



## 11,600 W.G. Capacity LPG Transport Trailer Specifications

QTY	DESCRIPTION	PRICE
1	<p><b>11,600 W.G. Capacity LPG Transport Trailer as follows:</b></p> <ol style="list-style-type: none"> <li>1. <b>Tank Specifications:</b> <ol style="list-style-type: none"> <li>A. Tank manufactured by MTC in full accordance with latest editions of ASME Code, NFPA Pamphlet 58 and D.O.T. Specification MC-331.</li> <li>B. MAWP: 250 PSIG @ -20°F/125° F.; Diameter: 83 1/2" I.D; Material: SA517 steel.</li> <li>C. 100% X-ray of all pressure welds as required by ASME Code.</li> <li>D. Stress relieved per ASME Code and D.O.T. Specifications.</li> <li>E. Wet magnetic particle inspection per D.O.T. specifications.</li> <li>F. Non-corrosive service.</li> </ol> </li> <li>2. <b>Openings:</b> <ol style="list-style-type: none"> <li>A. (1) 16" manway in top 45° of rear head.</li> <li>B. (2) 3" NPT openings for relief valves located on top centerline of trailer near vertical centerline with rollover protection.</li> <li>C. (1) 8" recessed well with 2 1/2" flange for 4" visible float gauge located on curbside horizontal and vertical centerline of trailer.</li> <li>D. (1) 8" recessed well, located near float gauge recess, with gauge openings as follows:               <ol style="list-style-type: none"> <li>1) (1) 1/2" NPT x 7" thermowell</li> <li>2) (1) 1/4" NPT coupling with #54 drill for pressure gauge.</li> <li>3) (4) 1/4" NPT couplings with #54 drill for fixed liquid level gauge with settings as follows: 83%, 85%, 86.5% and 90%.</li> </ol> </li> <li>E. (1) 4" 300# flanged liquid opening for pump located on bottom centerline of tank behind landing gear.</li> <li>F. (1) 3" 300# flanged vapor/sprayfill opening located on bottom centerline of tank behind landing gear.</li> <li>G. (1) 3" 300# flanged liquid opening located on bottom centerline of tank behind landing gear.</li> </ol> </li> <li>3. <b>Piping/Valves/Fittings:</b> <ol style="list-style-type: none"> <li>B. Opening 2.A: (1) 16" SA517 steel manway with steel cover, studs, nuts, gasket and grab handle.</li> <li>C. Opening 2.B: (2) 3" Fisher H732-250 internal safety relief valves.</li> <li>D. Opening 2.C: 2 1/2" Rodchester rough-rider float gauge with 4" dial.</li> <li>E. Opening 2.D:               <ol style="list-style-type: none"> <li>1) Thermometer, 1/2" NPT x 6" stem. (-40°/160° F range.)</li> <li>2) Liquid filled pressure gauge, 1/4" NPT x 2 1/2" dial. (0° to 300° psig range)</li> <li>3) (4) brass outage gauges, 1/4" NPT</li> </ol> </li> <li>F. 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</li> </ol> </li> </ol>	



by customer. (SEE 8.B FOR PUMP DRIVE SYSTEM AND FOR ORIENTATION AND ROTATION OF PUMP.)

- G. 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.
  - H. 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.
  - I. Unless otherwise noted, all ball valves to be Jomar brass full ported type.
  - J. All Acme adapters to be furnished with cap and stainless steel cable.
  - K. Above piping to be located just to rear of landing gear and protected by channel frame.
  - L. 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.
  - M. 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.
  - N. 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: Tapered spindle with smaller 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: Stemco 4009.
    - 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 incandescent light kit.
  - D. Light Boxes: Polished stainless steel with two lights each side. (Inside – stop & clearance; Outside – turn & clearance)
- 6. **Accessories and Equipment:**
  - A. Skid Plate: Adjustable skid plate with 2" kingpin (moves 6" forward and rearward in 3" increments). (SEE EMPTY 5<sup>th</sup> 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.



## STANDARD TERMS & CONDITIONS OF SALE

1. **CREDIT:** This quotation is subject to the purchaser establishing and maintaining credit satisfactory to the Seller. If Purchaser fails to fulfill the terms of payment, Seller may defer further shipments, or may at its option cancel the unshipped balance and recover its damages in accordance with Paragraph 12., hereof as if Purchaser had cancelled its order. Seller reserves the right previous to making any shipments to require from Purchaser satisfactory security for performance of Purchaser's obligations. Purchaser agrees that it shall pay interest on past due accounts at the rate of 1 ½ percent per month (18% per annum) provided that in no event shall the interest rate for past due accounts exceed the maximum rate allowed by applicable laws. All costs and expenses, including attorney fees, incurred by the Seller in enforcing the terms and conditions of this agreement or obtaining payment thereof shall be chargeable to and paid by the Purchaser. No failure of Seller to exercise any right accruing from any default of Purchaser shall impair Seller's right in case of any subsequent default of Purchaser.
2. **CLERICAL ERRORS:** If any clerical, computation, or interpretation error is determined to have been made in the preparation of this quotation at the time of its review by the Seller, then at such time and without otherwise affecting this offer, Seller shall have the sole right to correct such error or withdraw their offer giving Purchaser written notice thereof.
3. **PRICE:** The price quoted herein shall expire 30 days from the date of this quotation unless this quotation has been previously cancelled by another quotation or by notice of cancellation by Seller or unless the time has been extended or reduced by a special provision appearing in this quotation. All quotations and sales prices will be adjusted to give effect to escalation charges at the time of delivery, if so stated and defined in quotation. All payments unless otherwise specified, shall be in U.S. Dollars and all money exchange rate charges, duties, taxes, and like charges not specifically included in the quotation shall be paid by Purchaser.
4. **SHIPMENT:** All quotations and sales are F.O.B. point of shipment unless otherwise stipulated. F.O.B. destination quotations and sales are based on freight rates in effect at time of shipment. It is expressly understood in case of increase in freight rates between date quotation is made and date on which shipment is made that Purchaser will be charged accordingly. Shipments of material covered by this quotation shall be made as close to the estimated shipping date as possible. WHILE EVERY EFFORT IS MADE TO MAINTAIN SCHEDULES SELLER IS NOT LIABLE FOR DAMAGES, DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL, OR OTHERWISE ON ACCOUNT OF DELAYS. Representations by the Seller as to shipment dates are subject to timely receipt of all requested information and prompt approval by Purchaser of all drawings.
5. **INSPECTION AND ACCEPTANCE:** Unless otherwise expressly agreed, Purchaser agrees that it shall inspect the work and material at the place of manufacture and shall notify Seller prior to shipment of any objections thereto. Such inspection without objection, or the failure to so inspect within ten (10) days after notification by Seller that the work is complete, shall constitute acceptance thereof as being in conformity with the order. In the event Seller ships without providing notice to Purchaser to inspect, Purchaser shall have ten (10) after delivery to inspect the work and materials and Purchaser waives any defects not reported to Seller within said ten (10) day period.
6. **WARRANTY:** The Seller only warrants new products manufactured and sold by it against its own defective workmanship and material under normal and proper use in service for twelve (12) months from completion of fabrication (except for any special warranty period which might be applicable as set forth in or as made a part of this Quotation) and only when subject to operating conditions outlined by Purchaser when order is placed and only when owned by the original Purchaser, EXCEPT THAT:
  - a. SELLER MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE (PROCESS-WISE, MECHANICALLY OR OTHERWISE) AND NO WARRANTIES WHICH EXTEND BEYOND THOSE SPECIFICALLY SET FORTH HEREIN, AND NONE SHALL BE IMPLIED BY LAW.
  - b. Seller's liability for damages caused by Seller's defective workmanship or materials, or failure to conform to this quotation or to any express or implied warranty, shall be limited to repairing or replacing the defective part or parts and no allowance shall be granted for repairs or alterations made without Seller's prior written consent. The decision to repair or replace shall be at Seller's election and shall be done in conformance with the Sales and Service Terms and Conditions specifically set forth herein and in its catalogs.
  - c. Seller's warranty does not apply to sales of used equipment, or parts requiring replacement because of natural wear and tear. Products, accessories, parts or attachments not manufactured by the Seller are not warranted by the Seller and shall bear the warranty given by the actual manufacturer and then only to the extent that such warranty is enforceable by Seller.
  - d. In any instance in which by Seller's quotation it has specifically given a mechanical warranty, absent any specially agreed period of time in our quotation, such warranty shall only extend for thirty (30) days after installation, or sixty (60) days after delivery of goods to the Purchaser, or completion of the first acceptance test, whichever period of time is shorter. It shall be the Purchaser's responsibility to furnish Seller maximum quoted design conditions for acceptance testing of the process within the applicable warranty time period. Should the Purchaser fail to do so for any reason whatsoever, then it is deemed that the Purchaser accepts the goods as satisfying the warranty requirements.
  - e. Due to the Seller's lack of control of the quality of available coating materials, and due to the lack of control of the characteristics of materials when applied together. Seller warrants only that materials used by it have no known defects and have been applied or used in fabrication in accordance with practices and standards recommended by the manufactures of the coating material or instructions from the customer. Seller invites shop inspection during the application or after it is completed, but prior to shipment from Seller's plant. Seller's warranty covers the proper application only when corrected prior to shipment from Seller's plant and in no event does it cover liability for damages arising from loss due to corrosion, transportation, or for direct, indirect, incidental or consequential damages of any kind.
7. **LIMITATION OF LIABILITY:** THE SELLER'S LIABILITY FOR DAMAGE REGARDLESS OF WHAT THE CAUSE THEREOF MAY BE, SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PART OR PARTS OF EQUIPMENT. IN NO EVENT SHALL THE SELLER BE LIABLE FOR ANY OTHER DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGE OF ANY NATURE DUE TO ANY CAUSE WHATSOEVER. In no event shall the Seller be liable for delays, curtailment of plant operations, process failure, loss of profits, costs of removing any parts or equipment to be repaired or replaced, or transportation and installation charges in connection with the repair, replacement, or servicing of any parts of equipment. Seller shall in no event be responsible for loss or damage to property left with Seller for repair, work-over or assembling whether such loss or damage be caused by fire, wind, water, theft, accident or any other cause beyond the Seller's control.
8. **DRAWINGS:** Any drawings and general information furnished by Seller as an aid in the installation or erection of materials sold are furnished by Seller gratis and form no part of this agreement. Such drawings must not be used until checked and approved by Purchaser. Any drawings prepared and furnished by Purchaser for use in manufacturing goods in Seller's plants shall become part of this



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9. agreement. Seller shall have no responsibility for information, drawings, and other matters submitted by Purchaser as trade secrets or confidential proprietary information unless expressly set forth in a written and separate agreement between Purchaser and Seller.
10. **TAXES:** No federal, state, foreign duties, or local sales, excise, use or other taxes are included in this quotation unless specifically mentioned herein. Purchaser agrees to assume and pay all taxes that may be imposed with respect to this contract and any price increase in this quotation resulting therefrom.
11. **VARIANCES:** Only materials and/or labor specifically noted are included in this quotation. All materials furnished and work performed shall be subject to tolerances and variances consistent with industry standards.
12. **FORCE MAJEURE:** Seller shall not be liable for loss, damage, delay, or failure of delivery, (NOR SHALL SELLER BE LIABLE FOR ANY OTHER DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGE FOR ANY CAUSE WHATSOEVER,) resulting from Acts of God, strikes, riot or civil commotion, lack of or limited availability of materials, casualties, suspension of plant operations, action of governmental bodies, delays in transportation, or any other causes beyond its control.
13. **CANCELLATION:** In the event of cancellation by the Purchaser of an order without Seller's written consent, the Purchaser agrees to reimburse the Seller for its costs incurred, plus not less than 15% of said costs. By definition, cost in such instance shall include but not be limited to the Seller's direct and indirect cost allocated or incurred for labor, materials, manufacturing, engineering, sales, shop and office administration and overhead, legal, restocking and such work hours as may be added to the cost of shop operation or loss in giving effect to the rescheduling required to replace the cancelled order. In the alternative and at Seller's option, a minimum of 15% of the contract price as a cancellation and restocking charge shall be made on all orders of goods which are cancelled as an agreed upon reasonable minimum charge for liquidated damages, and not as a penalty, it being recognized and agreed that it is extremely difficult to determine the actual damages in the event of a cancellation.
  
14. **CONFLICTING TERMS AND CHANGE ORDERS:** It is agreed that only this document and the terms and conditions of sales and service as set forth in documents specifically referred to by this quotation shall constitute the entire purchase orders or change orders submitted in connection herewith by Purchaser shall be deemed to be with the acceptance of and subject to the terms and conditions set forth under this quotation, including the face and reverse side hereof. If there is any conflict or discrepancy between the terms of this quotation and any other contract, document, purchase order, or change order submitted by Purchaser, then and in that event, unless an exception has been indicated, specifically reversed by Purchaser, and agreed to in writing by an authorized representative of the Seller at the Seller's home office, the instructions, specifications, and terms and conditions contained in this quotation shall be conclusively presumed to have been accepted by the Purchaser and shall prevail over and supersede all such conflicts or discrepancies and shall in no respect be deemed to have been waived by the Seller's commencement of work on the Purchaser's order or by the Seller's taking of any other affirmative action in relation to the Purchaser's order after the receipt of such conflicting document. The instructions, specifications, and terms and conditions contained in this quotation shall further be deemed to have been included in and made a part of Purchaser's contract, purchase order, change order or other document, whether referred to therein or not. Seller shall not be obligated to make any changes based on oral change orders and, in its sole discretion, may require written change orders and other assurances before performing any changes. All changes, whether based on oral or written change orders, shall be subject to extra charges. All change orders shall be conclusively presumed to have been issued and approved by the Purchaser as of the shipment date and shall be subject to final price and adjustments.
15. **PATENT INFRINGEMENT:** Seller shall have no responsibility for patent infringement for the manufacture, use or sale of the products herein which are considered as the design or specification of Purchaser or any other third party, nor shall Seller have responsibility for the structural design or the operating performance of products manufactured according to designs and specifications of the Purchaser, or any other third party, including shop drawings made by Seller and approved by the Purchaser which shop drawings shall be considered as part of the Purchaser's design and specification. Responsibility for the products as hereinabove referred to in this paragraph shall be borne by the Purchaser who agrees to hold the seller harmless for any liability in connection therewith. Seller shall have no responsibility for patent infringement of equipment sold by it, which is manufactured by others.
16. **APPLICABLE LAW:** It is agreed that the law of the State of Mississippi, (not including choice of law rules,) shall govern all the rights and duties of the Purchaser and Seller and any other question relating to this agreement.
17. **THIRD PARTY USERS:** If the user of the equipment and materials covered by this quotation is not the Purchaser, said Purchaser shall furnish the user with a copy of Seller's terms and conditions of sale along with any special installation and operational instructions, which it may receive, from the Seller. Purchaser agrees to indemnify and hold Seller harmless for any and all loss, damage, and/or expense which may at any time be sustained by the Seller by reason of any claims by the user against which the Seller would have a partial or total legal defense had notice of Seller's terms and conditions of sale or special installation or operational instruction been made available by the Purchaser to the user.
18. **POLLUTION:** Without in any limiting any other indemnity provisions contained in the standard terms and conditions of sale, Purchaser agrees to indemnify and hold Seller harmless from and against all liability, loss, cost, damage, and/or expense caused by, arising from, or incidental to any claims resulting from the use of the equipment by the Purchaser or its successors based on pollution, toxic waste, hazardous substances or adverse environmental impact. Such indemnity and hold harmless agreement shall include but not be limited to any liability to or action by the United States Government, the separate States or third parties under all applicable Federal and State laws and governmental orders, rules, and regulations relating to pollution, including specifically (but without limitation) the United States Water Quality Improvement Act of 1970, and the U.S. Outer Continental Shelf Lands Act of 1953, and any and all amendments thereto and CERCLA.