

# *RAMPMASTER SPECIFICATIONS*

**RAMPMASTER 5,000**  
GALLON STANDARD  
SPECIFICATION

## **POWER MODULE**

|                                    |   |
|------------------------------------|---|
| <b>ENGINE:</b>                     | Cummins ISC-240 240hp   |
| <b>ENGINE EQUIPMENT:</b>           | Engine block heater<br>13.2 CFM Air compressor  |
| <b>COOLING:</b>                    | 720 sq. in. aluminum radiator   |
| <b>AIR INTAKE:</b>                 | Heavy duty 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>            | Meritor RS-30-185 - 40,000 lb. capacity, 7.17 ratio,<br>Chalmers 40,000 lb. suspension<br>22.5" disc wheels<br>11R22.5 tubeless tires   |
| <b>FRONT AXLE:</b>                 | Meritor 16,000 lb. Capacity, steerable<br>Flat leaf spring 18,000 lb. Suspension<br>315 80R22.5 disc wheels<br>11R22.5 tubeless tires   |
| <b>AIR BRAKE SYSTEM:</b>           | Front: CAM<br>Rear: CAM<br>Cast Iron brake drums<br>Wabco SS 1200 EM air dryer  |
| <b>CHASSIS:</b>                    | 10 15/16 " heat treated steel frame with full length ¼" liner with heavy duty cross members.<br>45 gal fuel tank<br>SAE J844 Nylon tubing fuel and air lines<br>Cab mounted entry steps<br>Heavy duty steel bumpers with (2) tow eyes<br>Battery box with two batteries and shut off switch |
| <b>CAB TRIM &amp; ACCESSORIES:</b> | High visibility rubber mounted conventional cab<br>Sloped fiberglass hood<br>Tinted window glass<br>Cushion air driver seat with adjustable lumbar<br>Full foam mid back passenger seat<br>Rubber black floor mats<br>Heater/defroster<br>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.

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| <b>PUMP:</b>               | 300 GPM PTO driven centrifugal self-priming Gorman Rupp pump  |
| <b>PUMPING CONTROL:</b>    | Whittaker 3" pressure control valve<br>Whittaker 3" bypass valve<br>Air Eliminator.<br>Air operated deadman control with "Flowmaster" system.   |
| <b>FILTRATION:</b>         | 300 GPM filter monitor<br>Gammon filter differential pressure gauge   |
| <b>HOSES/REEL/NOZZLES:</b> | One (1) electric rewind hose reel (single-wrap) with manual rewind<br>One (1) electric rewind hose reel with manual rewind (for overwing hose)<br>One (1) 2½" x 50' hose with Whittaker 2½" F-117 underwing nozzle with 45 psi hose end pressure control<br>One (1) 1½" x 50' hose with Whittaker 1½" OPW 295 overwing nozzle |
| <b>THROTTLE:</b>           | One speed   |
| <b>DEFUELING:</b>          | Gorman Rupp 3" x 2" FDF valve diverts to suction side of pump   |
| <b>METERING:</b>           | 300 GPM meter with electronic registration and ticket printing.   |
| <b>CONTROL PANELS:</b>     | Side mounted: contains 4" nozzle pressure gauge, millipore taps (upstream and downstream of filters), and fuel – defuel selector.   |
| <b>PIPING:</b>             | Schedule 5 stainless steel piping   |
| <b>INTERLOCKS:</b>         | All underwing nozzles, bottom loading valve, and pump/drive selector.   |
| <b>DEADMAN:</b>            | Air operated  |
| <b>EMERGENCY SHUTDOWN:</b> | Two (2) quick access shut-offs located at right front and left front module corners   |
| <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**

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| <b>WARRANTY:</b>              | 10 years  |
| <b>CAPACITY:</b>              | 5,000 + 3% gallons shell full   |
| <b>COMPARTMENTS:</b>          | One (1) single  |
| <b>CONSTRUCTION:</b>          | Aluminum, fully baffled .250" aluminum heads, sides, and .313" bottom<br>DOT 406 construction   |
| <b>MANHOLE:</b>               | One (1) 20" diameter manhole with 10" fill, two (2) 2" fusibles, vapor vent mounted in manhole<br>Two (1) 20" diameter inspection manhole |
| <b>VENTING:</b>               | Betts vent 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 (2) 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<br>Bottom load adapters equipped with brake interlocks                                   |
| <b>STATIC TERMINAL:</b>       | At bottom load valve  |
| <b>EMERGENCY VALVE:</b>       | One (1) Whittaker aluminum 4" 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>         | Fork-lift chutes for quick removal. Tank mounted on chassis with neoprene sill. Sills have full length retaining strips.                  |
| <b>TANK LEVEL:</b>            | Product level gauge   |