

RAMPMASTER SPECIFICATIONS

RAMPMASTER 10,000
GALLON WD STANDARD
SPECIFICATION

POWER MODULE

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| ENGINE: | Turbocharged 6 cyl. C7 Caterpillar Engine |
| ENGINE EQUIPMENT: | Engine block heater 16.5 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: | 5 speed automatic, Alison MD3060P world transmission with oil cooler and two cartridge filters. Incorporates electronic push button shift selector pad mounted in cab. |
| REAR/DRIVE AXLE: | Rockwell RF23180 - 25,000 lb. capacity, steerable, 9.76 ratio, Chalmers 30,000 lb. suspension 315/80R22.5 tubeless tires |
| FRONT AXLE: | Rockwell FL-943 – 16,500 lb. Capacity, steerable Flat leaf spring 18,000 lb. Suspension 22.5" x 9" one piece wheels 315/80R22.5 tubeless tires |
| AIR BRAKE SYSTEM: | Front: Wedge 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.

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| 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

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| WARRANTY: | 10 years |
| CAPACITY: | 10,000 + 3% 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: | Betts vent 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 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: | Two (2) 33,000 lb. capacity axles Chalmers 65,000 lb. Suspension 29580R x 22.5 tubeless tires |
| TANK LEVEL: | Product level gauge |