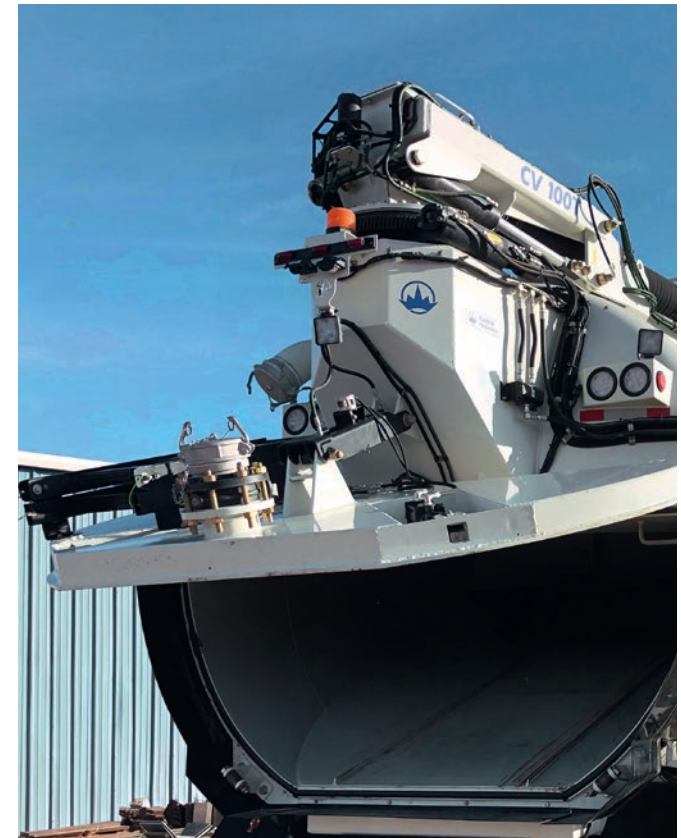


Kaiser. Performance counts.



CV Series[®]

Engineered to move dirt



**HYDRO EXCAVATION
EQUIPMENT**

CV Series[®]

Powerful performance

KAISER Premier's CV Series line of hydrovacacs has been developed and refined over many years. The industry-leading features define new standards in the hydro excavation industry. Every aspect of the hydrovac process was analyzed to ensure that the CV pulls the most dirt in the least amount of time with the most efficient operation possible. All critical components are centralized and housed in an insulated, heated aluminum van body. An optional 700,000 BTU boiler provides hot water functionality. Operators especially appreciate the functional space with access located on both sides of the machine.

The Robuschi RB-DV series of rotary tri lobe PD blowers can operate at high vacuum levels thanks to a patented cooling device that injects atmospheric air. This device allows the blower to operate at maximum vacuum capacity without overheating. RB-DV series blowers can reach vacuum levels of up to 93% on a dead head 27" Hg without the need to inject water or use an upstream heat exchanger, consequently lowering installation and operating costs. Additional blower options include the Robuschi RB DV 125, Robuschi DV 135 or the KAISER 7000i Liquid Ring pump for hazardous environments.

The extendable boom delivers superior reach and mobility. Our unique head-mount design allows 342-degree rotation and a 26' reach or 20' down without adding an extension tube. All functions can be operated via wireless radio remote control for single operator functionality, backed up with concise manual controls if needed. An optional umbilical cord pendant is also available.

Optimized design

The CV Series can be fitted with KAISER Premier's patented hydraulically assisted offload system. This option eliminates impacting overhead obstacles when offloading by avoiding the need to raise the tank. Rather than using gravity alone, the CV series combines mechanical assistance to quickly offload compacted tank debris.

The transfer case is specifically designed for vacuum excavation trucks requiring a highly configurable and easily serviceable gear box. Precision cast iron housing coupled with the use of ball bearings, straight roller bearings and high contact ratio spur gears provide a long service life.



DETAILS AT A GLANCE



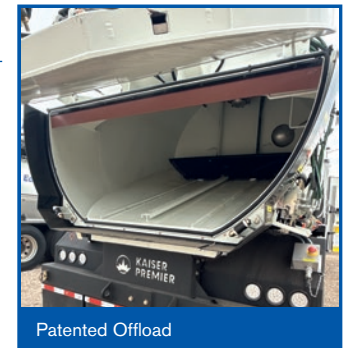
Van Body and Storage



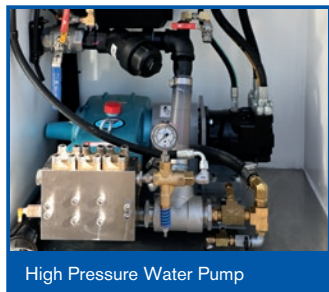
Direct Driven PD Blower



Top Gun Boom



Patented Offload



High Pressure Water Pump



Multiple Axle Configurations



Sludge Pump Option

TECHNICAL SPECIFICATIONS AND EQUIPMENT

	TANDEM + PUSHER AXLE (CV100T)	TRI-DRIVE (CV200)	TRI-DRIVE + PUSHER AXLE (CV200P)
Debris / fresh water*	11.0 yd ³ / 2,100 gal	12.5 yd ³ / 2,300 gal	12.5 yd ³ / 2,300 gal
Dimensions L x W x H**	38' x 8' 6" x 13' 4"	39' 2" x 8' 6" x 13' 3"	39' 2" x 8' 6" x 13' 3"

* Maximum capacity
** Varies based on chassis manufacturer

CONTROL SYSTEMS

- > Anytime hydraulic powered by hotshift PTO
- > Efficient gearing on transfer case allows engine to run in peak power range
- > Transfer case interlock and shift aid, eliminates gears from becoming compromised during operation
- > Passive temperature monitoring of critical systems
- > Back-up on-board controls for all wireless functions
- > Hard wired and electromechanical controls facilitate field diagnosis

RADIO REMOTE CONTROL

- > Suction boom control
- > Water pump speed / pressure control
- > Vacuum breaker control
- > Dump door / lock control
- > Unloading pusher control
- > Engine speed control
- > E-stop

HIGH PRESSURE WATER SYSTEM

- > Cat Pump 3560 high pressure water pump with a system setting of 20 gpm and 3,000 psi (factory settings)
- > Dig hose reel with 75' of 1/2" hose
- > Air power retract hose reel
- > Wash bars inside tank and flush out nozzles in the cyclone
- > Variable speed hydraulic drive

VACUUM PUMPS	ROBUSCHI RB-DV 125	ROBUSCHI RB-DV 135	ROBUSCHI RB-DV 145	KAISER 7000i LIQUID RING
cfm	3,500	5,300	6,600	4,120
Hg	27"	28"	27"	22"

Water system options

- > Secondary digging hose reel (with tools)
- > 100' of 1/2" hose
- > 700,000 BTU certified boiler
- > Upgraded 60 gpm debris body flush system (turbo flush)
- > Alternative pump options available

VACUUM SYSTEM

- > Robuschi RB-DV 145 vacuum blower with a system capacity of 6,600 cfm and 27" Hg max. vacuum
- > Direct drive via split shaft PTO (transfer case)
- > 6 way, extra heavy duty, hydraulic powered boom
- > 32' of 8" suction hose
- > 20' dig depth without hose extension
- > Hydraulic vacuum breaker
- > 10 micron final filter

TANK SUPERSTRUCTURE

- > Divided / integrated water and debris tanks
- > Fixed tank design for better stability in offloading
- > Sloped floor design with optional pusher
- > Heavy duty fenders for storage of tools/extension hose
- > Powder coated inside and outside

General options

- > Mechanically assisted offload
- > Hydraulic trash pump
- > Towing package
- > 3 levels of heat protection for water system
- > Weight scale system
- > Air compressor
- > Additional toolboxes
- > Extended van body

QUICK FACTS

PERFORMANCE



Robuschi RB-DV 145 with a system capacity of 6,600 cfm and 27" Hg

EFFICIENCY



Optimized van body layout delivers easy access and improved productivity

SAFETY

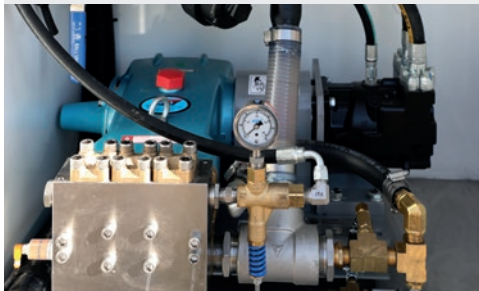


No-tilt hydraulically controlled rear dump door with integrated safety latch

QUALITY



Patented technology – proudly made in the USA



Cat Pump 3560 with a system capacity of 20 gpm and 3,000 psi



Dig-ready boom minimizes setup and teardown time



Dig-ready boom reaches out 26 feet or 20 feet down below ground level without adding extensions



Refined design with proven market-leading components

PURPOSE-BUILT HYDRO EXCAVATORS DELIVERING PROVEN PERFORMANCE.

THE RIGHT KAISER PRODUCT FOR YOUR APPLICATION

Sewer Cleaning Water Recycling



A perfect combination of performance and versatility and a benchmark in the high-performance recycling sector. KAISER PREMIER's equipment has the power you need for the toughest applications. Whether you are jetting through grease or roots in a sewer line, our vehicles can power through.

Hydro Excavation



Setting new standards with superior performance in hydro excavation. With hydro excavation becoming a requirement over traditional excavation in most municipal, utility and infrastructure applications, KAISER PREMIER's hydrovacs are built to meet the most demanding applications.

Mobile Walking Excavator



With independently articulating legs, our Mobile Walking Excavators can traverse job sites that are typically impassable with traditional excavators.



The international focus on modern environmental technologies has led to the growing importance of efficient, high-performance vehicles for sewer cleaning and industrial disposal. The KAISER Group is the leading player in the world market.