

HYDRO EXCAVATION TRAILER - RATINGS & CONSTRUCTION

	330 VLX	530 VLX	830 VLX
Trailer - GVWR	7,500 lb.	13,000 lb.	21,000 lb.
Empty Weight - Gas / Diesel	3,940 lb. / 4,460 lb.	5,990 lb. / 6,510 lb.	6,920 lb. / 7,440 lb.
Engine - Gas or Diesel	OHV twin-cylinder air-cooled, 31hp, 8 gal. or 1.1L CAT, 24 hp, 15 gal. (no DEF required)		
Axle(s)	single - 7,000 lb.	dual - 6,000 lb. ea.	dual - 10,000 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		
Tongue Weight - Gas / Diesel	900 lb. / 1,020 lb.	1,020 lb. / 1,140 lb.	1,240 lb. / 1,360 lb.
Height x Length x Width	92" x 195" x 88"	87" x 223" x 79"	88" x 265" x 95"
Height - with Manual Boom	95"	90"	91"
Frame Construction (steel)	6" c-channel	6" c-channel	8" c-channel
Spoils Tank Capacity (steel)	350 gal. (1.7 cu. yd.)	550 gal. (2.7 cu. yd.)	850 gal. (4.2 cu. yd.)
Fresh Water Capacity (poly)	100 gal.	200 gal.	500 gal.

For CDL requirements related to GCWR and GVWR, refer to [49 CFR § 383.91](#) for federal guidelines, and always consult applicable state regulations where the vehicle is being operated.

VACUUM SYSTEM

Blower	positive displacement
Airflow	600 CFM
Vacuum Pressure	15 inHg
Operation	suction
Air Filter (3 filters)	43.59 sq. ft. capacity
Vacuum Hose	(1) 25' long, 3" diameter
Hose Connections	Bauer or Camlock

WATER SYSTEM

Water Pump Pressure	3,000 psi
Water Flow - Gas / Diesel	4.9 gpm / 3.5 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, spider lock
Inlet Valve / Drain Valve	4" / 6"
Full Level Auto Shut-off	standard

CONTROLS, GAUGES & LIGHTING

Controls Location	curbside, lockable cabinet
Tethered Remote Control	standard
Hour Meter	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
Pressurized Tank Offload (blow-out)	recommended
Power Door Lock	recommended
Power Jack - 12,000 lb.	optional
Strong Arm Manual Boom	optional
Traffic Direction LED Light Bar	optional
Tires - 14-ply upgrade for 350 & 550	optional
Sight Glass (spoils load level indicator)	optional

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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