

Ring-O-Matic 750 High CFM PTHD

And Optional Hydraulic Boom

For sales contact:



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Engine: Cat 3024 Diesel 50 HP Engine, Liquid Cooled, 12 Volt Electric Start

Diesel Fuel Tank: 29 Gallon Steel Diesel Fuel Tank

Collection / Vacuum Tank: Capacity to be not less than 750 Gallons. Inflatable Pneumatic Breaker inside to dislodge settled or hardened materials. Tank to have an 8" Stainless Steel ball sealing against a rubber seat to prevent water and dirt from over filling the tank. Unit to be capable of unloading in 2 methods: Hydraulically raising the rear door and dumping or by Pressurizing the tank to expel the spoils.

High Pressure Water Pump: Cat 56RS or equivalent. Ceramic Pistons and Stainless Steel Springs. Electric Clutch must be 12 volt rated @ 100 HP. Water Pump Flow – 5.5 GPM @ 3500 PSI when engine is running at 3000 RPM.

Unloader: Flow Range to be from 1 – 21 GPM @ 800 – 4000 PSI. Pressure sensitive and will bypass when water is shut off by the gun and relieves the load off the pump. Pressure to be held in the discharge line ready for a quick return to high pressure w/3 way valve. (Low pressure for injecting anti-freeze into the pump and system of water lines).

Lights: DOT approved Strobe Light with Control Switch and Dual Halogen Work Lights with Control Switch.

Low Water Alarm/Siren: Unit to have a siren that will warn the operator of low fresh water level in the tank.

Blower: 850 CFM minimum Lobe Style Blower with both Vacuum and Pressure capability. Blower shall operate at 850 CFM @ 15" Hg. Silencer Muffler for Noise abatement.

Filtration System: Wet / Dry Vacuum Baghouse Filtration. Removable and Washable 100% spun Fiber/Polyester media with molded urethane top easily removed for cleaning. Rated to <5 Micron filtration. Cyclonic action multi-gallon Water Trap in the bottom of Baghouse (Water released by a 3" Gate Valve)

Valves: Unit to have 2 – 2 1/2" Vacuum Relief Valves with Stainless Steel Springs used to maintain a Maximum of 15" Hg. Pre-set and Locked Pressure Relief Valve to be provided to maintain 5" Hg. in the Collection Tank when the Control Valve is in the Pressurized Off-Loading Position.

Collection Tank Lift System: To be lifted by Dual Hydraulic Cylinders. Hydraulic pump to operate at 9 gpm @ 1500 psi.

Operator Controls and Gauges: Lockable Curbside Diesel Engine Control Panel Console to include: Hour Meter, Tachometer, Keyed Starter & Engine Pre-Heater, Water Temperature Light, Oil Pressure Light, Alternator Light, Low Voltage Automatic Engine Shut-Off, Low Oil Automatic Engine Shut-Off, Water Pump Clutch Fused Switch, Strobe Light Fused Switch, Dual Halogen Work Light Fused Switch, Water Pressure Gauge, Vacuum Gauge, Lever Arm to inflate Pneumatic Breaker, 4-Way 4" Vac/Pressure Valve Adjustment Lever, And Water Filter Cleanout.

Dual Vacuum Ports: Each Port to have a 4" Brass Gate Valve Shut-Off and reduced to 3" Ball and Socket Hose Ends. (No Cam Locks)

Rear Door: Hydraulically Operated Full Opening (Cam or Screw Type Not Acceptable). Must have 6 Deadbolts around outer circumference for proper seal and safety during Vacuum and Pressure application. Having a 1 ½" X 1 ½" Continuous Seal that is recessed into the tank sidewall. Door closure to be Cammed for fingertip closing, by use of a single hand that moves the 6 deadbolts into position. Hydraulic door cylinder to be internally ported for slow closure in the event a hydraulic hose breaks.

Engine Enclosure: Sound deadening, lockable Engine Enclosure for noise abatement.

Hose Storage: Adequate to store 1 – 3" X 50' Hose.

Trailer: Trailer and unit to be Low Profile design for more stable towing. Maximum Height to be 89.5", Length to be no more than 236", Width to be no more than 96". Trailer to be Tandem Axle with two 10,000# Rubber Torsion Axles with Electric Brakes on all 4 wheels.

Tires: 235/75R17.5 Load Range H

Trailer to have Verifiable (Scale Tickets) Tongue Weights Not To Exceed: 1000#

Tools: Machine to be equipped with Patented Stainless Steel Emulsifier Gun that has a Rotary Turbo Nozzle imbedded within the cone. Gun provides a continuous revolving stream of water to cut dirt and debris into small pieces to allow simultaneous vacuum removal.

Tool Package: Includes: One 16" Lawnsweep, One Hose Reel with 50' of 5000 PSI Hose and Flexible Spray Wand with nozzle protector, Two 25' of 3" Suction Hose (Hose to be capable of being connected together, Manuals: One complete Operator's Manual.

Optional Telescopic Hydraulic Boom Boom length is to be 10'6" long in the retracted position and 15'6" long when fully extended, and is to be of a true telescopic tube inside tube design. Boom is to be mounted on the rear of the spoils tank for maximum reach and should utilize greaseable, brass, pivot guides on the base of boom. The four hydraulic functions of the boom are to be: up and down, and extend and retract, with manual rotation of 320 degrees. Controls for the boom will utilize a wireless remote control for the hydraulic functions.