



Pricing Administration Use Only				
HT-46914.01	01			Form Rev: August 30, 2022
Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

Customer **Troy Hradsky**
 Werts Welding & Tank Service
 400 N. Old St. Louis Rd.
 Wood River, IL, 62095

Base Model Part Number 36422.1

Specified Model Description AJB9 1040-1,188 BBL, .3125 HDS,25 PSI,185 F,42'

A. Vessel

1) Design

AJB9 1040-1, Aluminum, Pneumatic dry bulker, Interior ring, Non-code trailer.

Code: Non-code

Capacity: 1040 cubic feet, 3 hopper

Compartments: One

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

Shell Material: Aluminum, 5454H32 barrel, end cone, and upper hopper section.

Head Material: Aluminum, .3125

Operating Pressure: 25 PSI

Design Temperature: 185 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: Aluminum extruded channel, bolted or integrated to center frame.

Rear: Aluminum extruded channel, bolted to center frame.

Center: Aluminum extruded channel.

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

2) Manhole

3 * BTI, BTM-20A-WC-S4 ,20 " cast aluminum cover, six composite cam handle hold downs with replaceable nylon wear plates, dual stainless safety retainers, and stainless steel clevis pins.

Gasket: 3 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) **Discharge valves** 3 * 5" BTI BlackMaxx #5B-795-501HD5N butterfly valves with composite fiber body, AlloMaxx disc and white MaxxLife FDA seat. Aluminum lever lock handle and 5-position throttle plate.

3) 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" aluminum schedule 40 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 male adaptor.
 Cap: 4" aluminum dust cap

4) Air inlet

* 3" Aluminum on roadside with front elbowed upward. One (1) 3" BTI Black Maxx butterfly valve with Allomaxx disc, and white seat. Food Grade.
 Check valves: * Two 3" BTI Optima flanged 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.

5) Aeration

* 3" Aluminum aeration line controlled by 3" Black Maxx butterfly valve with Allomaxx disc disc and white seat. Three (3) BTI aerators per hopper.
 * 2" lightweight aeration ball valve, BTV-2AV-FTHB, for individual hopper aeration. (3 hoppers)
 * Three (3) BTI stainless steel hopper savers per hopper.
 Location: Aeration mounted roadside.

6) Blowdown

* 3" Aluminum pipe and 3" BTI, BlackMaxx butterfly valve with composite fiber body, AlloMaxx disc and Maxxlife seat.
 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.

7) **Top Air** None.



8) 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.

9) 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

Aluminum tubular with large step, bolt on
Ladder Location: Mounted at rear head, centered. With step below bumper.

F. Cabinet

1) Cabinet

None. No Cabinet installed.

G. Hose Carriers

1) Hose Carrier

Aluminum tube 8" diameter x 21' long. Tube to be mounted to the outer edge of brackets.
Hose Carrier Door: 8" aluminum door, at rear. Door hinged at bottom.
Carrier Location: * Mounted curbside

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

Plug-in style harness system.

3) Rear Lights

Enclosed in Aluminum light boxes.
* 1 additional LED stop / turn / tail light. Total of 3 lights in each box.
Outside lights are red with center light to be amber turn.

4) Extra Lights

None.

5) Nose box

Standard 7 way, J560 receptacle without circuit breakers.



6) 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 A440, 2-speed, load bearing, telescopic, with swivel type sand shoe.
Bracing: Stainless steel, with cross brace.
Crank location: Crank handle located on roadside
Tire carrier: None.

3) Suspension

Hendrickson INTRAAX AAT23K tandem axle suspension set with 5.75" diameter Hendrickson integrated axles. Axle spacing to be determined by scale.
Dump valve: No dump valve installed
Lift Axle Control: None - no lift controls included. All suspensions will be fixed.
Hangers: Galvanized hangers with soft coat applied to axle and trailing arm.
Bumper: No bumper included
Under-ride Protection: None (no under ride required, Wheels back exempt.)

4) Axles

Beam: Inverted axle/raised center NOTE: Axle diameter changes to 5" with this option.
Track: Axle track, 71.5"
Hub & drums: * Hendrickson 5 year warranty, Ready to roll with Duralite hubs, centrifuse drums and semi-fluid grease. OEM slack adjusters, seals, brake chambers and brake lining.

5) Brakes

Anti-lock / Roll stability: Wabco 4S/2M with "RSS-Plus", tandem axle roll stability support system for air-ride suspension. Wired to auxiliary blue circuit.
Air system: One (1) aluminum tank system. 2850 cu. in. meeting FMVSS 121 D.O.T. specifications.

6) Emission Compliance NA

7) Wheels Original Equipment Manufacturer, 22.5 X 8.25 Aluminum polished wheels

8) Tires Original Equipment Manufacturer, 11R-22.5, Load Range G 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 with Heil logo. Front and rear, HEIL, anti-sail, anti-spray flaps.

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.

5) Placards

None

6) Paint

None. No paint or primer installed on trailer.

7) Interior Cleaning

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.

8) Warranty

* Heil Trailer Silver Warranty Package.

9) Tests

Standard testing.

Photos must be taken of weight ticket and installed VIN plates.

Photos and test paperwork to be emailed to:

rjurek@heiltrailer.com

troy@wertswelding.com

10) Drawings

None.



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