



HIGHWAY TRANSPORTATION EQUIPMENT COMPANY INC
 51 Industrial Circle Lancaster PA 17601
 Phone (717)656-4329 FAX (717)656-4238



Pricing Administration Use Only				
HT-48562.00	00			2/23/2024
Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

Customer HY-TEC Stock
Base Model Part Number 37705.1
Specified Model Description AWB6 9400-4C6 ST DT90,3500/2000/1100//2800,3.3 PSI, 180 F, Standard Duty Petroleum Trailer 45'

A. Vessel

1) Design

AWB6 9400-4 ST DT90, Aluminum, Elliptical Tapered, Baffled, D.O.T. 406 trailer, Standard Duty Petroleum Trailer.

Code: DOT 406

Capacity: 9400 gallons plus 3% outage. (Capacities are nominal unless stated otherwise.) 60 gallons is the minimum outage for any size compartment.

Compartments: Four Compartments, Front to Rear. (3500/2000/1100//2800)

Shape: Elliptical, Taper DT90 GPI

Shell Material: Aluminum - 5454 alloy, All size / gauges are nominal. Top: 0.180, Sides: 0.180, Bottom: 0.192

Head and Baffle Material: Single heads between all compartments except double heads between compartments 3 and 4. 0.201 stiffened and shoed front and rear heads. 0.201 stiffened and shoed heads / baffles over kingpin. 0.201 stiffened and shoed heads and baffles over rungear. 0
 .201 Unstiffened compartment heads, .201 Unstiffened baffles between compartments heads.

Operating Pressure: Tested at 5 PSI, rated 3.3 PSIG

Design Temperature: -20 Degrees F. to 180 Degrees F.

Overall Length: 45'0"

Product: Gas, Diesel Fuel, or similar (Customer Responsibility)

B. Construction

1) 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.

2) Dam

Dam Drains: Drains through ladder rails.

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.



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3) Manhole

- 4 * Betts PPVL816AX, 16" aluminum 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

4) Fill

- Gasket: 4 Buna-N gasket in 10" fill

5) Splash deflector

- 4 Splash shield-vortex breaker over emergency valve.

6) Capacity indicator

None

7) Static cable

- 4 1/8" stainless steel ground wire from manhole to bottom of tank.

8) Rings

- 2 No Rings installed.

C. Other Barrel Information

1) Material Finish

- Shell Material Finish: Buffed/Polished finish on shell sides.
- Front Head Finish: Buffed/Polished finish on front head.
- Rear Head Finish: Buffed/Polished finish on rear head.

2) Weld finish

W-0 inside

D. Venting and cleanouts

1) Venting

DOT-406 venting in manhole.

2) Cleanouts

- None
- Caps: None, No caps installed.

E. Vapor Recovery

1) Provisions

3" black nylon vapor recovery nipples connected to flashing rail. A hose connects the vapor recovery vent to the nylon vapor recovery nipple.

2) Vent

- * 3.5" Betts #AVT3.5ALTS sequential vents, air operated for 16" manhole. Plumbed to Emergency valve operator. Threaded.



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- 3) 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.
- 4) Adaptor 3 * Bayco 4" x 4", vapor recovery adaptor, with poppet, sight glass, and interlock mount. Flanged. #VR4000. Specify qty.
- 5) Cap 3 * Bayco 4" orange nylon vapor cap, with chain. #VR4050PL.

F. Valving and Piping

1) Seal provisions None

2) Sump 4 4" aluminum drain pocket

3) Emergency Valve 4 * Betts EV46911ALTS 4" x 4" 90 degree, internal, hi flow, aluminum, air operated, Teflon seals and Victaulic outlet, attached to sump. Internal air cylinder.

4) Emergency Valve Operator

* Air control panel, TW-1 emergency on-off valve to be mounted on control panel above each API head. Main switch and air gauge to be mounted on the control panel. Emergency closure TW-1 valve located at front head roadside.
 Operator system shall consist of TW-1 valves and gauge. Mounting plate for the internal valve operators should be marked OPEN and CLOSE, and mounted in a vertical position
 EVO Lines: Air tubing.
 When the EVO cabinet door is closed, complete emergence valve/vapor system drains.
 EVO Location: Mounted in separate EVO cabinet.
 Operator system to be energized by a push /pull button located inside the EVO cabinet that must be manually opened (pulled), then air is supplied to the vapor vents, and then on to the emergency valve controls.

5) Pipe

4" aluminum schedule 10 pipe, with large radius elbows, ending center at aluminum locator bracket with flanged outlet. API spacing at 15" on center. Exceeds API RP1004 recommendations, unless otherwise specified.
 Flanged Gaskets: 4 All gaskets in discharge piping to be Viton.
 Couplings: Aluminum coupler on groove-groove connections with Baylast gaskets.

6) Outlet valve 4 * Dixon/Bayco openable API adaptor with aluminum handle and full in line sight glass, #5204SFI.



7) Adaptor

- 4 * Dixon Bayco 4" aluminum male gravity drop adaptor(s) with cap(s) and chain(s), Baylast seal. #4540.

G. Walkway and Ladder

1) Walkway

Top center: Non-skid tape, full length of barrel between overturn rails.

2) Ladder

Aluminum tubular walk through, with serrated rungs and large step, and integral grab handles.
 Ladder Location: Mounted at rear head, centered. With step below bumper.

H. Cabinet

1) Cabinet

- Aluminum cabinet 24" high X 24" wide X 20" deep with 1 door
 Located curbside forward of discharge outlets. sees/o440367
- 3 * Door(s) to include C-spring hinge.
 on all cabinet doors
- * Aluminum cabinet 30" high X 48" wide X 28" deep, two door cabinet without center post.
 mounted C-S in front of rungear frame.
- 2 * Hasp and pin type lock, installed on cabinet.
 on 24" and 48" cabinet doors
- * Aluminum cabinet shelf 24wide X 24 deep.
 in 48" cabinet see s/o440367

I. Hose Carriers

1) 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 1/4" X 1 1/2" heavy duty straps.
 * Aluminum hose trough covers to be mounted at front and rear of trough, 18" long.
 Carrier Location: Mounted curbside

2) Gauge Stick Tube

- * Aluminum gauge stick tube 2" diameter x 20' long.
 stick tube mounted rearward outside of hose tray. Pin at front capped @ rear.



J. Lights and Wiring

1) Lights

12-volt, Truck-Lite flange mount LED lamp system complying to FMVSS. Combination center marker / turn signals, one each side.

2) Wiring

7-way wiring

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

ISO 3731. Install ABS Only

3) Rear Lights

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

- * 1 additional LED stop / turn / tail light. Total of 3 lights in each box.

Additional red LED light in each light box (outside red light turn) other two stop

- * Additional set of light boxes mounted on rear head at 3 o'clock and 9 o'clock. To include combination turn and tail lights.

(red) and turn (amber) "high-mounted"

4) Stop Light

Truck-Lite flange mount, 60 series, 26 diode LED, oval stop light mounted at rear head.

5) Extra Lights

- 2 * Truck-Lite 81 series, 6 diode, LED, work light, stud mount. No switch included with this option. #81360. Specify location and qty.

Work lights (LED) mounted above discharge area. Includes two lights & one common switch. Truck-Lite model 81360

- 2 * Truck-Lite Flange mounted, sequential LED turn arrows mounted curbside and roadside. #60282Y

LED sequential turn signals in angled aluminum housing mounted on rear of front streetside fender and curbside directly across, under hose tray 2 Total. LED sequential turn signal in enclosure mounted on each rear light box. 2 Total

- * Master switch to operate all work lights or spot lights.

Installed in the control box. To power all spot lights.

- * Peterson 916S swivel LED floodlight(s) with toggle switch.

Peterson swivel spot light curbside forward of discharge, mounted rear of EVO cabinet above overfill sockets. See dwg. 103808700

6) Nose box

Standard 7 way, J560 receptacle without circuit breakers.

Location:

Nose box mounted lower roadside of front head.



7) Gladhands

Gladhand, Phillips, Quick Release

K. Overfill system

1) 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.
- * Add additional socket, same brand as controller.
(1) SJ6 S FloTech mounted on Aluminum Bracket on forward side of 48" cabinet
- 4 * Dixon Bayco/FloTech Checkmate bottom retain sensor, and coupling with harness. #FT152. Specify qty.
- * Flo Tech ground bolt, #FT450, Grounding of overfill system.
- * Flo-tech, ground ball, stainless steel, mounted at overfill socket area.
Install Ground Hog on trailer frame wired to #9 Pin
- * Flo Tech trailer identification module, FT470.
Install TIM Chip in SJ6S Socket

L. Interlock

1) Interlock bar

Aluminum safety bar with lock pin; over centralized discharge and vapor outlets. Activates (1) brake interlock valve
 (If Possible use a heavier Gauge on the Bar Tube)
 Eliminate center bar interlock bracket.

2) Interlock valve

- * Brake interlock Bayco 5000AIHD valve mounted at outlet.
Locate on curbside rear vapor outlet.

M. Chassis

1) Upper 5th Wheel

5/16" Standard duty upper coupler with Heavy duty double hubbed kingpin.
 Should read Standard duty ILO heavy duty.

2) Skid Plate

Aluminum skid plate.

3) Landing Gear

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



4) Suspension

- * Hendrickson INTRAAX AANT/AANL 23K two axle suspension set, (1) AANT23K fixed and (1) AANL23K lift suspension. Includes 5.75 integrated axles. All lift axle controls included with controls clearly marked and housed in weatherproof box. Axle spacing to be determined by scale.
- Dump valve: * Hendrickson manual dump valve AK-68. Specify location in notes.
 Located in small plastic box streetside forward of rungear
- Lift Axle Control: * Meritor Lift Axle Control paired with Wabco RSS ABS. Auto load sensor raises and lowers lift axle when loading or unloading, includes manual override. FRONT AXLE TO LIFT AS STANDARD, UNLESS OTHERWISE SPECIFIED.
- Suspension Hangers: Galvanized hangers with soft coat applied to axle and trailing arm. For use on aluminum subframe with bolt-on hangers.
- Subframe: * Aluminum subframe, 44" wide, AANT hanger provisions with aluminum fender supports.
- Bumper: D.O.T. code, aluminum, straight, weld-on bumper.
- Bumper Overlay: Straight buffed/polished aluminum bumper overlay full width
- Under-ride Protection: None (no under ride required, Wheels back exempt.)

5) Axles

- Beam: Straight axle beam
- Track: * Axle track, 77.5"
- 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.

6) Brakes

- Anti-lock / Roll stability: OEM Standard 4S/2M with tandem axle roll stability for air-ride suspension.
- Air system: Two (2) aluminum tank system. 2800 cu. in. each, meeting FMVSS 121 D.O.T. specifications.

7) Emission Compliance

NA

8) Wheels

- * Alcoa Ultra One 24.5 x 8.25 Mirror Polish with DuraBright finish on (4) outside wheels, and Ultra One 24.5 x 8.25 High Polish on (4) inside wheels.

9) Tires

- * 11R-24.5 Goodyear Marathon LHT 14-ply radials.

10) Tire pressure system

No tire pressure system included.

11) Fenders

- Front: Single contour ribbed front fender. Mounted one side of trailer, hose trough doubles as fender.



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Rear: Double contour ribbed rear fender. Mounted one side of trailer, hose trough doubles as fender.

12) Mud flaps

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

N. IntelliTANK

1) IntelliSECURE

IntelliTANK - None

O. Miscellaneous

1) Decals

Standard warning and safety package, Complying to FMVSS. HM-183, Vapor and Chevron exhibit "C" Form. Decals in English. Heil nameplate on front end dam and rear bumper.

2) Conspicuity Tape

Discontinuous tape

3) Customer Logo

None

4) Document holder

* James King model 550 document holder.
 550 (measures 10" x 15" x 1.25") located on the back wall of fitting cabinet, as high as possible

5) Calibration

Computer generated theoretical calibration chart, 1/2" increments. Based on innage.

6) Placards

* Four Aluminum slide-in on brackets, one mounted each side of trailer.
 Placards mounted to face front, rear, and one each side

7) Paint

None. No paint or primer installed on trailer.

8) Product Indicator

4 * Trucknology 8-sided product indicator, TW913. Includes mounting bracket and decals per compartment.
 Premium Unleaded, Unleaded Plus, Regular Unleaded, Diesel #1, Kerosene, Ethanol, Vapor, #2 Fuel Oil
 Small aluminum brackets, one installed on each discharge pipe, above each commodity indicator for compartment capacity decals

9) Static studs

4 * 3/8" brass ground lug #7523 Specify location
 (2) pair of brass ground lugs mounted curbside. (1) pair on overfill socket bracket, below sockets rear wall of EVO cabinet. (1) pair mounted on forward wall of 48" cabinet per dwg 103808700.



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10) Fire Extinguisher

None

11) Cone holder

* Aluminum bracket to hold safety cones, with strap to secure cones.
for 10" cones, single, mounted C-S in front of rungear frame.

12) Warranty

* Heil Trailer Diamond Warranty Package.

13) Tests

Vapor tested and certified to EPA Method 27-CA Air Resources Board standards and manholes sealed.

14) Drawings

None.



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Order Acceptance Form

Model : AWB6 9400 C4 ST DT, Standard Duty Petroleum Trailer

**Sales Rep. : Matt Leed ... PHONE: 717-656-4329 ext. 112 CELL: 717-715-5116
 E-MAIL: matt@hytectank.com**

**Ship To : HY-TEC
 51 Industrial Circle
 Lancaster PA 17061**

End User : HY-TEC Stock

Item Price	:	114,900.00
F.E.T.*	:	14,052.00
State Tax	:	0.00
Shipping	:	2,200.00
Total Price	:	131,152.00
Total Weight	:	+/-3%

Quote Name: HY-TEC Stock

Quote Date: 2/23/2024 (Quote is valid for 30 days from this date)

Delivery schedule subject to plant approval.

This quotation is subject to the terms and conditions which can be viewed on our website: www.heiltrailer.com

CUSTOMER PICKUP OF COMPLETED UNITS

- In the case of a customer pickup, customer agrees to pick up the unit within three (3) calendar days following completion. If after the three (3) calendar days the customer has not picked up the units, customer requests Heil Trailer International, Co. to deliver the unit to the designated off-site storage area and authorizes Heil Trailer International, Co. to store the unit until it is picked up by the customer.

F.E.T. is 12% of the Item Price less the F.E.T. tire credit. Local fees and local use taxes are also not included.

Order Confirmation:

Order Review:

 Customer Date

 Distributor Date