



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

AmeriVac MAXVAX Model 700

“Specification Sheet”

DEBRIS BODY

- 6 cubic yard capacity (1250 US gal).
- Storage tray with locking lid above sub-frame on traffic side of vehicle.
- Aluminum rectangular toolboxes above and below sub-frame as space allows.
- All required clearance lighting.
- Rotating beacon mounted on enclosure.
- Arrow board mounted on rear door.
- Single hydraulic lift cylinder to rise to 50-degree dump angle.
- Fold down pipe racks on curbside of body to assist in accommodating the 26 feet of aluminum extensions along with cleaning nozzle.
- Vacuum enhancer assembly on debris inlet
- Two 8”stainless steel shut off balls in debris inlet.
- 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 120-degree coverage.
- One 6” bronze gate valve.
- Fold down pipe rack.
- Door prop

BOOM

- Hydraulically extendable to additional 60"
- Reach is 14' on each side, 12' off the back
- Low profile design with rotation of 250 degrees and mounted on top forward section of debris body.
- Rotating inlet box with rear and top clean out ports.
- 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 clamps.
- Two work lights mounted on end of boom.
- Operator station to be curbside forward.
- Where applicable, all hose connections to be quick clamp rather than bolted.
- Debris inlet fogging system.
- Boom Forward Position

WATER SYSTEM

- One 650 gallon Duraprolene tank
- Anti-siphon filling device located in heated enclosure.
- Hydrant hose 25' length.
- Single hose reel (high pressure only) located in heated chamber with 50' of 3/8" hose and handgun (in lieu of two reel high and low pressure).
- "Hotsy" 400,000 BTU diesel fired water heater.
- Air purge system plumbed to chassis air system.
- "Udor" hydraulic powered water pump capable of 10 gpm at 2500 psi.
- Water recirculating system.
- Gravity feed hand wash station located curbside.
- Parker 4050-5 quick connect fittings
- Water lance package consisting of 3 – 3/4" x 6' quick connect extensions and 2 – 3/4" x 6' digging wands complete with nozzles.

HEATED ENCLOSURE

- Enclosure to contain water tank, water pump, boiler and all other water lines and related plumbing and valving.
- "Todco" roll up doors on curb and traffic side.
- Forced air heater, 80,000 BTU, supplied via chassis glycol engine cooling system with on/off/speed controls in chassis cab.
- Enclosure to be standard white.
- Work lights mounted mid-ship area of enclosure on both street and curb sides.
- Exhaust fan, 12 volt with manual on/off switch on control panel.
- Insulation package complete with foil backing.

POWER TRAIN

- “Roots” bi-rotational 3000 cfm and 16” HG rated blower hydrostatically driven.
- Standard blower discharge silencer.
- Hydrostatic pump (1) (blower drive) and series mounted pony pumps (2) (boom-accessories/water pump) driven from front of chassis engine crank.
- Fan assisted oil/air heat exchanger mounted on street side.
- “Eaton” servo electric actuator with rheostat controls for hydrostat control.

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/speed, water pump on/off rear door open/close and debris body up/down. This enclosure will be mounted in a curbside aluminum toolbox, which will also house the wireless control and hand held pendant control.
 - All boom controls along with water pump on/off; vacuum enhancer open/close and throttle up/down to be included in a hand held pendant “Miratron” with military type plug connector to control enclosure.
 - All boom controls along with water pump on/off, and vacuum enhancer open/close and throttle up/down to be included in a hand held “Miratron” wireless remote control.
 - Gages to include blower hour meter, chassis engine gages (water temperature/oil pressure/voltage), fuel gage, water tank level, water pump pressure and water temperature, debris box pressure (vacuum and positive) and hydraulic oil temperature.
 - Audible alarm for low level in water tank or high hydraulic oil temperature.
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- **NOTE: Max RPM while in excavation mode is 1800 RPM – (maximum vacuum)**