

# **RAMPMASTER SPECIFICATIONS**

**RAMPMASTER 17,500**  
GALLON WD STANDARD  
SPECIFICATION

## **POWER MODULE**

<b>ENGINE:</b>	Turbocharged 6 cyl. C7 Caterpillar engine
<b>ENGINE EQUIPMENT:</b>	Engine block heater 15.5 CFM Air compressor
<b>COOLING:</b>	1100 sq. in. 4 row core Radiator
<b>AIR INTAKE:</b>	Donaldson 15" single stage dry air cleaner
<b>EXHAUST:</b>	Single horizontal exhaust system Mounted under front bumper with spark arrestor
<b>TRANSMISSION:</b>	5 speed automatic, Alison RDS3000 world transmission with oil cooler and two cartridge filters. Incorporates electronic push button shift selector pad mounted in cab.
<b>REAR/DRIVE AXLE:</b>	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)
<b>FRONT AXLE:</b>	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
<b>AIR BRAKE SYSTEM:</b>	Front: Cam Rear: Wedge Cast Iron brake drums Wabco cartridge style air dryer
<b>CHASSIS:</b>	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
<b>CAB TRIM &amp; ACCESSORIES:</b>	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.

<b>PUMP:</b>	800 GPM with integral power-take-off
<b>LIFT PLATFORM:</b>	Platform height - 66" For an Airbus A320 up to 134" for Boeing 777
<b>PUMPING CONTROL:</b>	Whittaker 4" pressure control valve Whittaker 4" bypass valve. Air Eliminator. Air operated deadman control system with "Flowmaster" system.
<b>FILTRATION:</b>	800 GPM filter monitor Gammon filter differential pressure gauge
<b>HOSES/REEL/NOZZLES:</b>	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.
<b>THROTTLE:</b>	High and Low flow on deck, one speed on side reel
<b>DEFUELING:</b>	Gorman Rupp 4" x 3" FDF valve and eductor with check valve to prevent backwash to filter
<b>METERING:</b>	800 GPM meter with ticket printing register Digital deck readout / rate of flow indicator
<b>CONTROL PANELS:</b>	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
<b>PIPING:</b>	Schedule 5 stainless steel piping
<b>INTERLOCKS:</b>	All underwing nozzles, deck rails, bottom loading valve, and pump/drive selector.
<b>DEADMAN:</b>	Air operated
<b>EMERGENCY SHUTDOWN:</b>	Three (3) quick access shut-offs located at right front and left front module corners as well as on top deck.
<b>FIRE EXTINGUISHERS:</b>	Two (2) Ansul fire extinguishers
<b>TESTING:</b>	Refueler is completely flow tested for proper operation of all controls and valves, meter is calibrated.

## **TANK MODULE**

<b>WARRANTY:</b>	10 years
<b>CAPACITY:</b>	17,500 gallons shell full
<b>COMPARTMENTS:</b>	One (1) single
<b>CONSTRUCTION:</b>	Aluminum, semi rectangular, drop frame, fully baffled .313" aluminum heads, sides, and bottom DOT 406 construction
<b>MANHOLE:</b>	One (1) 20" diameter manhole with 10" fill, two (2) 2" fusibles, vapor vent mounted in manhole Two (2) 20" diameter inspection manholes
<b>VENTING:</b>	3" with interlock weather-hood and elbow
<b>FLASHING:</b>	Two (2) aluminum extrusions welded and air tested
<b>WALKWAY:</b>	Aluminum expanded metal walkway inside flashing
<b>DRAINS:</b>	Two (2) at rear, one (1) at front of tank
<b>LADDER:</b>	Aluminum bolt-on at rear with grip-strut steps and drain through risers
<b>SENSOR PRECHECK VALVE:</b>	One (1) Apollo ball valve
<b>BOTTOM LOAD ADAPTER:</b>	One (1) Whittaker aluminum 2½" bottom load valve One (1) Whittaker aluminum 4" bottom load valve Bottom load adapters equipped with brake interlocks
<b>STATIC TERMINAL:</b>	At bottom load valve
<b>EMERGENCY VALVE:</b>	One (1) Whittaker aluminum 6" emergency valve with anti-splash deflector.
<b>WATER DRAIN VALVE:</b>	One (1) Apollo ball valve in sump
<b>PRODUCT LEVEL SENSORS:</b>	One (1) two-stage Whittaker jet sensor
<b>TANK MOUNTING:</b>	Two (2) kingpins to mate two fifth-wheels on Power Module.
<b>TANK AXLES:</b>	92,000 lb. capacity axles Chalmers 92,000 lb. Suspension 25" five piece OTR wheels 17.5R25 Aggressive tread tires (super singles)
<b>TANK LEVEL:</b>	Product level gauge