



3828 W Davis, Ste 308, #355
Conroe, TX 77304

AmeriVac MAVAX Model 1400

“Specification Sheet”

Debris Body

- 12 cubic yard capacity (2,500 USG)
- Long tool storage trays above sub-frame on traffic side of vehicle
- Aluminum diamond plate rectangular toolboxes above sub-frame on curbside as space allows
- Aluminum diamond plate rectangular toolboxes above sub-frame on driver’s side as space allows
- All required clearance, indication, and warning lights
- Rotating beacon light
- Single hydraulic lift cylinder to raise to 50 degree dump angle
- Fold down pipe racks on curbside of body to accommodate 26 feet of aluminum extensions and cleaning nozzle
- Vacuum enhancer assembly on debris inlet (to 3200 CFM)
- Two 8” stainless steel shut off balls in debris tank
- Body safety prop
- Debris transfer system. (System powered by reversing the rotation of the rotary blower)
- Centrifugal cyclone debris-separator with clean-out box.
- High performance dust box final filter.
- External debris level indicator.
- Body color to be standard white.

Rear Door

- Full opening with flat profile
- Hydraulic over mechanical latching assembly
- Spill plate
- One 6” bronze gate valve
- Fold down pipe rack

Boom

- 16' Boom (extendable to 21') Reach off side is 18' Reach off back is 12'
- 300 degree rotation mounted on top forward section of debris body
- Stationary pipe section on boom with flexible hose between stationary pipe and inlet elbow and stationary pipe and end
- All connections on hose as well as aluminum extensions to be welded flange with over center quick connect clamps
- Two work lamps mounted on end of boom
- Operator station to be curbside forward
- Boom Forward Position

Water System

- One 1,300 gallon Duraprolene tank
- Water level indicator visible from operator station
- Anti-siphon filling device located in heated enclosure
- Hydrant fill hose @ 25' in length
- Hose reel located in heated chamber with 50' of 3/8" hose with wash-down handgun
- "Hotsy" 400,000 BTU water heater
- **LARGER OPTIONAL HOTSY BOILER AVAILABLE**
- Air purge system plumbed to chassis air system as well as external air supply
- UDOR hydraulic powered water pump capable of 10 GPM at 2,500 PSI
- **LARGER OPTIONAL WATER PUMP AVAILABLE**
- Fresh Water Re-circulation system

Heated Enclosure

- Enclosure contains water tank, water pump, boiler, and all other water lines related to the internal plumbing and valves.
- "TODCO" roll-up doors on both sides of heated enclosed cabinet
- Inside panels of enclosure to be insulated with 1" rigid foam board where feasible
- One large forced air heater in cabinet supplied by chassis glycol engine coolant system
- Enclosure is standard white

Power Train

- Roots 3000 CFM and 16" Hg rated blower, hydrostatically driven
- Blower discharge silencer
- Hydrostatic pump (blower drive) and series mounted pony pump (boom and accessories drive) driven from front of chassis engine crank
- Hydraulic pump (water pump drive) driven by Eaton hydraulic master pump, driven from the front of the chassis engine crank.

Electrical Controls

- All controls mounted in a NEMA 4 enclosure to control boom in/out, boom up/down, boom rotation, chassis engine speed, work lights, vacuum enhancer, blower on/off, rear door open, and debris body up/down
- All above controls to be included in a “Miratron” wireless remote control
- All above controls to be included in a tethered (wired) pendant that can be plugged in as a back up
- Gauges to include blower hour meter, chassis engine gauges, fuel gauge, water tank level, and water pump pressure
- **NOTE: Max RPM while in excavation mode is 1800 RPM – (maximum vacuum)**