

HALE

TRAILER

BRAKE & WHEEL

A034158-A034162
VIN: 181666, 181667, 181670, 181671
& 181672

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Product
Hauled: Cement

POLAR

Barrel Description

Model	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.

Other Barrel Information

Material Finish	Mill finish aluminum
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Construction

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.
Manhole	3 MM4120, 20" cast aluminum cover, six long lever aluminum cam handles hold-downs with replaceable Nylon wear plates and dual stainless steel safety retainers, 4" collar.
Gasket	3 White neoprene gasket in cover, non-toxic.

Manhole Hinge Location

Manhole covers hinged to curbside of trailer.

Hose Carriers**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 rear

Lights and Wiring**Lights**

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

Wiring

Plug-in style harness system.

Rear Lights

Enclosed in Aluminum light boxes.

*** Rear Lights**

1 additional LED stop/turn/tail light. Total of 3 lights in each box - (Red/Red/Red is Std, unless noted otherwise).
Outside lights are red with center light to be amber turn.

Extra Lights

None

Nose box

Truck-Lite standard 7 way, J560 receptacle without circuit breakers.

Gladhands

Gladhand, Phillips Quick release.

Undercarriage**Upper 5th Wheel**

5/16" Standard duty upper coupler with Heavy duty double hubbed kingpin.

Paint

Fifth wheel plate painted black.

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.

Suspension

Hendrickson INTRAAX AAT23K tandem axle 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 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.)

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, cast drums and semi-fluid grease. OEM slack adjusters, seals, brake chambers and brake lining.
Anti-lock / Roll stability	Wabco 4S/2M with 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.
Emission Compliance	NA
Wheels	Original Equipment Manufacturer, 22.5 X 8.25 Aluminum polished wheels
Tires	Original Equipment Manufacturer, 11R-22.5, Load Range G 14 Ply.
Tire pressure system	No tire pressure system included.
Front	Aluminum, single contour, ribbed, front fender, each side.
Rear	Aluminum, double contour, ribbed, rear fender, each side.
* Mud flaps	White, anti-sail and anti-spray with Polar logo, mounted at rear only.

Hose hook

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

Jumper Hose	None.
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Valving and Piping

Seal provisions	None
* Discharge valves	3 5" BTI BlackMaxx #5B-795-501HD5N butterfly valve with composite fiber body, AlloMaxx disc and white MaxxLife FDA seat. Aluminum lever lock handle and 5-position throttle plate.
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 weld-on male adaptor
Cap	4" aluminum dust cap
* 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.
* Aeration		3" Aluminum aeration line controlled by 3" Black Maxx butterfly valve with Allomaxx disc and white seat. Three (3) BTI aerators per hopper.
* Aeration	0.75	Stainless steel hopper savers.(4 hoppers)
* Aeration		2" lightweight aeration ball valve, BTV-2AV-FTHB, for individual hopper aeration. (3 hoppers)
Location		Aeration mounted roadside.
* 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.
Top Air		None.
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.
Delivery Hose		None.
Walkway and Ladder		
Top center		Non-skid tape, full length of barrel
Toe rail		1 1/4" aluminum pipe each side of walkway, full length
Ladder		Aluminum tubular with large step, bolt on
Ladder Location		Mounted at rear head, centered. With step below bumper.
Cabinet		
Cabinet		None. No Cabinet installed.
IntelliTANK		
IntelliSECURE		IntelliTANK - None
Miscellaneous		
Decals		Standard warning and safety package. Decals in English.
Conspicuity Tape		Discontinuous tape
Customer Logo		None
Document holder		Truck Lite 97960 Certificate Holder. Install in standard location unless otherwise specified.
Placards		None
Paint		None. No paint or primer installed on trailer.
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.
* Warranty		Polar standard two year.
Tests		Standard testing.
Drawings		None.

DISCLAIMER

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.