

RAMPMASTER SPECIFICATIONS

RAMPMASTER 10,000
GALLON LOW PROFILE
SPECIFICATION

POWER MODULE

ENGINE:	Turbocharged 6 cyl. C7 Caterpillar Engine
ENGINE EQUIPMENT:	Engine block heater 15.9 CFM Air compressor
COOLING:	1164 sq. in. 4 row core Radiator
AIR INTAKE:	Donaldson single stage dry air cleaner
EXHAUST:	Single horizontal exhaust system Mounted under front bumper with spark arrestor
TRANSMISSION:	4 speed automatic, Alison RDS3000 world transmission with oil cooler and two cartridge filters. Incorporates electronic push button shift selector pad mounted in cab.
REAR/DRIVE AXLE:	Meritor (Rockwell) PRLC1736 - 52,000 lb. capacity, 12.31 ratio, Chalmers 45,000 lb. suspension Dual 315/80R22.5 tubeless tires
FRONT AXLE:	Meritor (Rockwell) FL-943 – 20,000 lb. Capacity, steerable 20,000 lb leaf spring suspension 22.5" x 9" one piece wheels 315/80R22.5 tubeless tires
AIR BRAKE SYSTEM:	Front: Cam Rear: Cam Cast Iron brake drums Rockwell Wabco cartridge style air dryer
CHASSIS:	110,000 psi minimum yield strength steel alloy frame with reinforcement plates 60 gal fuel tank SAE J844 Nylon tubing fuel and air lines Cab mounted entry steps Heavy duty steel bumpers with (2) tow eyes Battery box with two batteries and shut off switch
CAB TRIM & ACCESSORIES:	High visibility aluminum tilt cab Hydraulic tilt mechanism, mechanical lock Adjustable tilt/telescoping steering column Shatter proof fender extensions Tinted window glass Air suspension low back driver seat Fixed full foam low back passenger seat Rubber black floor mats 40,000 BTU heater/defroster Electric windows Electric horn

INSTRUMENTS:

Electric speedometer and odometer
Oil pressure gauge
Dual air pressure gauges
Voltmeter
Engine water temp gauge
Fuel gauge
Hour meter
Separate starter button
Pump/Drive selector lever with indicator light

WARNINGS:

Low oil pressure lamp and buzzer with shutdown
High water temperature, lamp and buzzer with shutdown
Low air lamp and buzzer
Transmission Temperature lamp and buzzer

PUMP MODULE

The pump module contains forklift tracks, quick disconnects, gate valves, and snap-type air line and electrical connections. This enables the pump module to be removed in minutes from the Power Module.

PUMP:	800 GPM with integral power-take-off
LIFT PLATFORM:	Platform height - 73" For an Airbus A320 up to 140" for Boeing 777 and Airbus A380.
PUMPING CONTROL:	Whittaker 4" pressure and deadman control valve Whittaker 4" bypass valve. Air operated deadman control system with "Flowmaster" system.
FILTRATION:	800 GPM filter monitor Gammon filter differential pressure gauge Gammon millipore sampling adapters (one upstream and one downstream of the filter monitor) Air Eliminator
HOSES/REEL/NOZZLES:	One (1) hydraulic rewind hose reel (Single Wrap) with manual rewind One (1) 2½" x 50' hose with Whittaker 2½" F-117 underwing nozzle Two (2) 2" x 7' deck hoses with Whittaker 2½" F-117 underwing nozzles and 3" OPW swivels One (1) 4" x 96" Jac riser hose
THROTTLE:	High and Low control on lift platform, one speed on side reel
DEFUELING:	Gorman Rupp 4" x 3" FDF valve and eductor with check valve to prevent backwash to filter
METERING:	Liquid Controls 800 GPM meter with Lectro Count register Digital deck readout / rate of flow indicator
CONTROL PANELS:	Side mounted: contains 4" nozzle pressure gauge, fuel-defuel control Deck mounted: contains 4" nozzle pressure gauge and high – low flow selector
PIPING:	Schedule 5 stainless steel piping
INTERLOCKS:	All underwing nozzles, deck rails, bottom loading valve, and pump/drive selector.
DEADMAN:	Air operated
EMERGENCY SHUTDOWN:	Three (3) quick access shut-offs located at right front and left front module corners as well as on lift platform.
FIRE EXTINGUISHERS:	Two (2) Ansul AB fire extinguishers
TESTING:	Refueler is completely flow tested for proper operation of all controls and valves, meter is calibrated.

TANK MODULE

WARRANTY:	10 years
CAPACITY:	10,000 + 3% gallons shell full
COMPARTMENTS:	One (1) single
CONSTRUCTION:	Aluminum, rectangular, fully baffled .313" aluminum heads, and bottom, .250" sides DOT 406 construction
MANHOLE:	Two (2) 20" diameter manholes with 10" fill, one (1) vapor vent mounted in manhole equipped for future vapor recovery One (1) 20" diameter inspection manhole
VENTING:	3" with interlock weather-hood and elbow
FLASHING:	Two (2) aluminum extrusions welded and air tested
WALKWAY:	Aluminum expanded metal walkway inside flashing
DRAINS:	Two (2) at rear, two (2) at front of tank
LADDER:	Aluminum bolt-on at rear with grip-strut steps
BOTTOM LOAD ADAPTER:	One (1) Carter aluminum 2½" bottom load valve, and one (1) Civacon 4" API bottom load valve Bottom load adapters equipped with brake interlocks
STATIC TERMINAL:	At bottom load valve
EMERGENCY VALVE:	One (1) Carter aluminum 6" emergency valve with anti-splash deflector.
PRODUCT LEVEL SENSORS:	One (1) two-stage Carter jet sensor
SENSOR PRECHECK VALVE:	One (1) spring loaded Apollo ball valve
WATER DRAIN VALVE:	One (1) Apollo ball valve with camlock cap from sump
TANK MOUNTING:	Two (2) kingpins to mate two fifth-wheels on Power Module.
TANK AXLES:	One (1) 40,000 lb. capacity axles Chalmers 40,000 lb. Suspension 315/80R22.5 tubeless tires
TANK LEVEL:	Product level gauge