



**Pricing Administration Use Only**

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Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

**Customer**

**Test Contact**

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**Base Model Part Number**

ARJH 7500-1

**Specified Model Description**

ARJH 7500-1,249/219 BBL,219 HDS,0 PSI,375 F,42'6" OAL

**A. Vessel**

**1) Design**

: ARJH 7500-1, Aluminum, Round, Jacketed, Hot product trailer, 49 CFR 173.247  
 Code: Non-code / 49 CFR 173.247  
 Capacity: 7500 gallons (shell full)  
 Compartments: One  
 Shape: Straight, Round  
 Shell Material: Aluminum, .249" bottom, .219" top and sides. Two piece barrel with one circumferential weld.  
 Head Material: Aluminum, .219"  
 Operating Pressure: Atmospheric  
 Design Temperature: 375 Degrees F.  
 Overall Length: 42' 6"  
 Product: Asphalt

**B. Construction**

**1) Rings and Longerons**

Rings: Aluminum channel  
 Longerons: Aluminum channel

**2) Frame**

: Aluminum

**3) Dam**

: Aluminum construction  
 Dam Drains: 1-1/2" polyethylene hoses, each side  
 Overturn Protection: 2 Aluminum box type at spill dam.  
 Apron: .090 aluminum approximately 5" fore and aft of spill dam, from 3:00 to 9:00

**4) Cleanout overturns**

: None

**5) Manhole**

: Solimar 20" aluminum cover, single hold-down.#3906-P,with threaded wing nut style

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Gasket: Viton hot product gasket in cover

**6) Fill**

: None

Gasket: None

**7) Splash deflector**

: Aluminum, deflector installed under manhole at bottom of tank.

**8) Insulation**

: Fiberglass, 5" compressed to 4", with high temperature hold outs.

**9) Thermometer**

: 50-550 degree F., bulb type

**10) Jacketing**

: .032 aluminum

Jacket heads: .063 aluminum

**11) Underlayment**

: None

**12) Capacity indicator**

: None

**13) Static cable**

: No static cables installed.

**C. Other Barrel Information**

**1) Baffles**

: 2 .249 aluminum full circle, flanged

**2) Heat**

: None

Plumbing: None

Intransit: None

**3) Weld finish**

: W-0 inside

**D. Venting and cleanouts**

**1) Venting**

: \* Insulated, aluminum asphalt free breathing vent, mounted in spill dam. Vent with capacity to load and unload with a closed manhole cover.

Pressure package: None

**2) Cleanouts**

: None

Caps: None, No caps installed.

**E. Valving and Piping**

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**1) Seal provisions**

: None

**2) Sump**

: None

**3) Emergency Valve**

: 6" aluminum asphalt valve, welded in rear head ending in 4" thread. Outlet sloped downward.

**4) Pipe**

: None

Discharge location: Rear of trailer.

**5) Outlet valve**

: None

**6) Sample Valve / Blow down**

: 3/4" stainless steel ball valve on aluminum nozzle, attached to rear outlet elbow.

: \* 3/4" sample valve installed in the rear head.

**7) Suction Line**

: 3" aluminum suction line from rear sump to over front fender, curbside, with Betts 3" FB-743-ALA aluminum Integral Hydrolet T-style valve ending in 3" thread.

Adaptor: 3" aluminum male adaptor.

Cap: 3" aluminum dust cap.

**8) Adaptor**

: 4" aluminum male adaptor.

**9) Cap**

: 4" aluminum dust cap

**F. Walkway and Ladder**

**1) Walkway**

Top center: None

Curbside dam: \* 12" aluminum four sides of dam

**2) Ladder**

: Aluminum tubular with grip steps and large platform step, bolt on.

Ladder Location: Mounted curbside

**G. Cabinet**

**1) Cabinet**

: None. No Cabinet installed.

**H. Hose Carriers**

**1) Hose Carrier**

: \* Aluminum trough 4" high x 8" wide x 22' long

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Carrier Location: \* Mounted curbside rear

## I. Lights and Wiring

### 1) Lights

: 12-volt, Truck-Lite LED grommet mount lights. Combination center marker / turn signals.

### 2) Wiring

: Plug-in style harness system.

### 3) Rear Lights

: Enclosed in stainless steel light boxes

### 4) Nose box

: Standard 7 way, J560 receptacle with out circuit breakers.

## J. Pump System

### 1) Hydraulic Lines

: None

### 2) Meter

: None

### 3) Meter Installation

: None

## K. Chassis

### 1) Upper 5th Wheel

: 5/16" Heavy duty with A.A.R. style double hubbed kingpin.

Paint: Fifth wheel plate painted black.

### 2) Landing Gear

: Holland Atlas 55 2-speed

Frame: Aluminum construction, bolt-on, load bearing

Bracing: Stainless steel, with cross brace.

Crank location: Roadside

Tire carrier: None.

### 3) Suspension

: Hendrickson Intraax AANT23K, 23000 lb., tandem axle with standard 49" axle spacing. 5 3/4" diameter Hendrickson integrated axles.

Hangers: Galvanized hangers with soft coat applied to axle and trailing arm. (Bolt-on suspensions with aluminum subframe only)

Dump valve: \* AK-68 manual

Subframe: Extruded aluminum, with aluminum fender supports.

Bumper: D.O.T. code, aluminum, straight, split, weld-on.

Under-ride Protection: None (no under ride required, Wheels back exempt.)

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#### 4) Axles

Beam: Straight  
Track: 71-1/2" track  
Spindle: P spindles (parallel) same inner and outer bearing  
Wheel seals: Stemco Guardian  
Hub & drums: Walther EMC, hub-piloted, Dura-light hub with cast drum  
Miscellaneous: None

#### 5) Brakes

: S-cam, 16 1/2" x 7", Extended Service.  
Anti-lock / Roll stability: Meritor 4S/2M with "RSS-Plus", tandem axle roll stability support system for air-ride suspension.  
Brake chambers: TSE 3030  
Brake lining: Extended service, non-asbestos  
Slack adjusters: Haldex automatic  
Valves: Sealco  
Gladhands: Tramec  
Air system: To D.O.T. specifications, single aluminum tank system, 2800 Cu. In.

#### 6) Wheels

: \* Alcoa Ultra One with clean buff finish, 22.5 x 8.25 aluminum.

#### 7) Tires

: \* 255/70R x 22.5 Goodyear G316 steel belted radials

#### 8) Mud flaps

: \* White plastic with Heil logo, installed front and rear.

#### 9) Fenders

Front: Aluminum contour  
Rear: Aluminum contour

### L. Miscellaneous

#### 1) Decals

: Standard warning and safety package.  
Location: Installed Heil decal package.

#### 2) Conspicuity Tape

: \* Continuous 3M tape  
Location: Install Heil Continuous tape

#### 3) Customer Logo

: None

#### 4) Document holder

: Truck Lite #97960



**5) Calibration**

: Theoretical paper chart, in 1/4" increments based on innage.

**6) Placards**

: None

**7) Paint**

: None. No paint or primer installed on trailer.

**8) Warranty**

: \* Heil silver warranty.

**9) Tests**

: Standard testing.

**10) Drawings**

: None.