



1400 Fairchild Ave; Kent, OH 44240



SPECIFICATIONS

MAC LTT Model ASE-9200-5D-406 - Show

Company Name:	Werts Welding & Tank Service, Inc	Date:
Address:		Date Revised:
City, State & Zip:		Quote Number:
Contact:	(800) 851-4452	Year Model:
Phone Number:		Serial Number(s):
Fax Number:		Sales Contact:
Cell Number:		Reference unit:
Email:		End User:
		Area of Operation:

A General

1 Trailer Type	Aluminum
2 Code	DOT-406
3 Overall Length in Feet	43
4 Shape	Straight Bottom Elliptical with Slope to Rear
5 Operating Pressure	3.3 PSI with 5 PSI Test Pressure
6 Max. Product Density	9.1 lbs./ U.S. Gallon
7 Max. Loading Temp.	150° F max. Operating Temperature
8 Product(s)	Refined Fuels, Gasoline, Diesel, and Etc.
9 Warranty	Standard Three (3) Year Limited Warranty
10 Fifth Wheel Height	Standard 49"
11 Additional Regulation	None-Optional
12 Wheelbase	Engineering to Design to Optimize Payload



B Barrel

1 Compartment(s)	Five (5) 3000/1500/1100/1000//2600 with double bulkhead between compartments #4 & #5
2 Capacity	9,200 Gallons +3% Overage in Each Compartment with 60 Gallon Minimum Overage.
3 Baffles	0.25" Load Bearing & 0.19" Non-Load Bearing 5454 OT Aluminum with large center hole, 3" holes at 9, 12, & 3 o'clock positions and Bottom Drain Tunnel
4 Shell	Two Section Aluminum 5454-H32 Barrel 0.205" Bottom with BTS Finish 0.179" Top with BTS Finish 0.179" Sides with Mechanical Buffed Finish
5 End Heads	0.249" Nominal 5454 0 Temper AL Flanged & Dished Heads
5b Head Finish	Polished Finish (Standard)
6 Bulkheads	Double Bulkheads 0.19" Nominal 5454 Aluminum Flanged & Dished Heads-Mill Finish
7 Weld Finish	W-0 Inside and Outside - Free of Weld Spatter and Weld Smoke
8 Manway(s)	One (1) 16" Diameter with 10" offset fill manhole per compartment.

C Structure

1 Reinforcing Rings	None - Smooth Exterior with Internal Baffles
2 Frame	Extruded Aluminum Full Length Frame Design
3 Barrel Supports	Aluminum Outriggers and Crossmembers at Load Bearing Areas
4 Overturn Protection	DOT-406 Aluminum "V" Extrusion on Top Both Curbside and Roadside. Curbside Rail Doubles for Vapor. Dam Plates at Each End with 1/2" Coupler and Plug
5 Overturn Drain(s)	3" Walkway drain through tank at Rear

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D Running Gear	
1 Suspension	Hendrickson Intraxx AANT23K, 23,000 lb with 49" axle spacing.
2 Axles	77 1/2" Track with 5.75" diameter; HP Spindles with Same Inner and Outer Bearings.
3 Number of Axles	Two (2)
4 Lift Axle(s)	None-Optional
5 Hub(s)	Duralite, 10-Stud, 11 1/4" B.H.C Hub Piloted with Single Flange Nut.
6 Drum(s)	Centrifuse 16 1/2" x 7", 10-Stud Outboard Mount Drums
7 Dump Valve	Push/Pull Valve with Auto Reset mounted in Control Cabinet
8 Brakes/Brake Chambers	23,000# Rating with S-Cam 16 1/2" x 7", 2.5" stroke, 3030 Chambers, and Non-Asbestos Linings.
9 Dust Shields	None-Optional
10 Slack Adjusters	Automatic
11 Warranty	Hendrickson Extended Life System " HXL7 " with Federal Mogul Hub Seals
12 Glandhands	Phillips or Equivalent
13 ABS	Wabco 4S/2M System Wired to Blue Wire with Rear Malfunction Warning Light
14 Roll Stability System	ABS with Roll Stability System
15 Air System	Aluminum Air Tanks
16 Tank Drain/Dryer	Pepcock Valve at bottom of each Tank
17 Suspension Frame	Aluminum
18 Bumper	Aluminum Extruded
19 Bumper Overlay	Full width Aluminum Buffed Cosmetic Bumper Overlay.
20 Underride Protection	None when DOT 12" Wheels Back Exemption Applies
21 Rear Closeout	Custom Illuminated Cut-out Closeout- Customer to supply Vector Image of Logo/Lettering
E Tires/Wheels	
1 Wheels	Hub Piloted 10 Hole Aluminum Disc, Ultra ONE Finish
2 Tires	BF Goodrich 11R 22.5 ST230 16 PLY Radial Tires
3 Number of Tires	Eight (8)
4 Tire Inflation System	None-Optional
F Fenders	
1 Fenders-Front	Roadside Aluminum Contour Fender. Hose Tray on Curbside Doubles as Fender
2 Fenders-Rear	Roadside Aluminum Contour Fender. Hose Tray on Curbside Doubles as Fender
3 Mudflaps	MAC LTT Mudflaps on Rear of Fenders and Front Curbside of Rear Tires
G Landing Gear	
1 Landing Gear	Jost AX150 Alumilight Landing Gear
2 Crank Location	Roadside
H Upper Fifth Wheel	
1 King Pin Plate	5/16" Upper Plate with Hubbed Kingpin.
2 Pick-Up-Plate	Aluminum Pick-Up-Plate Installed if necessary
I Ladder/Platform/Walkway	
1 Ladder(s)	Front Bolt-On Aluminum at Center of Head. Rails to have Rolled Radius at Top of Ladder and Top Deckplate Step
2 Safety Hand Rails	None-Optional
3 Top Walkway	Non-Skid Tape Between Top Vapor Rails

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J Cabinet(s) & Components

- 1 **Cabinet(s)** One (1) Aluminum Cabinet, 48" Wide x 30" High x 27" Deep with Two Aluminum Side Hinged Doors. Mounted curbside forward of suspension.
***Install MAC preferred Shelving and Partitions for Petroleum Units**
One (1) 30" High Single Door Box with Overfill System and Emergency Valve Controls mounted at Front flush with top of Curbside Equipment Cabinet.

K Hose Carrier(s)

- 1 **Hose Carrier(s)** One (1) 3.5" x 22"W x Full Length Aluminum Extruded Tray functions as Curbside fenders. Includes drain at rear and tarp straps to retain hoses.
3 **Gauge Stick** 16 Foot Gauge Stick and Holder on Curbside at Rear with Tension Pin at Front

L Venting & Vapor Recovery System

- 1 **Relief Vent(s)** One (1) 10" Pressure/Vacuum Relief Valve with Set Pressure at 3.63 PSI Installed in Each Manhole Cover.
One (1) BETTS #3686-AL Vent in the Vapor Line Under the Belly of the Tank.
3 **Discharge Vent** Inward opening Sequential Vent with Viton seals in each manhole cover.
4 **Recovery Piping** Vents connected to nipples in curbside flashing rail with 3½" I.D. hose
Internal Vapor Pipe Through Tank with connections at the following locations:
(1) 4" outlet Curbside 15" to rear of last discharge valves
(1) 4" outlet Curbside 15" forward of discharge valves
(1) 4" outlet to extreme rear facing Curbside **sloped down 15 Degrees**
***Three vapor adaptors**
5 **Adapter & Cap** Each vapor outlet equipped with 4" flanged vapor adapter with poppet and 4" orange vapor cap.
6 **Vapor Drain** None-Optional

N Valving/Piping/Hose

- 1 **Outlet(s)** One (1) 4" Aluminum Drain Pocket at Bottom each compartment
2 **Splash Deflector** Bolt-on Splash Deflector above each Emergency Valve
3 **Extra Drain Troughs** **At Bottom of Each Compartment to Accelerate the draining process**
4 **Equipment Warranty** **Betts/Dixon SuperTanker (5-year Warranty Package)**
5 **Discharge Valve(s)** Elbow or Straight Emergency Valves with Flanged Outlet, AL Body and Teflon seat.
6 **Dicharge Controls** Installed in EVO Cabinet
7 **Emergency Valve Closure** Emergency Closure located at Front Head Roadside.
8 **Piping** 4" Schedule 10 aluminum discharge piping with formed long radius sweeps from Emergency Valves to Curbside of tank, per API standards.
9 **Manifold** None-Optional
10 **Front Pump-off Line** None-Optional
11 **Outlet Valve(s)** API Valves **without** Sight Bubble, Aluminum Handle and Viton seals.
12 **Sight Glass** **Jikoh JDG-105 "Ethanol Resistant" Sight Glass. (1) in each line behind API Adapter.**
13 **Adapter(s)/Cap(s)** 4" Aluminum Male Gravity Drop Adapter with 4" Aluminum Dust Cap
14 **Secondary Discharge(s)** None-Optional
15 **Security Seal Provisions** None-Optional
16 **Product Indicators** 8-sided commodity tags on bracket over each API valve with Compartment Capacity.
17 **Flanged Gaskets** **Viton or Equivalent Gaskets used on all Flanged Connections**
18 **Grooved Gaskets** Baylast or Equivalent Gaskets used on all Grooved Connections
21 **Brake Interlock Valve(s)** One (1) MAC LTT Aluminum Pipe Style Interlock Bar Installed Over Bottom Loading Adapters and Extended to Vapor Outlet(s) at Discharge with (1) Brake Interlock Valve.
One (1) Brake Interlock Valve Mounted on Each Vapor Outlet not within API Bar.

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P Capacity Controls

1	Overfill System	Overfill System with a Top Probe in each manhole
2	Sockets	Dual Assembly includes both Optic and Thermistor sockets with vinyl caps.
3	Top Sensor Settings	Top sensors set to provide a 60 gallon minimum vapor space in each compartment.
4	Bottom Retain	None-Optional
5	Overfill Operation	Pressure switch to allow permit on overfill monitor when all vapor vents are open
6	Identification Module	Installed in Dual Socket Assembly
7	Static Studs	Two (2) Brass Studs installed at Landing Gear on Curbside
8	Ground Bolt/Ball	<i>Scully Ground Bolt Installed in Tank Frame nearest Sockets</i>

Q Wiring

1	Nose Box	Nose Box with J560 7-Way Plug and Circuit Breakers Located Low Roadside at Front
2	Light System	LED Lighting System with Combination Side Center Turn/Marker Lights Three (3) Upper Clearance/Stop - Flush Mounted on Top Rear Dam End.
3	Lamp Mounting	Grommet Mounted
4	Light Boxes	Two (2) Three Hole Aluminum Light Boxes on the Rear of the Trailer with Two (2) Red Stop/Marker Lamps and One (1) Amber Marker/Turn with Rear Side Marker Lights.
5	Wide-Turn Light(s)	None-Optional
6	Work Light(s)	Two (2) Grote LED work lamp, Mounted at Discharge Area with switch in Cabinet. MAC Extreme LED Lighting Assembly to illuminate Discharge Valves
7	Cabinet Light(s)	Install One (1) Grote LED Cabinet Light with Switch in Each Cabinet.
8	Backup Lights	None-Optional
9	Backup Alarm	None-Optional
10	Extra Light(s)	One (1) Extra Oval Red Stop Light Low at Rear Center

Q T.A.L.K- Total Area Lighting Kit

1	T.A.L.K- SAFETY ARMS	YES
2	T.A.L.K- INTERLOCK BAR	YES
3	T.A.L.K- LIGHTED HOSE GUARD	NO
4	T.A.L.K- LIGHTED REAR HEAD	YES
5	T.A.L.K- LIGHTED LADDER	YES

R Paint/Decals

1	Coatings	Any Steel Parts Not Painted will be Hot Dipped Galvanized (Hangers, Upper Coupler...) Axle and Trailing Arm Factory Painted with Soft Coat Grey.
2	Corrosion Resistance	Electrolysis barrier between all dissimilar metals.
3	Conspicuity	DOT 3M Tape per N.H.T.S.A. Requirements.
4	Decals	Standard Safety/DOT-406 Warning and Safety Decals
5	Customer Decals	None-Optional
6	Emergency Drain Decals	Four (4) 3" diameter round DOT decals, (1) curbside and (1) roadside on horizontal centerline on each end head.
7	MAC Logo	Standard MAC Logo Placards on Vapor Rails and Rear Bumper
8	Pin Striping	<i>Reflective White 1100</i>

S Other/Options

1	Document Holder	Document Holder installed on Roadside, near landing gear frame.
2	Static Cable	1/8" Stainless Steel Static Cables, Double Looped, One (1) Each Compartment.
3	Placards	Four (4) Aluminum Slide-in Placard Holders with bolt-on brackets, (1) on Roadside, (1) at Rear, (1) at Front, and (1) Curbside <i>forward of Discharge under Hose Tray</i>
4	Safety Cone/Bucket Holder	Installed Forward of Discharge Area
5	Fire Extinguisher	<i>Jonesco JBXE83 Cabinet with 20 lb Fire Extinguisher mounted at Roadside</i>
17	Standard Inspections	Initial Annual DOT Inspection, EPA Method 27, External Visual, Internal Visual, Pressure, and Leakage Tests.
18	Additional Inspections	None-Optional

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