CUSTOMER
SALESPERSON
MODEL
PART NO./DRAWING

CUSTOMER FURNISHED TRACTOR DATA REQUIRED - WEIGHTS INCLUDE DRIVER AND FUEL

TRACTOR DATA

A. VESSEL

1) Capacity
1870 Cu. Ft. Pneumatic - 4 Hoppers

2) Tank Construction
Smooth exterior, internal rings.
External top shell stiffeners
5454-H32 aluminum vessel.
Hydro tested at 22.5 P.S.I.
45 degree hopper slope with weld on spun cones.

3) Baffles
None

4) End Frame
Huck riveted, 44in wide extruded aluminum front and rear frames with all aluminum cross members. Tubular aluminum struts (Includes both vertical and angled struts), front and rear.

5) Internal weld finish
W-1; Smoke and Discoloration Removed (Class I)

6) Shell finish
Mill finish bulk trailer sheet

7) Manholes
(4) 20" Heil heavy duty cast aluminum manholes located over each hopper, with aluminum cam handles and replaceable nylon wear plates under hold downs, two stainless steel cover retainers per manhole. White neoprene gaskets in manhole covers. Manholes hinge on streetside.

8) Documentation
Unit tested with water. Professional cleaning is recommended prior to initial loading to avoid possible contamination of cargo.
Maximum commodity temperature 180 degrees F.

9) Product Information
Specify product/commodity and density to be hauled (mandatory).

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B. TANK FITTINGS AND PIPING

1) Air Line Inlet
4" Sch. 10 aluminum line with welded 4" adapter streetside front of tank and cable tethered aluminum dust cap. One (1) Bayco check valve near P.T.O. inlet. One (1) Bayco check valve upstream of front hopper discharge.

2) Aeration
(3) BTI SpinFlo™ aerators controlled with (1) 2" ball valve per hopper, with hopper saver wear plates included. 4" Aluminum air manifold, 2" hoses supplying air to aeration system. Air manifold located on streetside of trailer ending with aluminum threaded cap with white neoprene gasket.

3) Aeration Control Valve
4" BTI MAXXLife™ aluminum body butterfly valve (ductile disc, black rubber seat), with powder coated steel handle. Located streetside to regulate airflow to air manifold line.

4) Proportioning/Pressure Control Valve
4" BTI MAXXLife™ aluminum body butterfly valve (ductile disc, black rubber seat), with powder coated steel handle. Located streetside to regulate airflow to product discharge line.

5) Blow-Down Line
3" Sch. 10 aluminum line with 3" BTI MAXXLife™ aluminum body butterfly valve (ductile disc, black rubber seat), with powder coated steel handle. Located streetside front of tank. Includes cam-on style 25 PSI pressure relief valve, Heil factory tested and wire sealed.

6) Top Air Line
3" Sch. 10 aluminum line with 3" BTI MAXXLife™ aluminum body butterfly valve (ductile disc, black rubber seat), with powder coated steel handle. Located streetside front of tank.

7) Product Valve
6" BTI MAXXLife™ aluminum body butterfly valve (ductile disc, black rubber seat), with BTI heavy duty HD cast aluminum handle.

8) Product Tee
BTI SiphonFlow™ 6" x 5" cast aluminum, non-gravity hopper tees

9) Product Line
5" Sch. 40 aluminum line between hoppers. Rubber hose with stainless steel screw band clamp connectors between hoppers.

10) Rear Discharge Line
Aluminum Sch. 40 (straight pipe), under axle rear discharge with aluminum (Part "A") male adapter and cable tethered aluminum dust cap at rear of discharge pipe.
HEIL TRAILER INTERNATIONAL
1125 CONGRESS PARKWAY
ATHENS, TN 37303

Specification Sheet

11) Load Line
   None

12) Gauges
   Two (2) liquid filled, one tank pressure, one line pressure. Gauge pressure range 0-30 PSI. Gauges in cabinet with light located streetside at rear for the front fender on streetside.

13) Miscellaneous
   BTI product valve handle extensions (one each hopper) included with product valves.

C. ACCESSORIES

1) Ladder
   Aluminum with serrated rungs and top step mounted at center rear with aggressive thread aluminum platform over chassis frame. Grab handles at chassis frame and top of vessel.

2) Walkway
   Adhesive backed skid-resistant tape between toe rails.

3) Hose Tubes
   (1) 8" x 21’ long aluminum hose tube located curbside rear of tank. Cast aluminum door at rear.

4) Tire Carrier
   None

5) Cabinet
   None

6) Hose Holder
   Adjustable height aluminum hose stand mounted at front for hose. Male adapter for stowing free end of hose, located curbside. Adapter size corresponds to air inlet adapter size.

7) Fenders
   (2) Aluminum single contour front fenders.
   (8) Aluminum single axle rear fenders.

8) Splash Guard
   Anti-sail and anti-spray for front.
   Anti-sail and anti-spray for rear.

9) Bumper
   Aluminum, full width at rear of trailer with convenience step.

10) Lights
    12 Volt Truck Lite flange mount LED lamp system complying to FMVSS with conspicuity markings each side and rear.
    (2) Combination mid-tank clearance and turn signals, one each side.
    (3) Super 44 rear lamps, 2-red stop-tail and 1-amber turn signal, in bolt-on aluminum box each side.
    (1) Oval third high mounted stop light, located rear center of trailer.

11) Wiring
    12-volt system, 7-wire, molded harness throughout. "Plug-together" modular style harness. 7-way SAE J560 connector.

12) Document Holder
    None
13) Miscellaneous

None

D. CHASSIS

1) Upper Fifth Wheel

Heavy Duty hi-tensile steel, bolted and adjustable with 2” forged kingpin.

2) Landing Gear

Jost model A-HEIL magnum 2-speed, sealed gear box with arctic grade grease, 70,000 lbs. rated lift capacity with 10” x 12” sand shoes and streetside crank. Located between first and second hopper. Gray powder coated legs, cross shaft and bracing.

3) Suspension

Heil’s R2R value package includes (3) Hendrickson HT250US air ride suspensions & brake systems, equipped with raised center Hendrickson axles, 77.5” track, parallel spindle, 25,000 lb. beam rating, 72” spacing, with single leveling valve.

Fourth suspension (from rear) to be 99” forward of front tridem axle with a Hendrickson HT250US equipped with a steerable axle and a twin beam lift kit.

Suspension towers and integrated axles painted DuPont Imron Gray.

Lift controls (ACK65) including a RDM 60 (reverse detection module), which automatically lifts steerable in reverse, and automatically lowers it when going forward – no in cab controls. Built in manual override and brake release allows wheels to free wheel in up position. Controls mounted on street side in aluminum cabinet. Manual air bag dump valve and load scale included. Electric switch wired to blue wire on center Berg pin. Reverse detection module wired so as to initiate a lift from the cab when traveling forward with 4-way flashers activated, and travel speed is less than 60km/hr. SPIF #3 compliant.

4) Brake System

WABCO 4S / 2M ABS (4 wheel sensors – 2 modulator valves). Constant power is standard on auxiliary (blue) center pin of SAE J560 7-way.

(3) Aluminum 2850 cu. in. air tanks with rubber saddles and stainless steel U-bolt mounts. System designed to meet FMVSS requirements.

5) Brake Chamber

OEM brake chambers

6) Brake Lining

Heil’s R2R value package includes 16.5” x 7” (quick change type) premium ABEX 931-162 5/8” thick extended service S-cam type brake shoes.

7) Slack Adjuster

OEM slack adjusters with grease fittings.
(3) Integral axles with air ride including dust shields.

Steerable Axle: Heil Pre-Dressed package, (1) SPIF #3 compliant steerable, 77.5 in. track, raised center axle with parallel spindles and reverse locking device including dust shields. Brake chambers, slacks, oil seals and hub cap to be OEM.

Heil's R2R value package includes preset bearing with premium OEM seals and "see-through" hubcaps.

DuPont Imron 5000 series gray paint on steel suspension parts only.

(6) Heil's R2R value package includes ConMet 10-stud, "Hub Pilot" (single nut mount) aluminum hubs for outboard drums, parallel spindle and dual aluminum wheel-compatible stud length. 33mm two-piece flanged wheel nuts. Includes 75W90 full synthetic hub lubrication.

(2) Heil's Pre-Dressed value package for steerable axle. To match above specification as close as practical.

(6) Heil’s R2R value package includes centrifuse - outboard mounted brake drums (16.5" x 7").

(14) See options
H. MISCELLANEOUS

1) Customer Supplied Parts

None

2) Warranty

Heil's Standard 4-Year warranty, 1-year bumper to bumper coverage with some areas (e.g., barrel and frame) extended on a pro-rated basis out as much as 4 years.

Heil's R2R value package includes Hendrickson's 5-Year wheel end warranty and factory supplied chambers, slacks, preset hubs, and drums.

Heil's value package includes DuPont prorated 3-year warranty on steel parts, prorated 4-year warranty on aluminum parts.

Heil's value package includes Jost 5-year maintenance free landing gear warranty.

3) Other Notes

This Heil pneumatic tank trailer is designed and constructed for the highway transportation of dry granule and pulverized bulk commodities. It is not designed for hauling any type liquid or semi liquid (slurry) which may damage the unit and potentially cause personal injuries.

4) Miscellaneous

Operational manual and informational CD is included and shipped with each trailer.