

RAMPMASTER SPECIFICATIONS

RAMPMASTER 7,000
GALLON RJ STANDARD
SPECIFICATION

POWER MODULE

ENGINE:	Mercedes MBE900 6 cylinder:: 210HP @ 2200 RPM
ENGINE EQUIPMENT:	Engine block heater 15.5 CFM Air compressor
COOLING:	720 sq. in. aluminum radiator
AIR INTAKE:	Heavy duty 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:	Meritor RS-30-185 - 30,000 lb. capacity, 7.17 ratio, Chalmers 30,000 lb. suspension 22.5" disc wheels 11R22.5 tubeless tires
FRONT AXLE:	Meritor 18,000 lb. Capacity, steerable Flat leaf spring 18,000 lb. Suspension 315 80R22.5 disc wheels 11R22.5 tubeless tires
AIR BRAKE SYSTEM:	Front: CAM Rear: CAM Cast Iron brake drums Wabco SS 1200 EM air dryer
CHASSIS:	10 15/16" heat treated steel frame with full length 1/4" liner with heavy duty cross members. 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 rubber mounted conventional cab Sloped fiberglass hood Tinted window glass Cushion air driver seat with adjustable lumbar Full foam mid back passenger seat Rubber black floor mats Heater/defroster Electric horn

INSTRUMENTS:

Driver information center with:
Electric speedometer and odometer
Oil pressure gauge
Dual air pressure gauges
Voltmeter
Engine water temp gauge
Engine oil temperature 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

300 GPM PUMP MODULE

The pump module consists of all aluminum unpainted framework with non-paint stainless-steel piping, aluminum filter monitor and galvanized Vic connections. It 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:	300 GPM PTO driven centrifugal self-priming Gorman Rupp pump
PUMPING CONTROL:	Whittaker 3" pressure control valve Whittaker 3" bypass valve Air Eliminator. Air operated deadman control with "Flowmaster" system.
FILTRATION:	300 GPM filter monitor Gammon filter differential pressure gauge
HOSES/REEL/NOZZLES:	One (1) electric rewind hose reel (single-wrap) with manual rewind One (1) electric rewind hose reel with manual rewind (for overwing hose) One (1) 2½" x 50' hose with Whittaker 2½" F-117 underwing nozzle with 45 psi hose end pressure control One (1) 1½" x 50' hose with Whittaker 1½" OPW 295 overwing nozzle
THROTTLE:	One speed
DEFUELING:	Gorman Rupp 3" x 2" FDF valve diverts to suction side of pump
METERING:	300 GPM meter with electronic registration and ticket printing.
CONTROL PANELS:	Side mounted: contains 4" nozzle pressure gauge, millipore taps (upstream and downstream of filters), and fuel – defuel selector.
PIPING:	Schedule 5 stainless steel piping
INTERLOCKS:	All underwing nozzles, bottom loading valve, and pump/drive selector.
DEADMAN:	Air operated
EMERGENCY SHUTDOWN:	Two (2) quick access shut-offs located at right front and left front module corners
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:	7,000 + 3% gallons shell full
COMPARTMENTS:	One (1) single
CONSTRUCTION:	Aluminum, semi rectangular, fully baffled .250" aluminum heads, sides, and .313" 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 4" 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 AXLE:	30,000 lb. capacity axle Chalmers 30,000 lb. Suspension 20" wheels 11R22.5 tubeless tires
TANK LEVEL:	Product level gauge