



Pricing Administration Use Only				
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Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

**Customer**

**STOCK**

Bay State Truck & Trailer, Inc.  
 527 Winthrop Street - PO Box 430  
 Rehoboth, MA 02769

**Base Model Part Number**

38545.1

**Specified Model Description**

AJB9 1240-1,HG2,25 PSI,180 F,42' \*\*AIR RIDE only\*

**A. Vessel**

**1) Design**

AJB9 1240-1, High Gross, Aluminum, Pneumatic dry bulker, Interior ring, Non-code trailer.  
 MA, RI, NY OVERWEIGHT PERMIT USE

Code: Non-code

Capacity: 1240 cubic feet, 3 hopper

Compartments: One

Shape: Round with 45-degree discharge hoppers. Internal ring with smooth exterior.

Shell Material: Aluminum,

Head Material: Aluminum,

Operating Pressure: 25 PSI

Design Temperature: 180 Degrees F.

Overall Length: 42'-6"

Product: Cement and Various other Dry Products; to be compatible with the materials of construction.

**B. Construction**

**1) Frame**

Front: \* Heavy duty aluminum extruded channel, bolted or integrated to center frame.

Rear: \* Heavy duty aluminum extruded channel, bolted or integrated to center frame.

Center: Aluminum extruded channel.

Struts: Aluminum extruded struts, standard duty at both ends.

**2) Manhole**

2 \* Civacon LM1151, 20" aluminum cover, six hold-down with nylon wear plates  
 CENTER and FRONT MOUNTED manholes.

Gasket: 2 \* White neoprene gasket in cover, non-toxic.



**3) Manhole Hinge Location**

Manhole covers hinged to curbside of trailer.

**C. Other Barrel Information**

**1) Material Finish**

Mill finish aluminum

**D. Valving and Piping**

**1) Seal provisions**

None

**2) Outlet valve**

3 \* 16"-18" handle extension on butterfly valve. Engineering to determine length unless specified.

**3) Discharge valves**

3 5" Black Maxx butterfly valves with ductile disc, buna seat. ,#5B-600-530-HD10 include long extended handles for discharge valves, handles to be even with frame rail.

**4) Discharge Piping**

- Discharge tee: 3 5" X 4" B.T.I. "Siphon Flow", cast aluminum. #BT-500-A
- Piping: 4" Aluminum schedule 40 between hoppers, ending at last hopper.
- Rear Discharge Pipe: \* 4" schedule 40 stainless steel discharge, under the axles, ending at the rear of the trailer.
- Pipeline connectors: 4" bolted groove type couplers mounted at rear of rear hopper and forward of first hopper with black gaskets. Black rubber hose with stainless steel clamps between hoppers.
- Adaptor: 4" aluminum weld-on male adaptor.
- Cap: 4" aluminum dust cap

**5) Air inlet**

- 3" Aluminum on roadside with front elbowed upward. One (1) 3" BTI Black Maxx#3B-600-530-HD10 valve with Ductile Disc & buna seat.
- \* Additional 3" Aluminum inlet on roadside from rear of trailer over light box, ending with 3" thread, directed forward and teed into front inlet. Includes inline Black Maxx butterfly valve Alumax disc white FDA seat and check valve.
- Additional rear inlet line with check valve on roadside for plant blower operation.
- Check valves: Two 3" Bayco check valves, one forward of first hopper, one near front of air inlet line.
- Adaptor: 3" aluminum male adaptor.
- Cap: None. Temporary plug for Shipping.

**6) Aeration**

- \* 2" ball valves for individual hopper aeration.
- Location: \* Aeration mounted roadside.



Aeration Controls:

3" Aluminum aeration line on roadside controlled by 3" BTI Black Maxx #3B-600-530-HD10 butterfly valve with Ductile disc, and Buna seat. Two one port aerators and one 3 port aerators. (3) BTI aerators per hopper.

### 7) Blowdown

3" Aluminum pipe and 3" Black Maxx #3B-600-530-HD10 butterfly valve, ductile disc and Buna seat.

blowdown to be installed at rear of trailer, handle and valve on streetside to ground ahead of tridem.

Relief Valve:

2" BTI quick coupler relief valve, BTVR-2650-25, in blowdown line. Relief valve to be accessible from ground level. Relief valve set at 25 PSI.

### 8) Top Air

None.

### 9) Gauges

Pressure:

Liquid filled, one for line pressure, one for tank pressure, enclosed in aluminum gauge box with light, located roadside, ahead of rear fender, facing forward. Pressure gauge range 0-30 PSI.

### 10) Delivery Hose

None.

## E. Walkway and Ladder

### 1) Walkway

Top center:

Non-skid tape, full length of barrel

Toe rail:

1 1/4" aluminum pipe each side of walkway, full length

### 2) Ladder

Ladder Location:

Aluminum tubular with large step, bolt on

Mounted at rear head, centered. With step below bumper.

## F. Cabinet

### 1) Cabinet

None. No Cabinet installed.

## G. Hose Carriers

### 1) Hose Carrier

Hose Carrier Door:

Aluminum tube 8" diameter x 21' long. Tube to be mounted to the outer edge of brackets.

8" aluminum door, at rear. Door hinged at bottom.

Carrier Location:

Mounted curbside rear



## H. Lights and Wiring

### 1) Lights

12-volt, Truck-Lite LED grommet mount lights. Combination center marker / turn signals, mounted on barrel frame.

### 2) Wiring

Truck-Lite 88 series plug-in style harness system.

\* (1) ISO 3731 receptacle with cable to the junction box, if wired with Junction box. Unwired if plug in harness system.

### 3) Rear Lights

Enclosed in Aluminum light boxes, one each side of tank.

### 4) Nose box

Standard 7 way, J560 receptacle without circuit breakers.

### 5) Gladhands

Gladhand, Phillips Quick release.

## I. Chassis

### 1) Upper 5th Wheel

5/16" Standard duty upper coupler with Heavy duty double hubbed kingpin.  
Paint: Fifth wheel plate painted black.

### 2) Landing Gear

\* Jost AX140, Aluminum, 2-speed, load bearing, sealed gear box, 55,000 lbs. rated lift capacity with 10 x 12 sand shoe, 5-year maintenance free.  
Bracing: Stainless steel, with cross brace.  
Crank location: Crank handle located on roadside  
Tire carrier: None.

### 3) Suspension

Hendrickson INTRAAX AAT25K tandem axle with 5.75" diameter Hendrickson integrated axles. Axle spacing to be determined by scale.  
Dump valve: \* Hendrickson manual dump valve AK-68. Specify location in notes.  
dump valve near landing legs.  
Lift Axle Control: None - no auto lift controls included  
Hangers: Galvanized hangers with soft coat applied to axle and trailing arm. For use on aluminum subframe with bolt-on hangers.  
Bumper: No bumper included  
Under-ride Protection: None (no under ride required, Wheels back exempt.)

### 4) Axles

Beam: \* Straight axle beam



Track: Axle track, 71.5"  
Hub & drums: Hendrickson 3 year warranty, Ready to roll with Duralite hubs, centrifuse drum and 80/90 oil. OEM slack adjusters, seals, brake chambers and brake lining.

### 5) Brakes

Anti-lock / Roll stability: OEM Standard 4S/2M with tandem axle roll stability for air-ride suspension.  
Air system: One (1) aluminum tank system. 2850 cu. in. meeting FMVSS 121 D.O.T. specifications.

### 6) Emission Compliance

NA

### 7) Wheels

\* ALCOA ULTRA ONE 24.5 X 8.25 HIGH POLISH. ALCOA #98U637

### 8) Tires

\* 11R-24.5 Cooper Pro LHT, 14-ply.

### 9) Tire pressure system

No tire pressure system included.

### 10) Fenders

Front: Aluminum, single contour, ribbed, front fender, each side.  
Rear: Aluminum, double contour, ribbed, rear fender, each side.

### 11) Mud flaps

White anti-sail, anti-spray mudflaps with logo installed front and rear.

## J. Hose hook

1) Hose hook Adjustable hose hook mounted at front of trailer with 3" dummy adapter on curbside.

## K. Jumper Hose

1) Jumper Hose None.

## L. Miscellaneous

1) Decals Standard warning and safety package. Decals in English.

2) Conspicuity Tape Discontinuous tape

3) Customer Logo None

4) Document holder Truck Lite 97960 Certificate Holder. Install in standard location unless otherwise specified.



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|-----------------------------|---|
| <b>5) Placards</b>          | None  |
| <b>6) Paint</b>             | None. No paint or primer installed on trailer.  |
| <b>7) Interior Cleaning</b> | Class I, as welded. Not intended for food grade or plastic products. Note: Interior cleaning is recommended prior to initial loading to avoid possible product contamination. |
| <b>8) Warranty</b>          | Heil Trailer Silver Warranty Package.   |
| <b>9) Tests</b>             | Standard testing.   |
| <b>10) Drawings</b>         | * Send customer approval drawing.   |