



MV800

VACUUM EXCAVATOR



Ditch Witch®

MV800

Standard safety features include strobe light, belt guards and mechanical locks on all lift cylinders.

Optional hydraulic opening door is designed for easy spoils removal.

Filtration system includes an integrated carryover chamber that eliminates contaminants before they reach the blower, increasing uptime.

800-gallon (3028-L) spoils tank designed for HDD drilling fluid cleanup jobs.

The punishing conditions of HDD jobsites demand a mud vac you can count on job after job—a perfect description for the ruggedly built Ditch Witch® MV800. Featuring the heavy-duty, field-proven components that keep all Ditch Witch vacs performing strong year after year, the competitively priced and easy-to-operate MV800 offers a dependable Briggs & Stratton® engine, reusable filter and many other cost-efficient, customer-driven features that together translate into the benefit you need most: greater uptime.

Optional reverse flow simplifies spoils removal and improves productivity.

Commercial-grade, 31-hp (23.1-kW) Briggs & Stratton® Vanguard™ gas engine features an electric start and high-capacity remote air intake filter.

Optional 100-gallon (379-L) water tank with 3,000-psi (207-bar) pressure for soft excavation tasks such as potholing utilities.

14,000-lb (6350-kg) GVWR trailer meets federal regulations and federal impact-guard requirements.

DC power pack powers all hydraulic functions; thermal switch provides protection in overload conditions.

Standard curbside controls promote jobsite safety and allow one-person control of all unit functions.





MV800 VACUUM EXCAVATOR

DIMENSIONS

	U.S.	METRIC
Length	208 in	5283 mm
Width	96.5 in	2479 mm
Height	91.5 in	2324 mm
Weight		
No options		
Empty	4,995 lb	2265 kg
All options (water, rev. flow & hyd. door)		
Empty	5,590 lb	2536 kg
Trailer GVWR	14,000 lb	6350 kg

POWER

Engine	Briggs & Stratton® Vanguard™	
Fuel	Gasoline	
Cooling medium	Air	
Aspiration	Natural	
Number of cylinders	2	
Displacement	54.68 in ³	896 cc
Bore	3.37 in	86 mm
Stroke	3.07 in	78 mm
Manufacturer's gross power rating (SAE J1940)	31 hp	23.1 kW
Rated speed	3,600 rpm	
Emissions compliance	EPA LSI	EU Stage II
Fuel tank capacity	6.9 gal	26.1 L

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

VACUUM SYSTEM

	U.S.	METRIC
2-lobe blower displacement	543 cfm	15.3 m ³ /min
Drive type	Belt	
Vacuum, max	15 in Hg	381 mm Hg
Tank outlet valve size	6 in	152 mm
Tank inlet valve size	4 in	102 mm
Tank dump angle	45°	
Filter type	Washable polyester	
Filter area	100 ft ²	9.3 m ²
Water trap capacity	6 gal	22.7 L
Suction hose	25 ft	7.62 m
Hose size, standard	3 in	76 mm

WATER SYSTEM

Water tank capacity	100 gal	379 L
Water pump flow	4 gpm	15.1 l/min
Water pump pressure, max	3,000 psi	207 bar
Hose reel capacity (locking)	50 ft	9.1 m
Clutch type	Electric w/auto de-clutch	
Antifreeze	50/50 water/antifreeze mix	

HYDRAULIC SYSTEM

Power unit	12V DC	
Reservoir size	2 gal	7.6 L
Pressure	2,500 psi	172 bar
Tank dump cylinders (2)	2.5 in	63.5 mm

BATTERY

Electrical system	12V	
SAE reserve capacity rating	120 min	
SAE cold crank @ 0°F (-18°C)	750 amps	

NOISE LEVEL

Suction only		
Sound power	109 dBA	
Sound pressure	79 dBA	

