

HYDRO EXCAVATION TRAILER - RATINGS & CONSTRUCTION

	550 JET VAC	850 JET VAC
Trailer - GVWR	13,000 lb.	24,000 lb.
CDL Requirement	non-CDL	CDL
Empty Weight	7,140 lb.	8,820 lb.
Engine - Diesel	2.2L CAT tier 4F industrial, 49 hp, 29 gal. (no DEF required)	
Axles	dual - 6,000 lb. ea.	dual - 12,000 lb. ea.
Tires	ST235/80R16 load range E	235/75R17.5 load range H
Suspension / Brakes	torsion / electric (self-adjusting)	
Hitch / Jack	pintle / 12,000 lb. manual	
Silencer Package (engine cabinet)	standard - exclusive design for superior noise reduction	
Optimum / Balanced Tongue Weight	1,000 lb.	1,560 lb.
Height x Length x Width	88" x 236" x 95"	84" x 264" x 97"
Height - with Manual / Hydraulic Boom	91" / 105"	94" / 103"
Frame Construction (steel)	6" c-channel	8" c-channel
Spoils Tank Capacity (steel)	550 gal. (2.7 cu. yd.)	850 gal. (4.2 cu. yd.)
Fresh Water Capacity (poly)	200 gal.	500 gal.

550 JET VAC: 330 gallon fresh water capacity option uses dual 7,000 lb. axles, requires CDL

NOTE: For more information regarding CDL, GCWR and GVWR, see [49 CFR § 383.91 \(FMCSA\)](#).



VACUUM SYSTEM

Blower	positive displacement
Airflow	1,000 CFM
Vacuum Pressure	15 inHg
Operation	suction & pressure
Air Filter	106 sq. ft. capacity
Vacuum Hose	(2) 25' long, 3" diameter
Hose Connections	Bauer or Camlock

WATER SYSTEM

Water Pump Pressure	3,500 psi
Water Flow	6 gpm
Water Pump Drive	belt w/electric clutch
Low Water Auto Shut-off	standard, electric
Water Supply Hose	50' x 3/8" ID
Water Supply Reel	standard, curbside
Winterization System	standard - easy operation

SPOILS TANK

Dump Angle / Operation	45° / hydraulic
Rear Door	hydraulic, power locks
Inlet Valve / Drain Valve	4" / 6"
Full Level Auto Shut-off	standard
Load Level Indicator	removable sight glass

CONTROLS, GAUGES & LIGHTING

Controls Location	curbside, lockable cabinet
Hour Meter / Tachometer	standard
Vacuum Gauge	standard
Dual LED Work Lights	standard
Strobe Light	standard



Standard Tool Kit

- 5' digging lance
- 5' PVC suction tube
- wash wand
- onboard tool rack

OPTIONS

VIPER Tool (single-person potholing)	recommended
Power Jack - 12,000 lb.	optional
Strong Arm Manual Boom	optional
Hydraulic Boom w/Remote	optional
Tethered Remote Control	optional
Cyclonic Pre-Filter (dust & fines)	optional
Traffic Direction LED Light Bar	optional
Water Heater (clay & cold weather)	optional
Ground Fill Water System	optional
Hose - (2) 25' long, 4" diameter	optional
In-Tank Washout System	optional
(2) 165 gal. Water Tanks (330 gal.)	optional - 550 only
Auxiliary Hydraulic Port	optional
Tires - 14-ply upgrade	optional - 550 only
Second Sight Glass	optional
Engine - diesel (no DEF required)	Kubota or Deutz

MATERIAL WEIGHTS

Material	Wt. / Gal.	Wt. / Cu. Yd.
Spoils / Slurry	10-14 lb.	2,000-2,800 lb.
Fresh Water	8.34 lb.	1,684 lb.
Diesel	7.1 lb.	N/A
Gasoline	6.1 lb.	N/A



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