

BASE UNIT FOR PRICE BOOK - A/C REFUELER TRUCK

MODEL # FUELTT-AC5



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GENERAL

The following equipment shall be a new West-Mark DOT-406, Aircraft Refueler Tank Truck.

PRODUCT: Jet Fuel, Grade JP-5

CODE VESSEL: DOT 406. Built to NFPA 407 and 385.

TANK OPERATING PRESSURE: 3 PSI maximum.

TANK OPERATING TEMPERATURE: 125° F maximum

INTENDED AREA OF OPERATION: Specify _____.

INTENDED USE: Airport / Base only (Not used on public roadways); overwing & underwing fueling.

CHASSIS

New Freightliner model M2 106 conventional cab, 2-door chassis:

DRIVE: 6 X 4
GVWR: 62,000 lbs
Front Axle: 18,000 lbs Capacity
Rear Axles: 44,000 lbs Capacity, Air Suspension
Engine: Cummins ISL 300 HP and 860 lb/ft torque
Transmission: Eaton® Fuller® 10-Speed FRO-14210C manual

- Highway tread tires
- Steel wheels
- Cab color to be White
- Battery disconnect switch
- Maintenance free batteries
- Remote mounted positive & negative posts for jumpstart
- Coolant rated to -34F
- Engine block heater
- Quick disconnect fitting with tire inflation kit.
- Front tow hooks, eye(s), or pin (application varies based GVWR)
- LH and RH grab handles
- Air horn
- Electric horn(s)
- Daytime running lights
- LH and RH convex mirrors mounted under primary mirrors
- Heater, defroster, and air conditioner
- One (1) each 12V power supply in dash
- Speedometer/Odometer capable of displaying in both miles and kilometer, with trip and hour meter.
- Adjustable tilt and telescoping steering column
- Back-up alarm
- AM/FM/WB radio with Bluetooth and Auxiliary inputs
- Air suspension driver's seat and fixed 2-passenger seat with storage compartment
- Engine exhaust routed to under right hand step
- Heated mirrors (flat and convex)
- Heated fuel/water separator

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MODEL # FUELTT-AC5

- Exhaust shield installed at back of cab
- Ashtray shall be removed or rendered inoperable and a "NO SMOKING" sign shall be installed in the cab.
- Towing extended/roadside service warranty, 1 year/unlimited miles/km, \$550 cap (U.S. Domestic only)

TANK/ MANHOLES/ VENTING

- Barrel, 5000 Gallons aluminum .250" rectangular oval.
- Additional 3% gallons (minimum) for outage.
- Head(s), .250" 5454-O aluminum. dished and flanged.
- Baffle(s), four (4) .250" 5454-O aluminum, dished and flanged.
- Wings, Bolsters, and full length Z-Rail; Aluminum.
- Heavy Duty spring loaded mounting
- Weld Finish, interior to be W-0.
- Exterior weld finish to be W-1.
- Manhole(s), one (1) 20" w/ 10" fill, pressure actuated emergency venting
- **Cleanout(s)- NONE. (Available as option upon request)**
- Air-operated venting plumbed into LH vapor rail.

Vapor rail shall end in a removable screen for future clamp-on installation of ground hook-up vapor piping.

- Brake Interlock, valve(s) to set parking brake at:
 - One (1) Bottom loading adapter connection(s).
 - Two (2) Nozzle holder(s).
- Interlock shall be configured so that parking brake must be set for the PTO to engage.
- Brake Interlock Override, switch in cab protected with a guard.
- Tank Water Drain(s), one (1) spring loaded.

LADDERS/ WALKWAYS/ SPILLDAMS

- Spilldam, vapor rail overturn aluminum with drains.
- Walkway, non-skid tape in spilldam area.
- Ladder, aluminum tubular with heavy duty slip resistant steps at rear.

- Step, affixed under rear bumper
- Platform, installed on the chassis frame rails at rear if required for safe access to ladder.

LIGHTS AND WIRING

- Lights, L.E.D. per D.O.T. on body
- Reflectors, per D.O.T.
- Worklight(s), two (2) swivel L.E.D.
- **Meter Register Light(s)- NONE. (Available as option upon request)**
- Warning Beacon(s), one (1) amber.

PLUMBING

- Sump(s), one (1) each.
- Internal Valve(s), one (1) aluminum, air operated.
- Air operated emergency valve switch with fusible shutoff(s).
- Bottom Load / Recirculation line; located LH rear, terminating with a pressure gauge, manually operated butterfly valve, and a MIL-A-25896 adapter with tethered dust cap for accepting a standard Single Point Refueling (SPR) nozzle.
- **Top Loading- No top loading abilities supplied. (Available as option upon request)**
- Side Pumping Station, one (1) heavy duty open-style pump platform at roadside.
- Plumbing, aluminum with low point drains installed. Victaulic couplings and flexible approved fuel hose used when necessary.
- Filter Vessel, API/IP 1581 5th edition, Category "M", Type "S" filter separator with a spring-loaded drain valve and water slug valve shall be installed. Shutoff valves shall be installed at inlet and outlet of filter. Air Elimination and Pressure Relief, valve mounted on the filter vessel and discharge back to the product tank.
- **Replacement Elements- NONE. (Available as option upon request)**
- Differential Pressure Gauge, one (1) direct reading differential pressure gauge at control panel w/ purge valve.
- Hose Reel(s), one (1) air rewind with roller guides and auxiliary crank rewind.
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MODEL # FUELTT-AC5

- Reel plumbing to have in-line shut-off valve.
- Delivery Hose(s), one (1) 1.5" x 50 ft semi-collapsible fuel w/ certified and tested ends for overwing fueling.
- Nozzle(s), one (1) 1-1/2" flared aluminum jet fueling with spring trigger.
- Delivery Hose(s), one (1) 2-1/2" x 50' non-collapsible fuel with certified and tested ends.
- Nozzle(s), one (1) aluminum single point variable swivel Bayonet fueling.
- Deadman Controls, Pneumatic w/ spring rewind reel located at pumping station for underwing fueling operations.
- A control panel shall be located at the pumping station with LED strip lighting to illuminate controls and instruction plates.
- The plumbing system shall have pressure and flow regulating valves w/ nozzle and pump pressure gauges located at the control panel. The nozzle pressure shall be controlled from an air-adjustable regulator located at the pumping station. Flow rate shall be adjustable by switches at the panel that regulate the engine's throttle to allow "Low-Flow" and "High-Flow" during pumping operations. There shall also be a switch located on the panel to select between "Fueling" and "Defueling" mode(s) as applicable.
- Meter(s), one (1) resettable with air eliminator, strainer, and large numerical mechanical counter and spit can
- Nozzle Holder(s), two (2) w/ a latch to hold the nozzle in place during transportation
- Direct drive PTO w/ provisions to protect the PTO from overspeed.
- A drive line shall be connected from the PTO to the pump.
- Pump(s), one (1) self-priming centrifugal rated at 300 GPM (minimum).
- Emergency fuel shut-off switches shall be installed; one located at RH rear and one at pump panel.
- Flow Diagram, plumbing diagram / operation chart mounted on unit.
- Instruction Plate, affixed at the pumping station to instruct the operator on the safe operation of the unit.

FENDERS / BUMPERS / ETC.

- Rear Bumper, carbon steel.
- Rear Fenders, aluminum contour.
- Mudflaps, black rubber.

MISC.

- **Engine Air Shutoff Control- None. (Available as an option upon request)**
- **Grounding Rod- NONE. (Available as an option, upon request)**
- One (1) Brass grounding stud for external grounding.
- One (1) Grounding cable inside tank from manhole to lower baffle area or internal valve for internal grounding.
- Static Reel(s), one (1) spring rewind with 50' of cable w/ Brownie clamp and plug.
- Load Monitoring System, one (1) retain/overflow onboard monitor with dual socket assembly.
- Overfill Probe(s), one (1) with Plug N Play connector; one (1) installed in the top of each compartment.
- **Retain Probe- NONE. (Available as option upon request)**
- Harness, plug N play system.
- Two (2) 20 lb. ABC fire extinguishers shall be provided.
- **No cover shall be installed on fire extinguisher. (Available as option upon request)**
- Unit shall be labeled with the following decals:
 - The word "FLAMMABLE" shall be applied to the rear (if room permits) and each side of vehicle tank.
 - The words "NO SMOKING WITHIN 50 FEET" applied to the rear (if room permits) and each side of vehicle tank.
 - Product designation (i.e. "JET FUEL JP-5") shall be applied to rear (if room permits) and each side of vehicle tank.
 - NATO symbol centered below product designation (i.e. "F-44") contained in a rectangle at rear and each side of vehicle tank.
- Type IV, Class I wide-angle prismatic reflective markings as outlined in ASTM D 4956 shall be used for the above decals. Markings shall be 6" reflective red alphanumeric characters on 8" prismatic reflective white background.
- Emergency switches shall be clearly marked "EMERGENCY FUEL SHUTOFF" in 2" lettering. The method of operation shall be indicated by a clearly visible arrow or by the word "PUSH" or "PULL" as appropriate. Red on white reflective decals shall be used and shall be clearly visible at all angles to the surface being viewed.
- Front and rear bumpers painted black and 4" stripes of yellow reflective sheeting (wide-angle prismatic ASTM D 4956 Type IV, Class 1) applied 4" apart at an incline of 45 degrees from the left and right of the center vertical starting pattern.
- Placards, four (4) vinyl.
- Paint, on all carbon steel fabricated parts.

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- One (1) operation and maintenance manual(s) in paper format and one (1) on CD ROM complete with:
 - Operator & Maintenance Manual
 - Calibration Chart (if Applicable)
 - Equipment Parts List
 - Misc. Vendor Literature / Manuals
- Theoretical calibration chart shall be supplied
- **RFID Tag- NONE. (Available as option upon request)**
- Vehicle shall be road tested

Any and all Brand Name parts mentioned in specifications above are subject to substitution of an equal part that is of a different brand. Other substitutions may also be made if said substitution does not affect the intended function of the vehicle's mission and is equivalent or an upgrade as determined by West-Mark. All specified dimensions are nominal and may vary slightly.

Warranty, unit shall be free from defects in material and workmanship for a period of ONE (1) year.

F.O.B.:

West-Mark (CAGE: 880W5)

581 Industry Way

Atwater, CA 95301. (F.O.B. destination available as option upon request.)