



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



Pricing Administration Use Only				
HT-55308.00	00			8/26/2025
Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

**Customer** HY-TEC Stock  
**Base Model Part Number** 40176.1  
**Specified Model Description** AVB6 9200-4C8 HD 19, HG2, 3000/1200//2000//3000,3.3 PSI, 180 F, Heavy Duty Petroleum Trailer, 44'6"

#### A. Vessel

##### 1) Design

AVB6 9200-4 HD 19, High gross, Aluminum, Elliptical, Baffled, D.O.T. 406 trailer, Heavy 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: Four Compartments, front to rear. (3000/1200//2000//3000)

Shape: Elliptical, 19.34 GPI

Shell Material: Aluminum - 5454 alloy, All size / gauges are nominal. Top Ends: 0.180, Top Center: 0.192, Sides: 0.180, Bottom Front: 0.244, Bottom Rear: 0.200

Head and Baffle Material: Single heads between all compartments except double heads between compartments 2 and 3, 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 stiffened and shoed compartment heads and 0.201 unstiffened surge heads between compartments. Heavy Duty service package includes supplemental outriggers at all bulkheads and baffles within the tank center section.

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

Dam Drains: Drains through ladder rails.



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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

- |         |   |  |
|---------|---|--|
|         | 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

No Rings installed.

## C. Other Barrel Information

### 1) Material Finish

- |                        |  |
|------------------------|--|
|                        | * Front and rear head to be hand polished. |
| 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.



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## 2) Vent

- \* 3.5" Betts #AVT3.5ALTS 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" aluminum vapor pipe crossover to roadside of trailer, ending in 4" outlet. Vapor outlet street side 15" to rear, 4" product outlet.
- 2 \* Betts 4" aluminum wet-r-dri metering butterfly valve, WD-404-ALV, with viton seals, ending in 4" thread  
Located on curbside and StreetSide vapor outlet rear of #4 discharge.

## 4) Adaptor

- 4 \* 4" x 4", flanged, Bayco vapor recovery adapter, VR4100F-NGNP, without poppet & sight glass and includes interlock mount.

## 5) Cap

- 4 \* 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.

EVO Lines:  
EVO Location:

Air tubing.  
Mounted in separate EVO cabinet.

### 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.
- \* 4" Aluminum crossover lines to roadside ending in flange.  
opposite side of #4 discharge line, line to be angled to curbside. Crossover line to end with Betts Wet-R-Dri valve includes gaskets and flanged, adapter and cap.



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- |                  |   |   |
|------------------|---|---|
| Flanged Gaskets: | 4 | All gaskets in discharge piping to be Viton.  |
| Couplings:       |   | Aluminum coupler on groove-groove connections with Baylast gaskets.   |
| Manifold:        | * | 4" pipe manifold with one Betts wet-r-Dri valve separating each line, attached to flanged outlets.  |
| Pump off line:   | * | 3" aluminum schedule 10, pump off line from front of manifold with wet-r-Dri valve, to front curbside fender ending with wet-r-Dri valve, flanged adapter, and cap.<br>Front of pump off line at curbside front to be straight, facing forward. |

#### 6) Outlet valve

- |   |   |   |
|---|---|---|
| 4 | * | Dixon/Bayco openable API adaptor with aluminum handle and Baylast seal. No sight bubble. #5204NG  |
|   | * | Betts 4" aluminum wet-r-dri metering butterfly valve, WD-404-ALV, with viton seals, ending in 4" thread<br>located on roadside crossover line |

#### 7) Adaptor

- |   |   |   |
|---|---|---|
| 4 | * | Dixon Bayco 4" aluminum male gravity drop adaptor(s) with cap(s) and chain(s), Baylast seal. #4540. |
|   | * | 4" aluminum TTMA flanged male adaptor.<br>located roadside crossover line                           |

#### 8) Cap

- |   |                      |
|---|----------------------|
| * | 4" aluminum dust cap |
|---|----------------------|

#### 9) Sight glass

- |   |   |  |
|---|---|--|
| 4 | * | Jikoh sight glass, mounted prior to outlet. #JDG-105. Compatible with ethanol.<br>Curbside discharge |
|---|---|--|

### 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 |
| Mounted curbside forward of piping                          |



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- \* Aluminum cabinet 30" high X 48" wide X 28" deep, two door cabinet without center post.  
Mounted curbside in front of tandem frame.

## I. Hose Carriers

### 1) Hose Carrier

Carrier Location:

- \* Aluminum trough 4" high x max width x full length of barrel with reduced center section above discharge area; with brackets. Hose trough doubles as fenders on one side of trailer 1/4" X 1 1/2" heavy duty straps.  
Mounted curbside

### 2) Gauge Stick Tube

- \* Aluminum gauge stick tube 2" diameter x 16' long.  
Locate inside on outer edge of trough, Front of tube protruding 2" out of reduced center section with removable pin and rear capped with small drain hole

## 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.  
NOTE: light mounted on hose trough side to be mounted under outer edge of hose trough

### 2) Wiring

7-way wiring with junction box.

### 3) Rear Lights

Aluminum light boxes, 2 holes each and located at the rear, one each side of tank.  
\* Security rings on light boxes.

### 4) Stop Light

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

### 5) Extra Lights

- \* Two round 4" LED work lights mounted above discharge area. Includes two lights and one common switch.  
Wire work and spot lights into switch located in the EVO cabinet
- \* Light(s) in cabinet  
LED cabinet light in fitting box wired to switch in EVO cabinet.
- 2 \* Additional set of LED flange mounted sequential turn lights mounted on curbside and roadside.  
(4) LED sequential turn signal lights mounted in aluminum boxes, one at rear of each front fender (area) and one on top outside corner of each rear light box.



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- 2 \* Truck-Lite 81 series, 6 diode, LED, work light, stud mount. No switch included with this option. #81100. Specify location and qty.  
Truck-Lite fixed LED spot lights.. One curbside, forward of discharge piping (mounted on the rear of EVO cabinet) – one rear of discharge piping (mounted on the front of fitting 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

- \* 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.  
Monitor located in EVO cabinet near back wall.  
Sockets in EVO cabinet located on left hand corner near the door.  
\* Flo Tech trailer identification module, FT470.

## 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

Civacon 300 series air interlock valve(s) with push button. Specify quantity and location.  
Installed on the rear vapor outlet.

## M. 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 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.



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#### 4) Suspension

	<ul style="list-style-type: none"> <li>* Hendrickson INTRAAX AANT/AANL 23K two axle suspension set, (1) AANT23K fixed and (1) AANL23K lift suspension. Includes 5.75 integrated axles. Axle spacing to be determined by scale.</li> </ul>
Dump valve:	<ul style="list-style-type: none"> <li>* Hendrickson manual dump valve AK-68. Specify location in notes.</li> </ul> <p>Manual dump valve system with manual valve mounted in protective box. 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>
Lift Axle Control:	<ul style="list-style-type: none"> <li>* Meritor Lift Axle Control paired with Wabco RSS ECU. Auto load sensor raises and lowers lift axle when loading or unloading, includes manual override. FRONT AXLE TO LIFT AS STANDARD, UNLESS OTHERWISE SPECIFIED.</li> </ul> <p>MOUNTED ON FRONT AXLE.</p>
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, 38" 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, 71.5"
Hub & drums:	<ul style="list-style-type: none"> <li>* Hendrickson 7 year warranty, Ready to roll with Duralite hubs, centrifuse drums and semi-fluid grease. OEM slack adjusters, seals, brake chambers and brake lining.</li> </ul>

#### 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

Original Equipment Manufacturer, 22.5 X 8.25 Aluminum polished wheels

#### 9) Tires

- \* 11R-22.5 Bridgestone R123 Ecopia, 14-ply.

#### 10) Tire pressure system

No tire pressure system included.



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## 11) Fenders

Front:	Single contour ribbed front fender. Mounted one side of trailer, hose trough doubles as fender.
Rear:	Aluminum, double contour, ribbed, rear fender, each side.

## 12) Mud flaps

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

## N. TANK Ai™

### 1) IntelliSECURE

TANK Ai™ - None installed

## 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

- \* Truck Lite 97960 Certificate Holder. Install in standard location unless otherwise specified.  
Mounted on street side landing gear frame

### 5) Calibration

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

### 6) Placards

None

- \* Four JJ Keller placards, 6-legend, #13066 (614-TPF), one mounted each side of trailer.  
Placard to be mounted on face of fitting cabinet, centered between door latch and hinge c/s.  
Placard mount off tank frame between #7 and #8 bolster outrigger s/s.  
Placard to be mounted on (front of) s/s front fender. Placard mounted facing rear, mount off tank frame rear curbside

### 7) Paint

None. No paint or primer installed on trailer.

### 8) Fire Extinguisher

None



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#### 9) Cone holder

- \* Aluminum bracket to hold safety cones, with strap to secure cones.  
Mounted curbside in front of fitting cabinet. Cone holder, large, for 10" cones, to hold (4) cones.

#### 10) Warranty

Heil Trailer Silver Warranty Package.

#### 11) Tests

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

#### 12) Drawings

- \* Send customer approval drawing.



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## Order Acceptance Form

**Model** : HD 9200 19 C4, Heavy 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	:	114,100.00
F.E.T.*	:	13,920.00
State Tax	:	0.00
Shipping	:	1,900.00
		<b>\$129,920.00</b>
		<b>X2</b>
<b>Total Price</b>	:	<b>\$259,840.00</b>
<b>Total Weight</b>	:	<b>+/-3%</b>

**Quote Name:** HY-TEC Stock

**Quote Date:** 8/26/2025 (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](http://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