

PRODUCT SPECIFICATIONS

Hydro-Vac 250 Gallon – Valve Maintenance Trailer

Power Pack		Yes	No	Specify
Engine	Kubota 1.1L, I-3 4-stroke, liquid cooled, IDI diesel engine EPA Tier 4F & EU Stage IIIA emission compliant (trailer #77-000-33)	X		
	Kohler 27 HP [20.1 KW] gasoline, model CH7405 Command Pro27 (trailer #77-000-31)			
Controls	Digital tachometer, engine hour meter, volt meter, vacuum gauge, spoils dump switch, spoils door switch and water/vacuum selector switch	X		
Vacuum Pump	Clutch operated, dual belt drive, positive displacement rotary lobe (Roots Type) blower. Vacuum performance of 500 CFM [14 CMM] @ 11 inches of Hg [37.2 kPa] produces conveying velocity rating of 10,185 FPM [3,104 MPM] through 3" [76 mm] hose	X		
Pressure Washer Pump	Clutch operated, dual belt drive, 2.5 GPM [9.4 LPM] @ 3,000 PSI [206 BAR] pump. 3 gallon [11 L] antifreeze tank with two position selector valve.	X		
Hydraulic System	Direct coupled pump rated at 8 GPM [30 LPM] @ 1,800 PSI [124 BAR] continuous duty. 10 gallon [37 L] hydraulic reservoir with thermostatic controlled fan cooled heat exchanger. Instrumentation includes an oil level gauge, temperature gauge, pressure gauge and selector valve switching to a HTMA class II auxiliary hydraulic circuit.			Optional

Spoils - Rear Discharge (pump specifications in the Power Pack section)		Yes	No	Specify
Debris Holding Tank	250 gallon [950 L] holding capacity. Top hinged full opening dump door with twin hydraulic remote operation door latches, sure seal square gasket, vacuum break valve, 6" [152 mm] mechanical ball shut-off, and 3" [76 mm] dump valve.	X		
Filtration	Staged filtration consisting of a heavy material drop out debris tank and a self-contained multi-stage filter canister with a 10 micron polyester reusable cartridge. All filters washable and reusable.	X		
Dumping	Twin cylinder, electric over hydraulic dump system, powered by Monarch HPU. The slide and tip system moves the tank out before tilting to clear the truck/trailer bed for dumping, then lifts to 55 degrees to drop debris.	X		
Hose and Wands	3" x 20' [76 mm x 6 m] suction hose with 2-1/2" [63 mm], 1 1/4" [31 mm] and 7/8" [22 mm] x 8' [2.4 m] long steel suction wands.	X		

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Pressure Washer (pump specifications in the Power Pack section)		Yes	No	Specify
Water Holding Tank	100 gallon [378 L] clean water holding tank with 8" [203 mm] fill neck.	X		
Hose and Wands	50' [15.2 m] hose on spring rewind hose reel uses quick disconnects to change between the (2) included wands; one with a zero degree nozzle for digging and 45 degree, fan wash down "Shorty" wand.	X		
Water Heater	Used in conjunction with 2.5 GPM [9.4 LPM] at 3000 PSI [206 BAR] pressure washer, diesel fired water heater produces 197,000 BTUs of energy. Adjustable to 210 degrees F [98 degrees C], the unit has flow and temperature limit switches to maintain safe operation.			Optional

Trailer		Yes	No	Specify
Frame	7,000 Lb [3175 Kg] GVWR trailer with single axle, independent torsion wheel suspension with electric brakes. All structural steel construction (no tubing) with metal deck. Tongue weight is 850 Lb [386 Kg] dry.	X		
Lighting	DOT approved LED lighting with Weather Pack environmentally sealed connectors.	X		
Finish	Entire trailer is solvent washed and phosphoric etched. All seams are caulked then a two part urethane paint (color white/black) applied. A durable plastic bed lining product is then applied to trailer deck and fender fronts.	X		
Pintle Hitch	Pintle with Safety Chains	X		
Safety Compliance	Member of the National Association of Trailer Manufacturers (NATM) and verified compliant with NATM Guidelines. Guidelines are a compilation of federal safety standards and regulations along with industry best practices that govern trailer construction. Compliant manufacturers have had a third-party expert verify their processes are designed to produce trailers which meet Federal Motor Vehicle Safety Standards and recommended industry practices. It signifies a commitment to safety.	X		

LX Package		Yes	No	Specify
Job Box	Heavy duty, locking, polished diamond plate job box.			Optional
Service Lighting	Programmable arrow board includes eight function control box with eight individual segments and (2) mounted halogen swiveling work lights			Optional