



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



Pricing Administration Use Only				
HT-47831.00.02	02	61207		8/1/2024
Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

Customer HY-TEC Stock
Base Model Part Number 37160.1
Specified Model Description AVB6 9200-5C6 ST 19,2500/2100/1000/1500//2100,3.3 PSI, 180 F, Standard Duty Petroleum Trailer (can replace 2 BFLS with T-rings) 44'6"

A. Vessel

1) Design

AVB6 9200-5 ST 19, Aluminum, Elliptical, Baffled, D.O.T. 406 trailer, Standard Duty Petroleum Trailer.

Code: DOT 406

Capacity: 9200 gallons plus 3% outage. (Capacities are nominal unless stated otherwise.)
 60 gallons is the minimum outage for any size compartment.

Compartments: Five Compartments, front to rear. (2500/2100/1000/1500//2100)

Shape: Elliptical, 19.34 GPI

Shell Material: Aluminum - 5454- alloy. All size / gauges are nominal.
 Top: 0.180
 Sides: 0.180
 Bottom: 0.204

Head and Baffle Material: Single heads between all compartments except for double heads between compartments 4 and 5.
 Aluminum
 0.201 stiffened and shoed heads / baffles over kingpin, front and rear heads.
 0.201 stiffened and shoed heads and baffles over rungear.
 0.201 unstiffened compartment heads and 0.185 unstiffened surge heads

Operating Pressure: Tested at 5 PSI, rated 3.3 PSIG

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

Overall Length: 44'6"

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



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Dam Drains: * 3" walkway drain through tank, at rear of trailer, 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.

3) Manhole

5 * 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: 5 Buna-N gasket in cover

4) Fill

Gasket: 5 Buna-N gasket in 10" fill

5) Splash deflector

5 Splash shield-vortex breaker over emergency valve.

6) Capacity indicator

None

7) Static cable

5 1/8" stainless steel ground wire from manhole to bottom of tank.

8) Rings

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

Caps: None
 None, No caps installed.

E. Vapor Recovery



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- 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" Bayco #VR6030SQ sequential vents, air operated for 16" manhole. Plumbed to Emergency valve operator. Threaded.
- 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", threaded vapor recovery adaptor, with poppet and interlock mount. #VR4100
- 5) Cap 3 * Bayco 4" orange nylon vapor cap, with chain. #VR4050PL.

F. Valving and Piping

- 1) Seal provisions None
 - 2) Sump
 - 5 4" aluminum drain pocket
 - 4 * Aluminum sump trough.
In compartments 1, 2, 4 & 5
 - 3) Emergency Valve 5 * Betts 4" EV46455ALTS, 90 degree aluminum, internal, air operated, tapered Teflon seat and victaulic outlet. External air cylinder. To simplify piping, a straight valve may be used in place of an elbow style.
 - 4) Emergency Valve Operator
 - * BW #229635 TW-1 valves marked "open" and "close", and gauge. Emergency trip lever located roadside front. Vapor hose connection requires to operates system.
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.
TW-1 air valves with pressure gauge and manual valve to open/auto close by cabinet door (mark clearly). Control switches to operate in an up-down motion. Pressure gauge to be below #1 cpt switch. Clearly mark the valves OPEN and CLOSED.
- EVO Lines: Air tubing
 EVO Location: * Mounted in large fitting cabinet.



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5) Pipe

4" aluminum schedule 10 pipe, with large radius elbows, ending curbside center at aluminum locator bracket with flanged outlet. API spacing at 15" on center. Exceeds API RP1004 recommendations, unless otherwise specified.

Flanged Gaskets:

All gaskets in discharge piping to be Viton.

Couplings:

Aluminum coupler on groove-groove connections with Baylast gaskets.

6) Outlet valve

5 * Dixon/Bayco openable API adaptor with aluminum handle and full in line sight glass, #5204SFI.

7) Adaptor

5 * 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 front head, centered.

H. Cabinet

1) Cabinet

Aluminum cabinet 24" high X 24" wide X 20" deep with 1 door

Mounted forward of piping (to house EVO operators) Door to include C-spring hinge.

2 * Door(s) to include C-spring hinge.

* Aluminum cabinet 30" high X 42" wide X 28" deep with 1 door with RH hinge
 Mounted curbside in front of running gear. Cabinet to include C-spring hinge on right side

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.

Carrier Location:

* Mounted curbside rear

2) Gauge Stick Tube

* Aluminum gauge stick tube 2" diameter x 20' long.



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Mounted on curbside outriggers above hose tray. Front & rear of tube open w/ removable pins.

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

- * Top wiring and airlines routed through internal drains. NOTE: Wiring and airlines through internal drains may prevent loading of the trailer at certain load rack locations. Customer is responsible to check with all loading facilities they frequent to confirm if wiring and airlines routed through internal drains is acceptable.

3) Rear Lights

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

4) Stop Light

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

5) Extra Lights

- * Additional set of LED flange mounted sequential turn lights mounted on curbside and roadside.
(2) LED Sequential turn signal in angled aluminum housing on rear of front fender Street side, One mounted at rear of front fender area under hose trough.
- * Peterson 916S swivel LED floodlight(s) with toggle switch.
On forward side of cabinet to illuminate work area.
- * Two round 4" LED work lights mounted above discharge area. Includes two lights and one common switch.
Switch to include power for work lights and spotlight, located in EVO cabinet

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



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- * Dixon Bayco, Flo-tech FT2805 Checkmate two wire system, one top optic sensor (per compartment) with one optic and one thermister socket.
 Monitor is to be mounted on back wall of EVO cabinet
 Dual Thermistor and Optic socket to be mounted on left wall (as close to the door as possible) inside EVO cabinet
- * Flo Tech ground bolt, #FT450, Grounding of overfill system.
 Stainless steel ground hog bolt mounted on frame rail, near control sockets and wired to #9 pin on thermister socket. Brand to be the same as the overfill system.
 on frame near monitor
- * Flo Tech trailer identification module, FT470.
 Installed in SJ6S Socket- in EVO Cabinet

L. Interlock

- 1) Interlock bar** Aluminum safety bar with lock pin; over centralized discharge and vapor outlets. Activates (1) brake interlock valve
- 2) Interlock valve** * Brake interlock Bayco 5000AIHD valve mounted at outlet.
 located on rearmost vapor outlet

M. Pump System

- 1) Hydraulic Lines** None
- 2) Meter** None
- 3) Meter Installation** None

N. Chassis

- 1) Upper 5th Wheel** 5/16" Standard duty upper coupler with Heavy duty double hubbed kingpin.
- 2) Skid Plate** Aluminum skid plate.
- 3) 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.



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4) Suspension

<p>Dump valve:</p> <p>Lift Axle Control:</p> <p>Suspension Hangers:</p> <p>Subframe:</p> <p>Bumper:</p> <p>Bumper Overlay:</p> <p>Under-ride Protection:</p>	<p>Hendrickson INTRAAX AANT23K tandem axle with 5.75" diameter Hendrickson integrated axles. Axle spacing to be determined by scale.</p> <p>* Hendrickson ZMD suspension air bags (Zero Maintenance Damping)</p> <p>* Hendrickson manual dump valve AK-68. Specify location in notes.</p> <p>Manual dump to control both axles, locate inside EVO cabinet, when door is closed, suspension is "re-aired" (to prevent moving with empty bags)</p> <p>None - no auto lift controls included</p> <p>Galvanized hangers with soft coat applied to axle and trailing arm. For use on aluminum subframe with bolt-on hangers.</p> <p>Aluminum subframe, 38" wide, AANT hanger provisions with aluminum fender supports.</p> <p>D.O.T. code, aluminum, straight, weld-on bumper.</p> <p>* Buffed/Polished aluminum bumper overlay for petro units with wings</p> <p>None (no under ride required, Wheels back exempt.)</p>
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5) Axles

<p>Beam:</p> <p>Track:</p> <p>Hub & drums:</p>	<p>Straight axle beam</p> <p>Axle track, 71.5"</p> <p>* Hendrickson 7 year warranty, Ready to roll, Maxx22T disc brakes with Duralite hubs, semi-fluid grease. OEM slack adjusters, seals, brake chambers and brake lining.</p>
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6) Brakes

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

NA

8) Wheels

Original Equipment Manufacturer, 22.5 X 8.25 Aluminum polished wheels

9) Tires

Original Equipment Manufacturer, 11R-22.5, Load Range G 14 Ply.

10) Tire pressure system

* Hendrickson TIREMAAX PRO-LB tire inflation system 2 axles, RTR

11) Fenders

<p>Front:</p>	<p>Single contour ribbed front fender. Mounted one side of trailer, hose trough doubles as fender.</p>
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Rear: Double contour ribbed rear fender. Mounted one side of trailer, hose trough doubles as fender.

12) Mud flaps White with Heil logo. Front and rear, HEIL, anti-sail, anti-spray flaps.

O. IntelliTANK

1) IntelliSECURE IntelliTANK - None

P. 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 * Truck Lite 97960 Certificate Holder. Install in standard location unless otherwise specified.
 Mounted over top of street side landing gear frame.

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.

7) Paint None. No paint or primer installed on trailer.

8) Fire Extinguisher None

9) Warranty Heil Trailer Silver Warranty Package.

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

11) Drawings None.



Order Acceptance Form

Model : ST 9200 19 C5, 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 : <u>HY-TEC</u> 51 Industrial Circle Lancaster PA 17061	Item Price	:	106,500.00
	F.E.T.*	:	13,044.00
End User : <u>HY-TEC Stock</u>	State Tax	:	0.00
	Shipping	:	2,200.00
Total Price			\$121,744.00
Total Weight			+/-3%

Quote Name: HY-TEC Stock

Quote Date: 8/1/2024 (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