

RAMPMASTER SPECIFICATIONS

RAMPMASTER 15,000
GALLON WD STANDARD
SPECIFICATION

POWER MODULE

ENGINE:	Turbocharged 6 cyl. C7 Caterpillar engine
ENGINE EQUIPMENT:	Engine block heater 15.5 CFM Air compressor
COOLING:	1100 sq. in. 4 row core Radiator
AIR INTAKE:	Donaldson 15" single stage dry air cleaner
EXHAUST:	Single horizontal exhaust system Mounted under front bumper with spark arrestor
TRANSMISSION:	5 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:	Rockwell PSC 1614 - 48,000 lb. capacity, steerable, 14.76 ratio, Chalmers 48,000 lb. suspension 17.5" x 25" 5 piece OTR wheels 17.5R25 Aggressive tread tires (super singles)
FRONT AXLE:	Rockwell FL-941s - 22,000 lb. Capacity, steerable 22,000 lb. Leaf Spring Suspension 22.5" x 9" one piece wheels 315/80R22.5 tires
AIR BRAKE SYSTEM:	Front: Cam Rear: Wedge Cast Iron brake drums Wabco cartridge style air dryer
CHASSIS:	110,000 psi yield strength steel alloy frame with reinforcement plates 45 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 steel tilt cab Hydraulic tilt mechanism, mechanical lock Fiberglass front fender extensions Tinted window glass Black interior trim Air ride low back driver seat Full foam low back passenger seat Rubber black floor mats 40,000 BTU heater/defroster Electric horn

INSTRUMENTS:

Console type with front serviceable gauges
Electric speedometer and odometer
Oil pressure gauge
Dual air pressure gauges
Voltmeter
Engine water temp gauge
Fuel gauge
Hobbs 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 lifting rings, 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 - 66" For an Airbus A320 up to 134" for Boeing 777
PUMPING CONTROL:	Whittaker 4" pressure control valve Whittaker 4" bypass valve. Air Eliminator. Air operated deadman control system with "Flowmaster" system.
FILTRATION:	800 GPM filter monitor Gammon filter differential pressure gauge
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) 2½" x 10' deck hoses with Whittaker 2½" F-117 underwing nozzle.
THROTTLE:	High and Low flow on deck, one speed on side reel
DEFUELING:	Gorman Rupp 4" x 3" FDF valve and eductor with check valve to prevent backwash to filter
METERING:	800 GPM meter with ticket printing register Digital deck readout / rate of flow indicator
CONTROL PANELS:	Side mounted: contains 4" nozzle pressure gauge, millipore taps (upstream and downstream of filters), fuel – defuel selector, and 2½" pump discharge pressure gauge 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 top deck.
FIRE EXTINGUISHERS:	Two (2) Ansul 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:	15,000 gallons shell full
COMPARTMENTS:	One (1) single
CONSTRUCTION:	Aluminum, semi rectangular, drop frame, fully baffled .313" aluminum heads, sides, and bottom DOT 406 construction
MANHOLE:	One (1) 20" diameter manhole with 10" fill, two (2) 2" fusibles, vapor vent mounted in manhole Two (2) 20" diameter inspection manholes
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, one (1) at front of tank
LADDER:	Aluminum bolt-on at rear with grip-strut steps and drain through risers
SENSOR PRECHECK VALVE:	One (1) Apollo ball valve
BOTTOM LOAD ADAPTER:	One (1) Whittaker aluminum 2½" bottom load valve One (1) Whittaker aluminum 4" bottom load valve Bottom load adapters equipped with brake interlocks
STATIC TERMINAL:	At bottom load valve
EMERGENCY VALVE:	One (1) Whittaker aluminum 6" emergency valve with anti-splash deflector.
WATER DRAIN VALVE:	One (1) Apollo ball valve in sump
PRODUCT LEVEL SENSORS:	One (1) two-stage Whittaker jet sensor
TANK MOUNTING:	Two (2) kingpins to mate two fifth-wheels on Power Module.
TANK AXLES:	78,000 lb. capacity axles Chalmers 70,000 lb. Suspension 25" five piece OTR wheels 17.5R25 Aggressive tread tires (super singles)
TANK LEVEL:	Product level gauge