



1400 Fairchild Ave; Kent, OH 44240



## SPECIFICATIONS

### MAC LTT Model ASE-9200-5D-406 - Stock

**Company Name:**  
**Address:**  
**City, State & Zip:**  
**Contact:**  
**Phone Number:**  
**Fax Number:**  
**Cell Number:**  
**Email:**

**Werts Welding & Tank Service, Inc**

(800) 851-4452

**Date:**  
**Date Revised:**  
**Quote Number:**  
**Year Model:**  
**Serial Number(s):**  
**Sales Contact:**  
**Reference unit:**  
**End User:**  
**Area of Operation:**

#### A General

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



#### B Barrel

1 <b>Compartment(s)</b>	Five (5) 3000/1500/1100/1000//2600 with double bulkhead between compartments #4 & #5
2 <b>Capacity</b>	9,200 Gallons +3% Overage in Each Compartment with 60 Gallon Minimum Overage.
3 <b>Baffles</b>	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 <b>Shell</b>	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 <b>End Heads</b>	0.249" Nominal 5454 0 Temper AL Flanged & Dished Heads
5b <b>Head Finish</b>	Polished Finish (Standard)
6 <b>Bulkheads</b>	Double Bulkheads 0.19" Nominal 5454 Aluminum Flanged & Dished Heads-Mill Finish
7 <b>Weld Finish</b>	W-0 Inside and Outside - Free of Weld Spatter and Weld Smoke
8 <b>Manway(s)</b>	One (1) 16" Diameter with 10" offset fill manhole per compartment.

#### C Structure

1 <b>Reinforcing Rings</b>	None - Smooth Exterior with Internal Baffles
2 <b>Frame</b>	Extruded Aluminum Full Length Frame Design
3 <b>Barrel Supports</b>	Aluminum Outriggers and Crossmembers at Load Bearing Areas
4 <b>Overturn Protection</b>	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 <b>Overturn Drain(s)</b>	3" Walkway drain through tank at Rear

Customer Approval: \_\_\_\_\_

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

### D Running Gear

1	<b>Suspension</b>	Hendrickson Intraxx AANT23K, 23,000 lb with 49" axle spacing.
2	<b>Axles</b>	<b>77 1/2" Track</b> with 5.75" diameter; HP Spindles with Same Inner and Outer Bearings.
3	<b>Number of Axles</b>	Two (2)
4	<b>Lift Axle(s)</b>	None-Optional
5	<b>Hub(s)</b>	Duralite, 10-Stud, 11 1/4" B.H.C Hub Piloted with Single Flange Nut.
6	<b>Drum(s)</b>	Centrifuse 16 1/2" x 7", 10-Stud Outboard Mount Drums
7	<b>Dump Valve</b>	Push/Pull Valve with Auto Reset mounted in Control Cabinet
8	<b>Brakes/Brake Chambers</b>	23,000# Rating with S-Cam 16 1/2" x 7", 2.5" stroke, 3030 Chambers, and Non-Asbestos Linings.
9	<b>Dust Shields</b>	None-Optional
10	<b>Slack Adjusters</b>	Automatic
11	<b>Warranty</b>	Hendrickson Extended Life System <b>"HXL7"</b> with Federal Mogul Hub Seals
12	<b>Glandhands</b>	Phillips or Equivalent
13	<b>ABS</b>	Wabco 4S/2M System Wired to Blue Wire with Rear Malfunction Warning Light
14	<b>Roll Stability System</b>	<b>ABS with Roll Stability System</b>
15	<b>Air System</b>	Aluminum Air Tanks
16	<b>Tank Drain/Dryer</b>	Pepcock Valve at bottom of each Tank
17	<b>Suspension Frame</b>	Aluminum
18	<b>Bumper</b>	Aluminum Extruded
19	<b>Bumper Overlay</b>	Full width Aluminum Buffed Cosmetic Bumper Overlay.
20	<b>Underride Protection</b>	None when DOT 12" Wheels Back Exemption Applies
21	<b>Rear Closeout</b>	Rear Tank Frame Closeout Panel

### E Tires/Wheels

1	<b>Wheels</b>	Hub Piloted 10 Hole Aluminum Disc, Ultra ONE Finish
2	<b>Tires</b>	BF Goodrich 11R 22.5 ST230 16 PLY Radial Tires
3	<b>Number of Tires</b>	Eight (8)
4	<b>Tire Inflation System</b>	None-Optional

### F Fenders

1	<b>Fenders-Front</b>	Roadside Aluminum Contour Fender. Hose Tray on Curbside Doubles as Fender
2	<b>Fenders-Rear</b>	Roadside Aluminum Contour Fender. Hose Tray on Curbside Doubles as Fender
3	<b>Mudflaps</b>	MAC LTT Mudflaps on Rear of Fenders and Front Curbside of Rear Tires

### G Landing Gear

1	<b>Landing Gear</b>	Jost AX150 Alumilight Landing Gear
2	<b>Crank Location</b>	Roadside

### H Upper Fifth Wheel

1	<b>King Pin Plate</b>	5/16" Upper Plate with Hubbed Kingpin.
2	<b>Pick-Up-Plate</b>	Aluminum Pick-Up-Plate Installed if necessary

### I Ladder/Platform/Walkway

1	<b>Ladder(s)</b>	<b>Front</b> Bolt-On Aluminum at Center of Head. Rails to have Rolled Radius at Top of Ladder and Top Deckplate Step
2	<b>Safety Hand Rails</b>	None-Optional
3	<b>Top Walkway</b>	Non-Skid Tape Between Top Vapor Rails

Customer Approval: \_\_\_\_\_

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

### 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 **Discharge 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.

Customer Approval: \_\_\_\_\_

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

### P Capacity Controls

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

### Q Wiring

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

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

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

### R Paint/Decals

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

### S Other/Options

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

Customer Approval: \_\_\_\_\_