dock height
- Usable vehicle heights: 3600mm to 4200mm
- Usable vehicle widths: 2400mm to 2800mm

OPTIONS

- Special overall dimensions to meet each client specific situation
- Optional head and side cushion sizes
- Bottom corner pads
- Controlled by an Integrated control panel
- Interlock to door operation
- Built-in option (non projecting)

