

HALE

TRAILER

BRAKE & WHEEL



A032879-A032884
VIN: S0317234-S031729

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A General

1	Trailer Type	Stainless Steel Food Grade
2	Code	Non-Code
3	Overall Length in Feet	Standard 80K Frame 40-44
4	Shape	Straight Round with Slope to Rear
5	Operating Pressure	25 PSI
6	Max. Product Density	9.0 lbs. / U.S. Gallon
7	Max. Loading Temp.	211° F max. Operating Temperature
8	Product(s)	Products Compatible with Design of Tank
9	Warranty	Standard Three (3) Year Limited Warranty
10	Fifth Wheel Height	49"
11	Additional Regulation	NY permit, 117,000 GVWR
12	Wheelbase	Engineering to Design to Optimize Payload
13	Road Design Application	Designed for on-road use only

B Barrel

1	Compartment(s)	One (1) Compartment
2	Capacity	8,700 U.S. Gallons
3	Baffles	None
4	Shell	12 Gauge Type 304 Stainless Steel, Top and Sides; 10 Gauge Type 304 Stainless Steel, Bottom
4a	Interior Shell Finish	#4 Finish Inside, 2B Outside
5	End Heads	10 Gauge Type 304 Stainless Steel
5a	Interior Head Finish	#4 Finish Inside, 2B Outside
7	Manway(s)	One (1) 20" Stainless, 6-Lug Manway Assembly with White Hypalon Gasket located near center of barrel.
8	Weld Finish	W-5 Conforms to TTMA RP-24
9	Cleanout(s)	None-Optional
11	Insulation	4" Polyiso, 6" Fiberglass on Heads
12	Jacketing	Side Sheets: 22 GA BA Finish Stainless Steel Jacket Heads: 18 GA BA Finish Stainless Steel
13	Underlayment	6' Fore and Aft of Spill Dam
14	Thermometer	One (1) 0-300 degree clip on type on curbside near center, at approximately eye level
15	CIP System	EcoLab Ceiling mounted CIP system with 2" threaded inlet located in the Manhole well, w/2" internal piping, to be a Four (4) ball system. *Note - Make 2" Threaded Inlet connection as high as possible in the Manhole well*
16	Heat	None-Optional

C Structure

1	Reinforcing Rings	Stainless Steel External Rings fully welded to Shell
2	Frame	Stainless Steel Frame at suspension, landing gear, and upper coupler plate area.
3	Barrel Supports	Stainless Steel Outriggers and Crossmembers at Load Bearing Areas
4	Spilldam	Stainless Steel around Manway(s) with Illuminated Work Area
5	Spilldam Drain(s)	2" Polyethylene drain under Jacketing ending at Bottom with Drain

D1 Primary Axles		
1	Model	(4) Quad-Axle
2	No. Of Primary Axles	3
3	Suspension	Hendrickson Intraxx AAT25K, 25,000 lb. with "K" Bracing and Stainless Steel Hangers
4	Axle Spacing	49"
5	Axles	77 1/2" Track, 5.75" diameter; HP Spindles with Same Inner and Outer Bearings.
6	Ride Bags	Zero-Maintenance Dampening (ZMD) Ride Bags and Stop Chains without Typical Shocks
7	Wheel End Package	Hendrickson Ready-To-Roll (RTR) HXL5 MAXX22T Disc Brake Package. Includes Dura-Light Hub.
8	Brakes/Brake Chambers:	OEM Type 20/24 Brake Chambers
9	Hub:	Dura-Light 10 Stud hub Piloted, 11 1/4" BC
10	Drum:	N/A For Disc Brakes
11	Rotor:	Inboard Mounted Rotor
12	Slack Adjusters:	N/A - Integral with Disc Brake Option
13	Dust Shields:	Sealed Dust Shield (Standard Disc Brakes)
14	Warranty:	Hendrickson Extended Life System "HXL5" with Federal Mogul Hub Seals
15	Tires	11R22.5
16	Inboard Wheels	22.5 x 8.25: Accuride Accu-Lite XP
17	Outboard Wheels	22.5 x 8.25: Accuride Accu-Lite XP
18	Tire Inflation System	Hendrickson Quad Axle Tiremaax CP Tire Inflation System and Pressure Gauge
D2 Lift Axles		
1	No. Of Lift Axles	None-Optional
2	Lift Axle Suspension	None-Optional
3	Lift Axle Spacing	None-Optional
4	Lift Axles	None-Optional
5	Lift Axle Ride Bags	None-Optional
6	Lift Axle Wheel End Package	None-Optional
7	Lift Axle Brakes/Brake Chambers:	None-Optional
8	Lift Axle Hub:	None-Optional
9	Lift Axle Drum:	None-Optional
10	Lift Axle Rotor:	None-Optional
11	Lift Axle Slack Adjusters:	None-Optional
12	Lift Axle Dust Shields:	None-Optional
13	Lift Axle Warranty:	None-Optional
14	Lift Axle Tires	None-Optional
15	Lift Axle Inboard Wheels	None-Optional
16	Lift Axle Outboard Wheels	None-Optional
17	Lift Axle Tire Inflation System	None-Optional
18	Lift Axle Controls	None-Optional
D3 Steerable Axles		
1	No. Of Steer Axles	1
2	Steer Axle Suspension	Hendrickson Composilite EX/SC 20K, 20,000 lb. on Front Axle
3	Steer Axle Spacing	49"
4	Steer Axles	77.5" Track with FF Spindles
5	Steer Axle Ride Bags	OEM Ride Bags
6	Steer Axle Wheel End Package	Hendrickson Standard Bendix ADB22x Disc Brake Package. Includes Ductile Iron Hub and 75w/90 Synthetic Oil
7	Steer Axle Brakes/Brake Chambers:	OEM Type 14 Brake Chamber
8	Steer Axle Hub:	Ductile Iron 10 Stud Hub Piloted, 11.25" BC
9	Steer Axle Drum:	N/A for Disc Brakes
10	Steer Axle Rotor:	Inboard Mounted Rotor
11	Steer Axle Slack Adjusters:	N/A - Integral with Disc Brake Option
12	Steer Axle Dust Shields:	Install Dust Shields
13	Steer Axle Warranty:	Hendrickson Standard Warranty
14	Steer Axle Tires	385/65R22.5
15	Steer Axle Inboard Wheels	None-Optional
16	Steer Axle Outboard Wheels	22.5 x 8.25: Accuride Accu-Lite XP
17	Steer Axle Tire Inflation System	Hendrickson CP Tire Inflation System Installed
18	Steer Axle Controls	Electric Operated UBL Lift Kit with Control in Cabinet
Note - Automatically Lifts in Reverse, Manual Control in Cabinet, no in cab control		

E	Running Gear	
1	Ride Height Control	Standard Hendrickson Height Control Valve
2	Dump Valve	Automatic Dump Valve
3	ABS	Wabco 4S/2M System Wired to Blue Wire with Rear Malfunction Warning Light
4	Roll Stability System	ABS with Roll Stability System
5	Diagnostic Cable	None-Optional
6	Air System	Aluminum Air Tanks
7	Gladhands	Phillips or Equivalent
8	Tank Drain/Dryer	Petcock Valve at bottom of each Tank
9	Suspension Frame	Stainless Steel Subframe with SST Weld-on Hangers
10	Bumper	One (1) Stainless Steel rectangular tube, per PHMSA specifications
12	DOT NHTSA Underride Bumper	None when DOT 12" Wheels Back Exemption Applies
14	Hubodometer	None-Optional
15	Load Guage	None-Optional
22	Tow Hook	Installed at Rear
F	Fenders	
1	Fenders-Front	Two (2) Aluminum Contour
2	Fenders-Rear	Two (2) Aluminum Contour and Single Axle Fender over Lift Steer
3	Mudflaps	MAC LTT Mudflaps on Rear of Front & Rear Fenders
4	Spray Guard	None-Optional
G	Landing Gear	
1	Landing Gear	Jost HX150 Magnum Series Landing Gear with Holland Heavy Duty Sand Shoes and Solid Axle
1a	Bracing	Landing Leg Braces Fore and Aft
2	Crank Location	Roadside
3	Landing Gear Frame	Stainless Steel
H	Upper Fifth Wheel	
1	King Pin Plate	3/8" External Upper Plate with Hubbed Kingpin.
2	Pick-Up-Plate	Stainless Steel Pick-Up-Plate Installed if necessary
3	Fifth Wheel Frame	Stainless Steel
I	Ladder/Platform/Walkway	
1	Ladder(s)	One (1) Aluminum Ladder on Curbside and One (1) Aluminum Ladder on Roadside
2	Safety Hand Rails	Hand Rails outside of Main Ladder Rails
3	Top Walkway	24" x 30" Aluminum Forward and Rearward of Spill Dam
4	Fall Protection	None-Optional
J	Cabinet(s) & Components	
1	Tool Cabinet(s)	None-Optional
5	Custom Rear Cabinet	One (1) SST, 2-door Cabinet at Rear of Trailer to house Pump, Outlet, Control Valve, and Hose Tubes
K	Hose Carrier(s)	
1	Hose Carrier(s)	Two (2) 8" x 21' L Aluminum Hose Tubes at Curbside Rear with Doors at rear, One (1) Curbside and One (1) Roadside at rear
L	Venting System	
1	Relief Vent(s)	One (1) Girard GE00500 MC307BTWV Pressure/Vacuum Vent, mounted in spilldam
N	Valving/Piping/Hose	
1	Outlet(s)	One (1) 4" SCH 40 304 stainless pipe, terminating with 3" TTMA flange out the bottom of head to rear
5	Discharge Valve(s)	4" BTI BFV's with Aluminum Body, SS Disc, Food Grade. One (1) Four Rear Pipe in the Cabinet. One (1) Four Gravity Outlet. One (1) Four Branch Pump to Inlet.
6	Discharge Controls	None - Operator Integral with Valve
8	Piping	4" Stainless Steel Threaded Pipe Facing Rear ending with TTMA Flange
13	Adapter(s)/Cap(s)	Two (2) 4" Male Camlock Adapters and Dust Caps
15	Security Seal Provisions	Seal provisions on all openings that are intended to be opened and closed frequently.
17	Flanged Gaskets	White EPDM or Other Food Grade Equivalent
O	Pump	
1	Pump	4" Unibloc-PD 576 Hydraulic Food Grade Pump with Charlynn Hydraulic Motor
2	Pump Piping	4" with "T" for Gravity or Pump-off, 90 Degree Elbow, Camlock and Cap on pump outlet port, flexible white sanitary hose between pump and "T"
3	Hydraulic Lines	1" Stainless Steel Hydraulic lines on curbside, from front curbside to rear cabinet
4	Flow Control	Directional Hydraulic Control Valve and Flow Control Valve inside Rear Cabinet on Curbside
5	Platform	None-Optional

P	Capacity Controls	
1	Overfill System	None-Optional
2	Power Delivery	None-Optional
3	Top Sensor Settings	None-Optional
4	Overfill Operation	None-Optional
Q	Wiring	
1	Nose Box	Nose Box with J560 7-Way Plug Located Low Roadside at Front
2	Light System	LED Lighting System with Front Markers, Combination Side Center Turn/Marker Lights, and Three (3) Upper Clearance
3	Lamp Mounting	Grommet Mounted
4	Light Boxes	Two (2) Stainless Steel Spring Loaded Light Boxes on the Rear of the Trailer with Two (2) Red Stop/Marker Lamps and One (1) Amber Turn with Rear Side Marker Lights.
5	Wide-Turn Light(s)	None-Optional
6	Work Light(s)	Two (2) Grote LED work lamps mounted at Top Rear, with switch at Rear
7	Cabinet Light(s)	Install One (1) LED Strip Light in each Cabinet
8	Backup Lights	Two (2) LED Backup Lights on inside of Lightboxes directed down and out
9	Backup Alarm	None-Optional
10	Extra Light(s)	None-Optional
11	Closeout Light Panels	None-Optional
R	T.A.L.K- Total Area Lighting Kit	
4	T.A.L.K- LIGHTED REAR HEAD	Yes, Add Toggle Switch Control in EVO Cabinet with label. Do not wire with marker lights.
5	T.A.L.K- LIGHTED LADDER	Yes
S	Paint/Decals	
1	Corrosion Resistance	Electrolysis barrier between all dissimilar metals.
2	Conspicuity	DOT 3M Tape per N.H.T.S.A. Requirements.
3	Decals	Standard Safety/Warning and Safety Decals
4	Customer Decals	None-Optional
6	MAC Logo	Standard MAC LTT Logos
T	Other/Options	
1	Document Holder	Betts PS-1 Document Holder installed on Roadside, near landing gear frame.
3	Placards	None-Optional
12	Calibration	Theoretical Calibration Chart - 1/4" Increments
13	Sampling Port	None-Optional
17	Standard Inspections	Initial Annual DOT Inspection
18	Additional Inspections	None-Optional
20	Backup Camera	None-Optional
21	Approvals	3D Model and Design Review available upon Customer Request
Additional Notes / Requested Options / Supporting Pictures		

DISCLAIMER

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical.
Equipment availability, prices and specifications are subject to change without notice.