

GENERAL

The unit shall be capable of thoroughly cleaning pavement cracks/joints suitable for proper crack sealing techniques to a minimum depth of one inch by means of vacuum (hand work may be needed to remove vegetation). The unit shall conform to all PM-10 pollution abatement standards. Unit shall be a self-contained design with vacuum and air compressor so hard to clean cracks can be air routed and vacuumed clean in a single operation. A factory-trained representative shall be available for initial start-up and training in the operation of the unit.

CONSTRUCTION

The unit shall be a complete, self-contained unit of heavy-duty construction and mounted on a rigid frame with suitable dimensions and mounting brackets for easy mounting to a standard flat bed truck. All moving parts shall have safety guards and written warnings.

DEBRIS HOLDING TANK

Capacity shall be 150 gallons with a latched and hinged dump door of not less than 16 inches in diameter. The holding tank shall be designed to mechanically unload using an electric/hydraulic power pack.

AIR FILTERING SYSTEM

The unit shall be equipped with a 10 micron (PM 10) filtering system. The single stage pleated, spun bond polyester filter shall be washable and replaceable. Filter shall have 19,600 square inches of filtering surface.

POWER PACK

Power shall be supplied by means of a 59 HP turbo diesel engine complete with a 23-gallon fuel tank and complete engine control panel. The engine supplies power for complete operation of the unit; compressor, blower/vacuum and electric over hydraulic power.

BLOWER (vacuum power) and SILENCER

The blower shall be a positive displacement rotary air blower generating air flow not less than 802 CFM at 2,350 rpm's. The silencer shall be multi-chambered and equipped with a high frequency noise absorption device.

HOSE AND BOOM

The unit shall be equipped with a minimum three inch diameter suction hose attached directly to the vacuum wand. The hose shall include a "cab over" section of ridged three inch tubing to facilitate easy use from the front, side or the rear of the truck. Boom shall rotate 360°.

VACUUM WAND

The suction wand shall be lightweight metal ergonomically designed for operator comfort. The wand shall have replaceable seal brushes and built-in air routing nozzles attached.

AIR COMPRESSOR

The air compressor shall be dual stage with a minimum 28.2 CFM displacement. The compressor will be cycled on and off when air demand is needed. Compressor shall be belt driven by engine.

A 15-gallon (56.8 L) ASME horizontal air tank equipped with an ASME air safety valve set at 200 PSI shall be provided. The tank shall be equipped with a heavy duty airline regulator with pressure gauge to adjust airline pressure and a cable operated drain valve located at the bottom of the tank.

SIZE AND WEIGHT SPECIFICATIONS

The shipping weight is approximately 3,100 lbs. (1,406 kg). The overall length is 13'-9" (420cm), width is 6'-8" (203cm) and height is 6'-6" (197cm).