



MD 1250 Portable Restroom Service Vehicle

The MD1250 tank is designed for the International 4300 and Ford F650 chassis at 25,500 lbs. GVW or larger. The 850-waste / 400-fresh tank can handle most routes. Standard features include: 3" waste outlet valve, left side service, 2" fresh water outlet valve, sight glasses, hose bracket, strap tie-down brackets, bumper hitch, rear mud-flaps, wand holster, unique baffle design, keyed locking cabinets, complies with DOT safety requirements.



Dimensions		Cab/Chassis Specifications	
		Navistar 4300 chassis	Ford F650 chassis
Length (module)	145"	<ul style="list-style-type: none"> DT 466 engine, (210 HP 520 ft.-lbs. torque) Allison 2100 RDS Single reduction differential Power steering 152" wheelbase; 84" cab to axle 25,500 GVW 8,000 front / 17,500 rear Towing capacity: 5,000 lbs., – 3/4 load, tongue weight: 500 lbs. Electronic fast idle control. 	<ul style="list-style-type: none"> Cummins ISB (215HP) 520 ft-lbs torque Allison 2500 RDS same same 158" wheelbase: 84 cab to axle 25,999 GVW 8,500 front /17,500 rear same same
Width (overall) excl. mirror bracket	98"		
Overall height (mounted)	100"		
Module height (not mounted)	58"		
Module weight	3,050 lbs.		

Cabinet Design and Materials

Design
14 gauge galvaneal panels with one 14 gauge locking cabinet on each side. Cabinet and side panels are bolt-together construction.

Finish: Diamond Vogel Epoxy powder primer, Polyester powder top coat

Bumper, Hitch Assembly & Unit Hauler

- Recess-mounted tail, back-up and marker lights
- Female half of six-pin connector flush mounted
- Trailer and safety chain hookup
- Grade 8 mounting bolts
- Bright zinc finish
- Fold up design holds two units
- License plate holder

Weight and Balance

Front	Axle Weights	Rear	Total
6,489 lbs.	Empty	6,491 lbs.	12,980 lbs.
5,840 lbs.	Full fresh	10,539 lbs.	16,379 lbs.
7,990 lbs.	Full waste	12,640 lbs.	20,630 lbs.
7,920 lbs.	Full truck*	13,390 lbs.	21,310 lbs.

*Full truck = Full waste, 20% fresh, driver

25,500 lbs = International 4700 Factory published GVW rating; 25,999 lbs = Ford F650 Factory published CVW rating

Tank Design and Material

Front Waste Compartment: **Volume** - 850 gallons, Shell - 3/16", Heads - Two 7 gauge (54" diameter with 1-1/2" lip), two sets of 16", 12 gauge cross baffles; two 6" and two 8", 12 gauge wing baffles running to within 2" of either head.

Rear Fresh Compartment: **Volume** - 400 gallons, Shell - 3/16", with one 7-gauge head. 12 gauge wing baffles run full length of shell.

Mounts: Tank rests on chassis frame on captive 1" x 3" x 18" oak strips. Front consists of 7/8" hardened threaded rod and lock nuts with 1/2 inch bar mounts. Rear mounts consist of 3/8" and 1/4" brackets. Brackets are bolted to trunk frame with 1" and 1/2" diameter Grade 8 plated bolts, nuts and lock washers.

Dump Locations: **Waste** - 3" full port dump located just ahead of rear wheel on driver's side.
Fresh - 2" dump located just behind left rear dual.

Fitting Sizes:

Fresh outlet	2" MPT	Fresh inlet	3" MPT
Waste outlet	3" MPT	Waste inlet	3" MPT
Vacuum line	1 - 1/2" MPT	Indicator	2" sight glass
Waste indicator	2" sight glass	Fresh indicator	2" sight glass

Tank Finish: Polyester powder coat

Vacuum System Specifications

Standard Pump: Conde SDS 12

Standard Pump Drive: PTO with Woods coupler torque protection

Optional Pump: Masport HXL4

Vacuum System Features:

- Service hose 25' (others optional)
- Electronic fast idle system (chassis option)
- Pump oiling system
- Primary overflow valve (in-tank design)
- Secondary check valve (in-line design)
- Exhaust muffler/oil catch
- Vacuum gauge

The service module features a PTO-driven vacuum system for pumping waste and a gravity flow chemical system for recharging the restroom with fresh chemical.

Performance on 850 Tank:

1200 RPM	Rating (CFM)	PRESSURE-RELIEF VALVE SETTING	
		12" HG	18" HG
Conde SDS12	180	29 seconds	77 seconds
Masport HXL-4	160	35 seconds	93 seconds

The above times are for empty tank performance.

Standard Module Features

- 30" x 24" x 18" cabinets both sides
- Galvaneal, powder coated catwalks and cabinets
- Rail cap protection on catwalks
- Cabinet shelves
- Round sight glasses
- Coated fresh compartment
- Rubber dock guard on rear of catwalks
- Bedliner on inside of catwalks and in tank work zone
- DOT safety equipment package (flag and reflector, eye wash kit, first aid kit, fire extinguisher)

Optional Module Features

- Waste manway
- Vacuum hose length options
- Chemical delivery system
- Pressure wash systems
- Dump hose length options
- Wet basket
- Boom and latch package
- Masport Scent exhaust odor eliminator
- Metered toilet deodorizer dispensing system