



Hale Trailer Brake & Wheel

108459

Barrel Description	
Model	ATB6 9600-4, Aluminum, Elliptical, Tapered, Baffled, D.O.T. 406 trailer
Code	DOT 406
Capacity	9600 gallons (up to +3% tolerance, 60 gallons minimum)
Compartments	Four (3200/2200/1200//3100)
Shape	Elliptical, tapered, baffled.
Shell Material	Aluminum, .204" bottom, .180" top and sides.
Head and Baffle Material	Aluminum, .250" and .190", Double bulkheads separating compartments three and four.
Operating Pressure	3.3 PSIG
Design Temperature	125 Degrees F.
Overall Length	43'10"
Product	7.5 # per Gallon

Other Barrel Information	
Weld finish	W-0 inside
* Material Finish	Buffed / Polished finish on shell sides.
* Material Finish	Buffed/Polished finish on front head.
* Material Finish	Buffed/Polished finish on rear head.
* Material Finish	Front or Rear head to be hand polished. (Head specified in notes)



Construction

Frame		Front to rear aluminum framing. Standard width, Outriggers and pads at front and rear outrigger at landing gear, outriggers as needed to mount accessories.
* Dam Drains	0.5	3" walkway drain through tank, at rear of trailer, each side. Note: Only one walkway drain through tank in lieu of each side.
Overturn Protection		Overturn Protection, full length structural aluminum extrusion each side on top, dams front and rear with transverse, curbside rail doubles as vapor rail.
* Manhole	4	Betts PPVL820BX, 20" zinc plated steel cover with 10" offset fill. Includes vapor and sensor holes. Includes 6496ALB, pressure / vacuum vent mounted in 10" relief valve cover.
Gasket	4	Buna-N gasket in cover
Gasket	4	Buna-N gasket in 10" fill
Splash deflector	4	Aluminum, deflector installed over emergency valve.
Capacity indicator		None
Static cable	4	1/8" stainless steel ground wire from manhole to bottom of tank.
Rings		No Rings installed.

Hose Carriers

* Hose Carrier		Aluminum trough 4" high x max width x full length of barrel with brackets. Hose trough doubles as fenders on one side of trailer. Includes straps.
* Carrier Location		Mounted curbside

Lights and Wiring

* Lights		12-volt, Truck-Lite flange mount with security rings, LED lamp system complying to FMVSS. Combination center marker / turn signals, one each side.
Wiring		Plug-in style harness system.
Rear Lights		Enclosed in stainless steel light boxes
* Rear Lights		1 additional LED stop / turn / tail light. Total of 3 lights in each box. Rear lights to be red / amber / red.
* Extra Lights		Master switch to operate all work lights or spot lights. Installed by the switch.
* Extra Lights		Betts 325501 swivel LED floodlight(s) with clear lens. No switch included.

Installed forward of the cabinet.

Nose box

Standard 7 way, J560 receptacle with out circuit breakers.

Undercarriage

Upper 5th Wheel	5/16" Heavy duty with A.A.R. style double hubbed kingpin.
Paint	Fifth wheel plate painted black.
* Landing Gear	Jost AX150 landing gear, Alumilight, cushion foot, 5 year maintenance free, and 10 year Jost warranty.
Frame	Welded aluminum construction, load bearing.
Bracing	Stainless steel, with cross brace.
Crank location	Crank handle located on roadside
Tire carrier	None.
Suspension	Hendrickson Intraax AANT23K, 23000 lb., tandem axle with standard 49" axle spacing. 5.75" diameter Hendrickson integrated axles.
* Hangers	Carbon steel, primed hangers. (Suspension requires paint.)
Dump valve	None
* Subframe	Extruded aluminum sub frame, 44 wide, with aluminum fender supports.
Bumper	Aluminum, straight, weld-on. D.O.T. code, per FMVSS223
Under-ride Protection	None (no under ride required, Wheels back exempt.)
Beam	Straight
* Track	77-1/2" track (Requires 44" Wide Subframe.)
Spindle	OEM Standard P spindles (parallel) same inner and outer bearing
Wheel seals	OEM Standard
* Hub & drums	Ready to Roll, Duralite Hub with Centifuse Drum.
Miscellaneous	None
Brakes	OEM Standard
Anti-lock / Roll stability	OEM Standard 4S/2M with tandem axle roll stability for air-ride suspension.
* Brakes	Auxiliary aluminum air tank, 1400 cu. In. Install 3rd air tank on the front of the undercarriage.
Brake chambers	OEM Standard - Long stroke
Brake lining	OEM Standard Extended service, non-asbestos
Slack adjusters	OEM automatic slack adjuster.

Valves	OEM Standard
Gladhands	Gladhand, Phillips, Quick Release
Air system	Two aluminum tank system. 2800 cu. in. each, or equivalent, meeting FMVSS 121 D.O.T. specifications
* Wheels	Alcoa 22.5 x 14 aluminum disc, ultra one with clean buff, super single wheels.
* Wheels	Dura-brite aluminum, outside wheels
* Tires	445/50R-22.5 Michelin X1-Multi Energy T, DIRECTIONAL super singles tires. GHG2 COMPLIANT.
* Front	Single contour ribbed front fender. Mounted one side of trailer, hose trough doubles as fender.
* Rear	Double contour ribbed rear fender. Mounted one side of trailer, hose trough doubles as fender.
Mud flaps	White, anti-sail and anti-spray with Polar logo, mounted front and rear.

Valving and Piping

Seal provisions	None
Sump	4 4" aluminum drain pocket
* Emergency Valve	4 Betts, Emergency Valve, EV46909ALTS, 4" aluminum internal air, straight out.
* Emergency Valve Operator	Betts Air Control kit includes master control push/pull incorporated into air distributor. One emergency trip located roadside, front of tank.
* EVO Lines	Air tubing.
* EVO Location	Mounted in EVO portion of large cabinet. Note: Mounted on panel with monitor and sockets.
Pipe	4" aluminum schedule 10 pipe, with large radius elbows, ending center at aluminum locator bracket with flanged outlet.
Discharge location	Curbside of trailer.
* Outlet valve	4 Dixon Bayco 4" 5204SNG, openable adaptor. Note: Attach bracket with compartment capacity to each adapter.
* Sight glass	4 Jikoh sight glass, mounted prior to outlet. #JDG-105. Compatible with ethanol.
* Adaptor	4 Dixon Bayco 4" x 4" aluminum, dual cam style, male gravity drop adaptor(s) with sight glass, cap(s) and chain(s), Baylast seal. #4540SG. Specify qty
* Cap	4 4" aluminum dust cap

Interlock

* Interlock bar		Aluminum safety bar with lock pin; over centralized discharge and vapor outlets. Activates (1) brake interlock valve
* Interlock valve	2	Brake interlock Bayco 5000AIHD valve mounted at outlet. (2) installed (1) installed on the rear vapor outlet and (1) installed inside of the cabinet.

Venting and cleanouts

Pressure	None
Vacuum	None
Cleanouts	None
Caps	None, No caps installed.

Walkway and Ladder

Top center		Non-skid tape, full length of barrel between overturn rails.
Ladder		Aluminum tubular walk through, with serrated rungs and large platform step, and integral grab handles.
* Ladder Location		Mounted at front head, centered.

Cabinet

* Cabinet		Aluminum cabinet 24" high X 48" wide X 24" deep with 2 doors
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Overfill system

* Overfill system		Flo-tech plug-n Play system with one Dixon/Bayco top optic sensor (per compartment). Includes dual socket box (optic and thermistor sockets with internal ground verification device.) Monitor includes air over electric switch to indicate the vents are open prior to monitor receiving permit light. System has complete plug-in harness. Has separate monitor and sockets. Control installed off the barrel frame forward of the cabinet curbside. Dual plugs installed on the front of the cabinet.
* Overfill system	4	Dixon Bayco/FloTech Checkmate bottom retain sensor, and coupling with harness. #FT152. Specify qty.
* Overfill system		Flo Tech trailer identification module, FT470.

Vapor Recovery

Provisions		3" pipe stubs in curbside overturn rail, near manhole.
* Vent		3.5" Betts #AVF3.5ALTS sequential vents, air operated for 20" manhole. Plumbed to Emergency valve operator. Flanged.
* Line		4" aluminum pipe, through barrel with shear section, with one outlet to curbside over rear of rear fender, one outlet curbside 15" to rear and 15" to front of discharge valve area, 4" outlet.



* Adaptor	3	Bayco 4" x 4", vapor recovery adaptor, with poppet and interlock mount. Threaded. #VR4100. Specify qty.
* Cap	3	Bayco 4" orange nylon vapor cap, with chain. #VR4050PL. Specify qty.

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.
Calibration	Computer generated theoretical calibration chart, 1/4" increments. Based on innage.
* Placards	Four Aluminum slide-in on brackets, one mounted each side of trailer.
* Paint	Polyurethane on all carbon steel parts Mild steel parts painted Gray.
Fire Extinguisher	None
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.