



10,600 W.G. Capacity NH3 Transport Trailer Specifications

QTY	DESCRIPTION	PRICE
1	<p>10,600 W.G. Capacity NH3 Transport Trailer as follows:</p> <p>1. Tank Specifications:</p> <ul style="list-style-type: none"> A. Tank manufactured by MTC in full accordance with latest editions of ASME Code, NFPA Pamphlet 58 and D.O.T. Specification MC-331. B. MAWP: 265 PSIG @ -20°F/125° F.; Diameter: 83 1/2" I.D; Material: SA517 steel. C. 100% X-ray of all pressure welds as required by ASME Code. D. Stress relieved per ASME Code and D.O.T. Specifications. E. Wet magnetic particle inspection per D.O.T. specifications. F. Non-corrosive service. <p>2. Openings:</p> <ul style="list-style-type: none"> A. (1) 16" manway in top 45° of rear head. B. (2) 3" NPT openings for relief valves located on top centerline of trailer near vertical centerline with rollover protection. C. (1) 8" recessed well with 2 1/2" flange for 4" visible float gauge located on curbside horizontal and vertical centerline of trailer. D. (1) 8" recessed well, located near float gauge recess, with gauge openings as follows: <ul style="list-style-type: none"> 1. (1) 1/2" NPT x 7" thermowell 2. (1) 1/4" NPT coupling with #54 drill for pressure gauge. 3. (4) 1/4" NPT couplings with #54 drill for fixed liquid level gauge with settings as follows: 83%, 85%, 86.5% and 90%. E. (1) 4" 300# flanged liquid opening for pump located on bottom centerline of tank behind landing gear. F. (1) 3" 300# flanged vapor/sprayfill opening located on bottom centerline of tank behind landing gear. G. (1) 3" 300# flanged liquid opening located on bottom centerline of tank behind landing gear. <p>3. Piping/Valves/Fittings:</p> <ul style="list-style-type: none"> A. Opening 2.A: (1) 16" SA517 steel manway with steel cover, studs, nuts, gasket and grab handle. B. Opening 2.B: (2) 3" Fisher H732-265 internal safety relief valves. C. Opening 2.C: 2 1/2" Rodchester rough-rider float gauge with 4" dial. D. Opening 2.D: <ul style="list-style-type: none"> 1) Thermometer, 1/2" NPT x 6" stem. (-40°/160° F range.) 2) Liquid filled pressure gauge, 1/4" NPT x 2 1/2" dial. (0° to 300° psig range) 3) (4) stainless steel outage gauges, 1/4" NPT E. Opening 2.E: 4" flanged opening piped with 4" Fisher C404-M32-600 internal valve and 4" Blackmer TLGLF-4 pump, (2) 2" ball valves and terminating both streetside and curbside with 3 1/4" Acme adapters. Means of providing power for product pump to be furnished and installed by customer. (SEE 8.B FOR PUMP DRIVE SYSTEM AND FOR ORIENTATION AND ROTATION OF PUMP.) F. Opening 2.F: 3" flanged vapor/sprayfill opening piped with 3" Fisher C427-24-50 internal valve screwed into 3" companion flange, (2) 2" ball valves and terminating both streetside and curbside with 3 1/4" x 1 3/4" Acme adapter. 	



- G. Opening 2.G: 3" flanged liquid withdrawal opening piped with 3" Fisher C427-24-50 internal valve screwed into 3" companion flange, (2) 2" ball valves and terminating both streetside and curbside with 3 1/4" Acme adapters.
 - H. Unless otherwise noted, all ball valves to be Jomar steel full ported type.
 - I. All Acme adapters to be furnished with cap and stainless steel cable.
 - J. Above piping to be located just to rear of landing gear and protected by channel frame.
 - K. Fisher internal valves at "E" to be operated using a manual control handle and Fisher internal valves at "F" and "G" to be operated using stainless steel Allegheny operator with stainless steel cables to internal valves. Air controlled emergency shutdown system for internal valves to be furnished with remote shutoffs located at front streetside and rear curbside of trailer.
 - L. Blowdown System: provide 1/2" blowdown valve furnished for each manual valve (except auxiliary intake if provided), piped to top of trailer with stainless steel tubing.
 - M. Furnish safety gate at each side of plumbing, designed to lock trailer brakes while trailer is being loaded. Safety gate valves must be metal construction only.
4. **Running Gear:**
- A. (2) Hendrickson AAT 23K Intraax air ride suspension
 - 1). 49" axle spacing.
 - 2). Set up for 17" Ride Height
 - 3). Hendrickson AKH-238-3 single air control.
 - 4). Hendrickson AK-147 dump valve.
 - B. Axles:
 - 1). Quantity: (2)
 - 2). Type: Hendrickson Intraax.
 - 3). Track: 71 1/2" (96" overall width of tires.)
 - 4). Rating: 22,500#.
 - 5). Spindle/Bearing: HP style spindle with large inner and outer bearing.
 - 6). Hubs: Aluminum, hub-piloted type with tone rings on all hubs.
 - 7). Hub Seals: Stemco Guardian one-piece seals.
 - 8). Hub Caps: Standard bolt on.
 - 9). Lubrication: 90 weight lubrication.
 - 10) Slack Adjusters: Gunnite auto-slack adjusters.
 - 11). Brakes: 16 1/2" x 7" brakes, standard duty.
 - 12). Drums: Outboard, centrifuse type steel drums.
 - C. Anti-Lock Brake System (ABS): Haldex combination 2S/1M ABS.
 - D. Wheels: (8) 8.25 x 22.5 10-hole hub-piloted aluminum wheels, mill finish.
 - E. Tires: (8) 11R22.5 tubeless radial tires. Tire brand may vary.
5. **Electrical System / Lights:**
- A. System: Twelve volt electrical system, lights, and reflectors, all furnished in full accordance with D.O.T. regulations.
 - B. Electrical and Air Connections: Betts #920697 heavy duty nose box with 7-way socket located at front streetside of skid plate for easy access by driver. Glad hands for connection of air lines from tractor to be located on nose box bracket.
 - C. Lights: Betts Valox incadescent light kit.
 - D. Light Boxes: Polished stainless steel with two lights each side. (Inside – stop & clearance; Outside – turn & clearance)



1. **Accessories and Equipment:**

- A. Skid Plate: Adjustable skid plate with 2" kingpin (moves 6" forward and rearward in 3" increments). (SEE EMPTY 5th WHEEL HEIGHT IN NOTE 8A BELOW.)
- B. Landing Gear: Jost model 50,000# two-speed roll-down landing gear with 10" X 10" sand shoes. Crank to be located on curbside.
- C. Front Fenders: Single contour aluminum fenders (unpainted, natural finish) with mud flaps and MTC anti-sail device at rear of each fender.
- D. Rear Fenders: Double contour aluminum fenders (unpainted, natural finish) furnished over rear tires with mud flaps and MTC anti-sail device at rear of each fender.
- E. Rear Bumper: 8" x 60" wide bumper with under-ride protection.
- F. Hose Tubes: (2) 8" x 20' long aluminum hose tubes, one located at each side of trailer, complete with 16" long external reinforcement sleeves and cast doors at each end of each hose tube.
- G. Fire Extinguisher: (1) 20# fire extinguisher, with bracket, mounted at curbside rear of trailer.
- H. Chock Blocks: (2) chock blocks with holder located near suspension.
- I. Static Strap: None.
- J. Internal Baffles: (2) heavy duty aluminum bolt-in baffles bolted to support clips that are welded to pads. Baffle panels are to be removable through manway.
- K. Spare Tire Carrier: None.
- L. All components installed using stainless steel fasteners and bolting where practical.

7. **Surface Preparation, Paint and Markings:**

- A. All interior steel surfaces: Blasted prior to fabrication.
- B. Interior coating: None.
- C. All exterior steel surfaces: Blasted after fabrication.
- D. Exterior Coating: MTC Standard Paint System consisting of (2) coats of Dupont Imron paint. (SEE NOTE 8E FOR PAINT COLOR/CODE) over 2-coat epoxy primer system. Aluminum hose tubes and fenders are to be furnished natural and unpainted.
- E. Reflective tape to be furnished and installed per D.O.T. conspicuity requirements with tape installed using spaces on side but continuously around rear head.
- F. Marking to be applied adjacent to nameplate as required per D.O.T. specifications.
- G. Marking per customer decals and painted lettering, if required.

8. **Information To Be Confirmed By Customer. (Note: Delay in receipt of information can affect delivery).**

- A. Empty 5th wheel height: 49"
- B. Rotation/Orientation of Pump: Rotation – opposite engine with discharge to streetside and auxiliary intake to curbside.
- C. Tractor Weight: 16,500# Total, including driver, fuel and miscellaneous.
NOTE: Trailer to be balanced with kingpin plate in most rearward position.
- D. States of Operation: 48 contiguous states.
- E. Paint Color Code(s): Dupont ImronN0006H white

9. **Passive Device:** None.

Note: The trailer pricing shown below does not include a passive shutdown device as required by D.O.T. 49 CFR paragraph 173.315(n). Prior to operating this trailer, it must be equipped with such a device that has been certified to fully comply with the above referenced paragraph. Devices that have been certified with this requirement are shown on our attached options page and may be purchased separately, if desired.



Price, excluding any Federal excise, state or local taxes and FOB our plant, Hattiesburg, MS-----
12% Federal Excise Tax -----
Total price, including Federal Excise Tax, but excluding any state or local taxes, and FOB our plant,
Hattiesburg, MS -----

Estimated Weight:

NOTE:

1. The above pricing and completion date is subject to change and must be reviewed prior to acceptance of an order.
2. See attached Options Page.
3. Attached MTC Standard Terms and Conditions of Sale will apply.

Mike Pitts, Vice President, Sales