

850VX

VACUUM EXCAVATOR SERIES



850VX model shown.

FEATURES

- » Patented Viper Pothole Tool available – the fastest, cleanest, easiest-to-use pothole gun in its class.
- » Power by CAT or KUBOTA – unexcelled performance and reliability.
- » Positive Displacement Vacuum Pump – rugged and high performance.
- » Premium silencer package – reduced noise complaints.
- » Compact low profile – good visibility for your driver and stability in rough locations.
- » Rugged construction the way a contractor needs it – heavy duty frames and largest axle capacity in its class.
- » Balanced design with optimum tongue weight – easy on your trucks.
- » Reverse flow is standard – fast tank emptying, blow obstructions out of vacuum hose and back flush the filters for quick-easy cleaning.

AN IDEAL MACHINE FOR

- » Potholing – safely dig test holes in the ground to locate buried utilities for horizontal directional drills.
- » Safe utility locating and/or daylighting.
- » Clean out storm drains, catch basins and valve boxes.
- » Cleaning up drilling fluids and mud.
- » General construction site cleanup.
- » Keyholing or utility microsurgery.
- » Environmental cleanup – everything from hurricane aftermath to oil spills.
- » Slot trenching.

850VX VACUUM EXCAVATOR SERIES

FEATURES	850VLX	850VX	850VX HICFM
Mountings	Trailer, truck & skid mounting	Trailer, truck & skid mounting	Trailer, truck & skid mounting
Spoils Capacity	800 gallons / 3,028 liters	800 gallons / 3,028 liters	800 gallons / 3,028 liters
Water Capacity (gallons / liters)	2 x 250 gallons / 2 x 946 liters	2 x 250 gallons / 2 x 946 liters	2 x 250 gallons / 2 x 946 liters
Optimum & Balanced Tongue Weight	Less than 1,000 lbs tongue weight	Less than 1,200 lbs tongue weight	Less than 1,200 lbs tongue weight
Engine	31 Hp OHV Twin air-cooled gasoline	42 Hp CAT diesel / 64 Hp Kubota diesel; Tier 4F	60/74 Hp CAT diesel / 64 Hp Kubota diesel; Tier 4F
Fuel Tank Capacity (gallons / liters)	8 gallons / 30 liters	29 gallons / 110 liters	29 gallons / 110 liters
Dual LED work lights and strobe	Optional	Standard	Standard
Warranty	One Year	One Year	One Year

OPERATOR CONTROLS

Controls Location	Front curbside with lockable cabinet	Front curbside with lockable cabinet	Front curbside with lockable cabinet
Hour Meter / Tachometer / Vacuum Gauge	Standard	Standard	Standard
Water Supply Reel	Rear Curbside	Rear Curbside	Rear Curbside
Load Level Indicator and Auto Shutoff	Auto Shutoff Only	Sight Glass & Auto Shutoff	Sight Glass & Auto Shutoff
Reverse Flow	Available	Standard	Standard

SPOILS TANK DETAILS

Hydraulic Hoist Unload	Twin cylinder	Twin cylinder	Twin cylinder
Full Opening Rear Door	Hydraulically operated	Hydraulically operated	Hydraulically operated
Rear Door Latch	Manual, power door lock available	Power door lock	Power door lock
Inlet Valve Size / Drain Valve Size	4" / 6"	4" / 6"	4" / 6"

TRAILER DETAILS - HEAVY DUTY 8" C-CHANNEL FRAME

Trailer / Hitch Type	Tandem Axle / Pintle	Tandem Axle / Pintle	Tandem Axle / Pintle
Height / Length / Width (feet / inches)	84" x 22'1" x 95"	91" x 22'1" x 95"	91" x 22'1" x 95"
Empty Weight (lbs / kg)	7,060 lbs / 3202 kg	7,290 lbs / 3306 kg	7,540 lbs / 3420 kg
Gross Vehicle Weight Rating (lbs / kg)	16,000 lbs / 7258 kg	16,000 lbs / 7258 kg	16,000 lbs / 7258 kg
Axles, Capacity and Suspension Type	2 x 10,000 lbs Torsion	2 x 10,000 lbs Torsion	2 x 10,000 lbs Torsion
Tire Size	235/75 R 17.5 Load Range H	235/75 R 17.5 Load Range H	235/75 R 17.5 Load Range H
Trailer Brakes	Never adjust electric	Never adjust electric	Never adjust electric

VACUUM PUMP / BLOWER DETAILS

Vacuum Pump / Blower Type	Positive displacement lobe pump	Positive displacement lobe pump	Positive displacement lobe pump
CFM/ Max Hg	600 CFM / 15" / Roots Blower	600 CFM / 15" / Roots Blower	1,000 CFM / 15" / Roots Blower
Reverse Flow	Available	Standard	Standard
Cyclo-Separator Air Filter Type / Capacity	Cyclo-Separator with 3 micron filter 6,300 sq in capacity	Cyclo-Separator with 3 micron filter 12,500 sq in capacity	Cyclo-Separator with 3 micron filter 16,750 sq in capacity

WATER SYSTEM DETAILS

Water Pressure / Water Supply	3,000 psi / 4.9 gpm	4,000 psi *factory set @ 3,500 psi / 6 gpm	4,000 psi *factory set @ 3,500 psi / 6 gpm
Electronic Low Water Shut-Off	Standard	Standard	Standard
Auto Water Pump Unloader to Reduce Engine Loading & Wear	Standard	Standard	Standard
Water Pump Drive	Belt w/ Electric Clutch	Belt w/ Electric Clutch	Belt w/ Electric Clutch
Water Supply Hose	50' x 3/8" ID	50' x 3/8" ID	50' x 3/8" ID
Water Supply Reel Location	Rear curbside	Rear curbside	Rear curbside
Easy-to-Use Winterize System	Standard	Standard	Standard

OPTIONS

Patented Viper Pothole Tool – Stainless or Dielectric	Recommended	Recommended	Recommended
Curbside Remote Auxiliary Hydraulics	Optional	Optional	Optional
Full Hydraulic Controlled Boom or Manual Boom	Optional	Optional	Optional
Lighted Arrow Bar to Direct Traffic	Optional	Optional	Optional
Removable Water Heater	Optional	Optional	Optional
4" Vac Hose	Available on HiCFM only	Available on HiCFM only	Optional
In Tank Clean Out System	Optional	Optional	Optional
Sewer Jetter	Optional	Optional	Optional