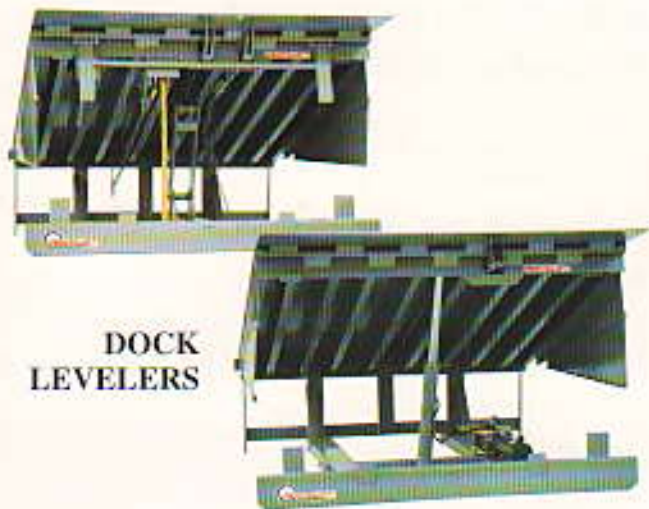


Pentalift Loading Dock Equipment

The Most Complete Line Of Quality Loading Dock Equipment From A Single Source Manufacturer



**DOCK
LEVELERS**



DOCK SEALS



VEHICLE RESTRAINTS

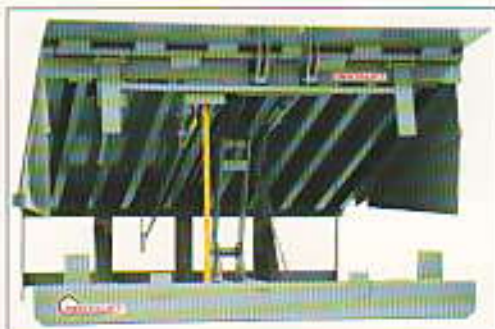


**ELEVATING
DOCKS**



PENTALIFT

DOCK LEVELERS



MD Series Mechanical Dock Leveler

Features

- patented hold down assembly
- ergonomic hold down only requires a maximum of 8 lbs. of pull to release
- adjustable brake band permits deck assembly to "float" during loading/unloading
- lip is mechanically activated and spring loaded
- fixed rear hinge assembly

Specifications

Dock Levelers to be Pentalift model _____ as manufactured by Pentalift Equipment Corporation. Nominal deck size of _____ wide x _____ long and a rated capacity of _____ lbs. Unit is to be semi-automatic with no manual lifting required. The service range shall be 12" above and below dock level. The hold down assembly is to be the "Easy-Float" design requiring a maximum of only 8 lbs. of release force. The hold down device is to maintain lip contact with the vehicle bed by allowing the leveler to float with the suspension of the truck. A high strength, braided nylon strap is to be used to connect the deck and frame assemblies and to absorb shock loads. The lip is to retract if impacted during truck/trailer positioning. Lift spring adjustment is to be conveniently located at the front frame of the dock leveler. The dock leveler is to be supplied with full operating range toe guards and automatic night locks. The lip hinge is to be a full width, piano style with a full width hinge pin. The lip hinge is to be mounted to a headboard with a minimum 8" of height. The rear hinge is to be full width, fixed style allowing 4" of lateral deck compensation to accommodate canted truck/trailer beds. Each unit is to be supplied with two molded rubber dock bumpers. Dock levelers shall be finished in Pentalift gray enamel.

Model Selection Chart (in nominal feet)

Model	Width	Length
MD66	6.0	6.0
MD68	6.0	8.0
MD610	6.0	10.0
MD6.56	6.5	6.0
MD6.58	6.5	8.0
MD6.510	6.5	10.0
MD76	7.0	6.0
MD78	7.0	8.0
MD710	7.0	10.0

* All models available in capacities of 25,000, 27,500, 30,000, 35,000, 40,000, and 50,000 lbs.

Options

- pour in place design
- mechanical fallsafe
- 18" or 20" lip length
- weather seal
- other options available



HD Series Hydraulic Dock Leveler

Features

- exclusive *Pentalogic* valve assembly, 20 year warranty
- lift cylinder position provides a mechanical advantage as deck is raised and maximum support during a fallsafe situation
- self-retracting lip assembly
- fixed rear hinge assembly

Specifications

Dock Levelers to be Pentalift model _____ as manufactured by Pentalift Equipment Corporation. Nominal deck size of _____ wide x _____ long and a rated capacity of _____ lbs. The leveler is to be fully hydraulic with a wall-mounted, push button control station. The powerpack will be a 1.5 hp., totally enclosed, non-ventilated, self-contained unit installed on the dock leveler frame. The power supply is to be _____ / _____ / _____. All hydraulic functions are controlled by the *Pentalogic* hydraulic manifold. The lip plate is to be self-retracting. A service range of 12" above and below dock level shall be provided. The lip hinge is to be full width, piano style with a full width hinge pin. The lip hinge is to be mounted to a headboard with a minimum 8" of height. The rear hinge design is to be full width and fixed. The deck design shall provide 4" of lateral deck compensation for canted truck/trailer beds. Levelers are to be equipped with full range toe guards, hydraulic fallsafe and a posi-lock maintenance stand. The lift cylinder shall be top-fed and forward positioned behind the headboard. Two, molded rubber dock bumpers will be provided. The leveler will be finished in Pentalift gray enamel.

Model Selection Chart (in nominal feet)

Model	Width	Length
HD66	6.0	6.0
HD68	6.0	8.0
HD610	6.0	10.0
HD6.56	6.5	6.0
HD6.58	6.5	8.0
HD6.510	6.5	10.0
HD76	7.0	6.0
HD78	7.0	8.0
HD710	7.0	10.0

* All models available in capacities of 25,000 to 160,000 lbs.

Options

- pour in place design
- automatic return-to-dock
- can be interlocked to other dock equipment
- independent lip control
- 18" or 20" lip length
- weather seal
- other options available

For more information, contact a Pentalift Representative

MECHANICAL EDGE OF DOCK



Features

- operating range of 4" above and below level
- heavy-duty bumper blocks
- rollover capacity of 20,000 lbs.

Specifications

Pentalift Mechanical Edge of Dock Model _____ as manufactured by Pentalift Equipment Corporation. Edge of Dock to have a deck width of _____" and an overall width of _____". The rollover capacity shall be 20,000 lbs. The unit shall be lever activated. When not in use, the lever will store safely to the side of the deck, eliminating the potential for loss or theft. A dual extension spring assembly will be used to minimize the required operating force. Bumpers shall be molded rubber mounted on heavy duty steel bumper blocks to achieve an overall projection of 16". The lip plate shall be of high tensile steel construction designed to project 12" beyond the face of the bumper.

Model Selection Chart

Model	Span	Width	Capacity
EDML6620	27-3/4"	66"	20,000 lbs.
EDML7220	27-3/4"	72"	20,000 lbs.

Options

- 25,000 lbs. capacity
- 2" high cart-guard lip plate design
- pour-in-place design
- grease fittings
- top-approach lag plate

Note: All Pentalift Equipment products are subject to design improvement through modification without notice.

TRUCK LEVELER



Features

- addresses wide range of height differences between dock area and trailer beds
- surface or pit mounted

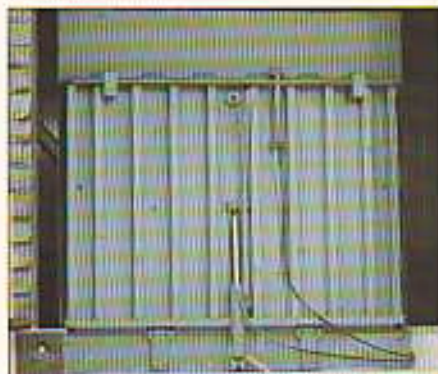
Specifications

Surface Mounted Truck Leveler as manufactured by Pentalift Equipment Corporation. The deck will be supported by heavy duty box beam sections, positioned for optimum deck support. The unit shall be one-piece construction for installation at site. Hydraulic cylinders are heavy duty Pentaflo bypass type, mounted at each side of the unit in protective enclosures. Pentaflo cylinders eliminate the need for internal mechanical cylinder stops, and prevent unwanted pressure build-up that causes structural stress. Pentaflo cylinders eliminate the potential of internal contamination from the outside environment ensuring equipment longevity in the most demanding applications. Hydraulic power is to be supplied by a totally enclosed fan-cooled 5 hp powerpack. Powerpack is equipped with a pre-wired NEMA 12 control enclosure. The controller shall be a wall mount, constant pressure push-button station. For additional safety, the unit is equipped with three-sided, yellow/black accordion skirting. Pentalift Truck Levelers are factory tested and shipped complete with hydraulic fluid.

Options

- *pit mounted*: hinged steel tread plate throwover bridge/weatherproof push-button station
- *surface mounted*: two-piece platform for bolt-up and welding
- *other options available*

VERTICAL STORING DOCK LEVELER



Features

- working range of 6" below and 12" above level
- double safe independent locking system
- 4" high fork lift run-off guards

Specifications

Hydraulic Vertical Storing Dock Leveler Model No: _____ as manufactured by Pentalift Equipment Corporation. Unit(s) to have a nominal deck size of _____' wide x _____' long, and a rated capacity of _____ lbs. Infinite control hydraulic lip plate. Deck support members shall be "C" shaped beams. Remote powerpack, NEMA 12 wall mounted control station. A double safe independent locking system and 4" high run-off guards.

Model Selection Chart

Model	Deck Size	Capacity
HDV6525	6' x 5'	25-60,000 lbs.
HDV6625	6' x 6'	25-60,000 lbs.
HDV6825	6' x 8'	25-60,000 lbs.
HDV6.5525	6.5' x 5'	25-60,000 lbs.
HDV6.5625	6.5' x 6'	25-60,000 lbs.
HDV6.5825	6.5' x 8'	25-60,000 lbs.
HDV7525	7' x 5'	25-60,000 lbs.
HDV7625	7' x 6'	25-60,000 lbs.
HDV7825	7' x 8'	25-60,000 lbs.

Options

- self-contained powerpack
- can be interlocked with other dock equipment
- *other options available*

For more information, contact a Pentalift Representative

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SAFETY SYSTEMS



MR35 Vehicle Restraint

Features

- gas shock activation
- low-profile height of 12"
- operating range of 12"-30"
- restraining capacity of 35,000 lbs.
- simple and trouble-free operation
- heavy-duty construction

Specifications

Pentalock MR35 Mechanical Vehicle Restraint as manufactured by Pentalift Equipment Corporation. The vehicle restraint is to be of non-impact design. An operating range of 12" to 30" is to be provided with a restraining capacity of 35,000 lbs. The unit is to be gas shock activated and incorporate a positive lock down mechanism to hold the restraining arms in the lowered position. When in use the restraint shall be capable of automatic height adjustment over the entire operating range. A heavy duty, removable steel guard shall be provided to protect the unit from impact damage. A "T" handled operating bar shall be provided to release and store the restraint.

Options

- manual operated light
- ICC bar sensor
- other options available



FM35 Vehicle Restraint

Features

- electro-hydraulic actuation
- exclusive make up block reduces momentum range and prevents trailer creep
- signal bar design reduces potential of "false signals"
- flood-proof design
- low-profile height, operating range, and capacity same as MR35

Specifications

Pentalock FM35 Vehicle Restraint as manufactured by Pentalift Equipment Corporation. The vehicle restraint is to be non-impact design. A service range of 12"-30" is to be provided with a restraining capacity of 35,000 lbs. Operation shall be electro-hydraulic with a remote power-pack system. Required voltage to be ___/___/___, Controls shall be a remote wall-mount type in a NEMA 12 control enclosure. The restraint is to incorporate a makeup block assembly to reduce the momentum range. The design shall also include a heavy duty, removable steel guard. A force of approximately 30 lbs. shall be required to activate the signal bar. All external limit switches are to be flood proof. The restraint is to be supplied with a two-way, communication system consisting of high visibility outside lights and two warning signs, and inside indicator lights and an instruction sign. Finish is to be Pentalift standard gray enamel.

Options

- can be interlocked with other dock equipment
- key pad security lock-out
- other options available



Pentahook Vehicle Restraint

Features

- positioned under the dock leveler, it is protected from vehicle impacts and harsh climate conditions
- "floats" with the trailer suspension during loading/unloading
- hydraulic operation
- exceptional holding strength of 60,000 lbs.

Specifications

Pentahook non-impact vehicle restraint safety system model PTH1232 as manufactured by Pentalift Equipment Corporation. The restraint is to be recessed completely behind the face of the foundation wall with no protruding components when stored. The restraining capacity shall be 60,000 lbs. Dual hooking arms shall be used to secure the ICC bar over a wider area. The operating range shall be 12" to 32" above grade and 4" to 16" from the dock face, with full float capability to accommodate the movement of the trailer suspension. The electro-hydraulic powerpack is to be recessed in the pit. Controls shall be wall mounted in a NEMA 12 control enclosure. Programmable Logic Controller technology is to be incorporated for control functions and interlock options. The communication system shall consist of a high visibility traffic style light (red, amber, green), dual image communication signs and a warning siren to notify dock attendant of an attempted departure.

Options

- pre-wired NEMA 12 control enclosure can be interlocked with other loading equipment
- can be adapted to have a low profile hooking range for trailers having ICC bars with less than 12" of ground clearance
- pour-in-place design

For more information, contact a Pentalift Representative

ELEVATING DOCKS



Safety Barrier

Features

- stops fork trucks from falling off the loading dock
- prevents damage to closed overhead doors
- linear activated
- withstands the impact of a 5-ton fork truck travelling at 4 mph.

Specifications

Linear actuated Safety Barrier Model No: _____ as manufactured by Pentalift Equipment Corporation. The safety barrier shall be of surface mount design positioned across the door opening. Unit shall incorporate a pivot assembly with linear actuated safety barrier arm and a receiving carriage assembly. Both shall be provided with predrilled mounting plates for easy installation on concrete floor. The barrier arm is to be of heavy duty 50,000 psi yield construction painted safety yellow. The pivot assembly shall be enclosed in a protective housing. Controls shall be remote wall mount type with raise and lower switches. Required power is 115 volt single phase. For additional safety the barrier arm is to be equipped with an electrically interlocked trip cable and a weight compensated safety switch.

Model	Width
SB-8	To suit an 8' wide opening
SB-10	To suit a 10' wide opening

Options

- pre-wired NEMA 12 control enclosure can be optionally interlocked with other loading dock equipment
- warning buzzer

ELEVATING DOCKS



Stationary Elevating Dock

Features

- Pentaflo lift cylinders
- tracked leg rollers
- "wide stance" cylinder placement

Specifications

Hydraulic Elevating Dock Model No: _____ as manufactured by Pentalift Equipment Corporation. Elevating dock to have a platform size of _____" wide x _____" long, built of 4-way safety tread plate with 8" bevelled toe guards. The unit shall have a lifting capacity of _____ lbs. with an axle capacity over the ends of _____ lbs. Vertical travel of 59". An 18" long x 60" wide safety tread plate lip is to be provided on the rolling end. Hydraulic lift cylinders shall be Pentaflo style equipped with an automatic bypass system at the top of cylinder stroke. Velocity fuses shall be incorporated to prevent table free-fall in the event a hydraulic hose is accidentally severed. Scissor legs shall be of solid steel construction for maximum strength and rigidity. Scissor legs shall be equipped with dual lower rollers as well as upper and lower roller retainers. Two removable guardrails 1 5/8" in diameter, 42" high with midrail and 4" high kickplate. An integral swing away maintenance stand shall be provided for safety during servicing. Controls shall be NEMA 4X pendant type push-button. The power unit is to be remote mounted and consist of a totally enclosed, fan cooled continuous duty motor with integral hydraulic oil reservoir. The motor shall be equipped with a NEMA 12 pre-wired control enclosure. The lift shall be shipped complete with hydraulic fluid.

Model	Width	Length	Capacity
HED	Width	Length	Capacity
	Deck Width 6'-7'-8'	Deck Length 8'-9'-10'-12'	Capacity 3-25 (Per 1000 lbs.)
ie:	HED685 = 6 x 8', 5000 lbs.		

Options

- fixed or deck-mounted push-button controls
- safety trip bars
- hydraulic roll-off stop
- other sizes and options available



Low Profile Elevating Dock

Features

- no pit required
- portable / stationary installation
- Pentaflo lift cylinders

Specifications

Low Profile Hydraulic Elevating Dock Model No: _____ as manufactured by Pentalift Equipment Corporation. Elevating dock to have a platform size of _____" wide x _____" long, built of 4-way safety tread plate. The unit shall have a lifting capacity of _____ lbs. with an end load capacity of _____ lbs. Vertical travel of 54" and a lowered height of 6". An 18" long x 60" wide safety treadplate lip is to be provided on the rolling end. A 36" long x 60" wide hinged approach plate will be provided on the fixed end. Hydraulic lift cylinders shall be equipped with an automatic bypass system at the top of cylinder stroke. Hydraulic cylinders will be Pentaflo style, advantageously located completely beneath the unit allowing full use of deck area and product transfer in all four directions. Velocity fuses shall be incorporated to prevent table free-fall in the event a hydraulic hose is accidentally severed. Scissor legs shall be of solid steel construction for maximum strength and rigidity. Two removable guardrails 1 5/8" in diameter, 42" high with midrail and 4" high kickplate. Controls shall be NEMA 4X pendant type push-button. The power unit is to be remote mounted and consist of a totally enclosed, continuous duty motor with integral hydraulic oil reservoir. The motor shall be equipped with a NEMA 12 pre-wired control enclosure. The lift shall be shipped complete with hydraulic fluid.

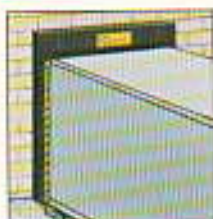
Model	Width	Length	Capacity
LPE	Width	Length	Capacity
	Deck Width 6'-7'-8'	Deck Length 8'-9'-10'	Capacity 4-8 (Per 1000 lbs.)
ie:	LPE7108 = 7x10', 8000 lbs.		

Options

- retaining cradles and wear plates
- mechanical roll-off stop
- other sizes and options available

For more information, contact a Pentalift Representative

CONVENTIONAL DOCK SEALS AND TRUCK SHELTERS



Pentalift Dock Seals

serve to form a gasket between the building and trailer. They are the most effective seal available for loading docks servicing a relatively standard fleet of truck/trailers.



Pentalift Truck Shelters

provide an effective seal on a wide range of vehicles. Truck shelters allow for full, unobstructed access to the rear of the trailer. Since no compression is required to form a seal, pressure on the exterior building wall is minimized.

Coverings and Colors

Materials

22 oz. Vinyl
40 oz. Vinyl
40 oz. Neoprene
Dura-Lite
16 oz. Hypalon
40 oz. Hypalon
Pentalon I †
Pentalon II ‡

Black	Blue	Brown	Grey	Green	Orange	Yellow
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■

Pentalon Fabrics are manufactured exclusively to meet Pentalift's stringent standards of quality and performance.

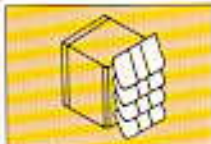
† **Pentalon I** is a heavy weight, high performance alloy material with an exceptionally high tear resistance that exceeds any conventional fabric used in the dock seal industry. A higher ratio of coating on the outside improves abrasion resistance and wearability by putting the extra coating on the face of the dock seal where most of the wear occurs.

‡ **Pentalon II**, the ultimate truck shelter fabric, is an extra thick, highly wear resistant, unidirectional, 5 layer, high performance alloy material that has been developed specifically for Pentalift Truck Shelters. This unidirectional characteristic maintains a uniform seal without the need for stays or stiffeners which may deteriorate or fail over time. Pentalon II's superior characteristics as a truck shelter material make it the fabric of choice when retrofitting existing truck shelters where other materials have failed.

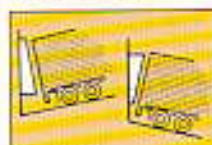
Common Options



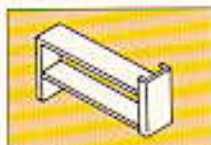
Beveled Side Pads



Wear Plets



Tapered Units



Protective Guard (Shelters)

PS-100 Dock Seal



Specifications

Truck dock seal(s) to be Model PS-100 as manufactured by Pentalift Equipment Corporation to suit a door opening _____" wide x _____" high. Vertical and header seal(s) to be constructed of polyurethane foam bonded to a 2" thick kiln-dried wood backboard. Vertical seals to be _____" long and the head seal to be _____". Unit(s) to be supplied complete with galvanized mounting hardware. Cover fabric to be _____ with 4" wide yellow guide stripes and bottom breathers.

PS-200 Dock Seal



Specifications

Truck dock seal(s) to be Model PS-200 as manufactured by Pentalift Equipment Corporation to suit a door opening _____" wide x _____" high. Vertical seal(s) to be _____" long x _____" projection, constructed of polyurethane foam bonded to a 2" thick kiln-dried wood backboard. Head curtain shall be full width over verticals, secured to the wall and verticals, with rope controlled adjustability. Head curtain(s) to be _____" wide with _____" drop. Unit(s) to be supplied complete with galvanized mounting hardware. Cover fabric to be _____ with 4" wide yellow guide stripes and bottom breathers.

PS-400 Truck Shelter



Specifications

Rigid truck shelter(s) to be Model PS-400 as manufactured by Pentalift Equipment Corporation to suit a door opening _____" wide x _____" high. Unit size to be _____" wide x _____" high x _____" projection. Unit(s) to be manufactured using pressure treated lumber framework with factory installed fiberglass panels on a raked header to allow for side drainage. Fiberglass stays, heavy duty structural protective guards, and bottom draft pads are supplied as standard. All panels to have aluminum finishing angles on the exterior sides and a foam bead on the inside leading edges to seal against the trailer. Vertical and header curtains to be manufactured from _____ fabric with double abrasion resistant overlapping wear panels at truck impact areas.

PS-500 Truck Shelter



Specifications

Retractable truck shelter(s) to be Model PS-500 as manufactured by Pentalift Equipment Corporation to suit a door opening _____" wide x _____" high. Unit size to be _____" wide x _____" high x _____" projection. Unit(s) to be manufactured using high strength aluminum profiles exclusively. All curtains to have aluminum finishing angles on the outside edges and a foam bead on the inside leading edges to seal against the trailer. Vertical and header curtains to be manufactured from _____ fabric with fiberglass stays and double abrasion resistant overlapping wear panels at truck impact areas.

For more information, contact a Pentalift Representative

INFLATABLE DOCK SEALS AND TRUCK SHELTERS

Pentalift Inflatable Dock Seals and Pentalift Inflatable Truck Shelters are designed and manufactured to provide a positive seal that insures an effective weather barrier without transmitting excessive pressure from truck to building wall.

At rest, inflatable seals are completely retracted. Only when a truck is in position, for loading/unloading is the unit activated/inflated and the positive seal instantly in place.



Inflatable seals and shelters offer the following advantages: maximum ability to seal a diverse range of truck/trailer configurations; increased life span through the elimination of repeated vehicle impact; reduced fabric abrasion from trucks floating up and down during loading/unloading; and the capability of leaving the unit retracted in favorable weather. Manual or automatic inflation is available.

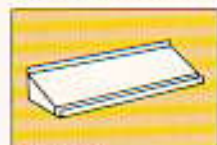
Coverings and Colors

Materials

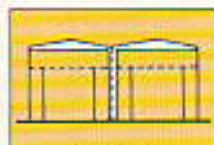
16 oz. Hypalon
40 oz. Hypalon
Duralite



Common Options



Metal Hooks



Common Member



Automatic Switch



50/50 Foam/Air

PSI-150 Dock Seal



Specifications

Fixed inflatable dock seal(s) to be Model PSI-150 as manufactured by Pentalift Equipment Corporation to suit door opening _____" wide x _____" high. Unit size to be _____" wide x _____" high x _____" projection. Unit to be manufactured in one piece (2 verticals and 1 header) and supplied with pressure treated wood backboards. Verticals to have bottom breathers to allow for air release and moisture drainage. On/off switch, pilot light and overload relay. Cover fabric to be _____ with 4" yellow guide stripes. Unit(s) to be supplied with 1/1.5 h.p. 115/1/60 motor/blower complete with galvanized blower hood and mounting brackets.

PSI-350 Dock Seal



Specifications

Adjustable header inflatable dock seal(s) to be Model PSI-350 as manufactured by Pentalift Equipment Corporation to suit door opening _____" wide x _____" high. Unit size to be _____" wide x _____" high x _____" projection. Bottom of verticals and header to have breathers to allow for air and moisture discharge. Inflatable header curtain to be full width over verticals and retract by means of a torsion spring assembly. Header assembly to come complete with protective canopy with blower mounted to the underside. On/off switch, pilot light and overload relay. Cover fabric to be _____ complete with 4" yellow guide stripes. Motor/blower to be 1/2 h.p. 115/1/60.

PSI-450 Truck Shelter



Specifications

Stationary inflatable dock shelter(s) to be Model PSI-450 as manufactured by Pentalift Equipment Corporation to suit door opening _____" wide x _____" high. Unit size to be _____" wide x _____" high x _____" projection. Unit to consist of two verticals mounted on a 2 x 4 pressure treated frames with breathers and an internal retraction system, plus a full width retractable header complete with breathers and a torsion spring assembly. 1/2 h.p. motor/blower 115/1/60 to be supplied and installed under raked header. On/off switch, pilot light and overload relay. Cover fabric to be _____. Unit(s) to include bottom pads, protective steel guards and 4" wide yellow guide stripes.

PSI-550 Truck Shelter



Specifications

Retractable inflatable truck shelter(s) to be Model PSI-550 as manufactured by Pentalift Equipment Corporation to suit door opening _____" wide x _____" high. Unit size to be _____" wide x _____" high x _____" projection. Bottom of wrap around verticals and header to have breathers to allow for air and moisture discharge. Verticals to have internal retraction system. Inflatable header curtain to be full width over verticals and retract by means of a torsion spring assembly. Header assembly to come complete with protective canopy with blower mounted to the underside. Motor/blower to be 1/2 h.p. 115/1/60. On/off switch, pilot light and overload relay. Cover fabric to be _____ complete with 4" yellow guide stripes.

For more information, contact a Pentalift Representative