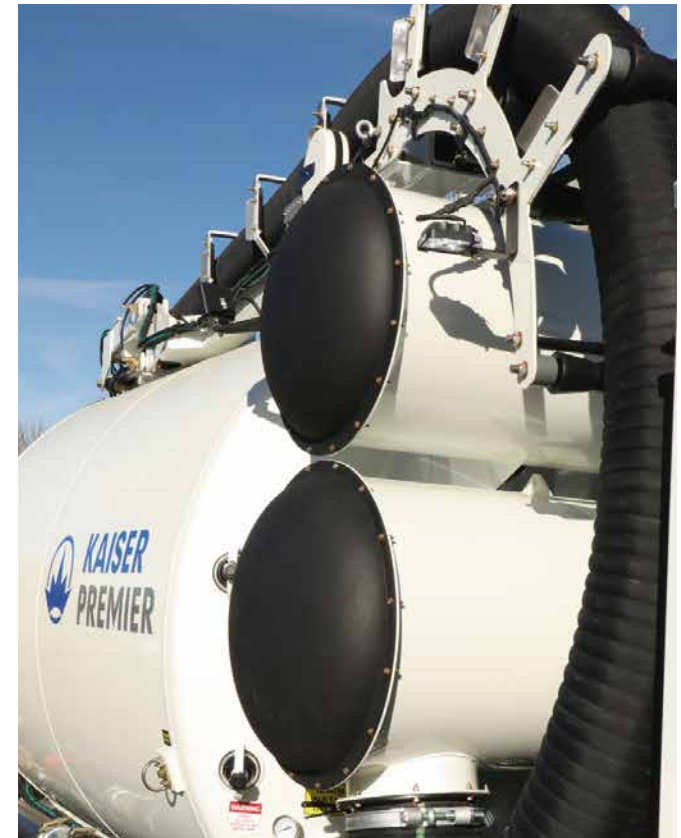


Kaiser. Performance counts.



# *CV Series*<sup>®</sup>

Engineered to move dirt



**HYDRO EXCAVATION  
EQUIPMENT**

# CV Series®

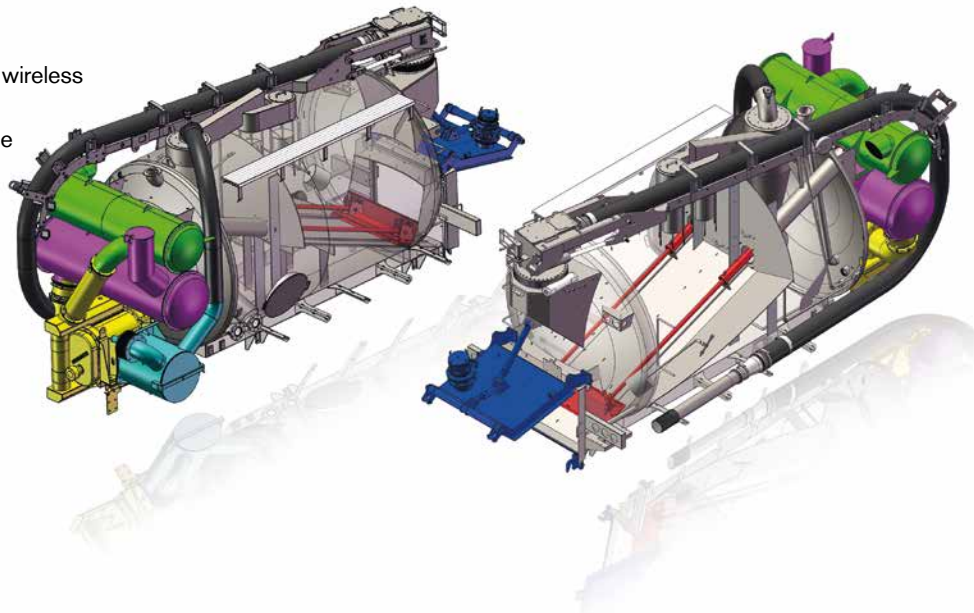
## Powerful performance

The CV Series line of Hydrovacs has been developed and perfected over many years. It sets new standards in 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 safest and most efficient operation possible. All critical components are centralized and housed in an insulated, heated aluminum van body. Operators especially appreciate the functional space located on both sides of the machine.

The RB-DV series of rotary three lobe PD blowers can operate at high vacuum levels thanks to a patented 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.

The extendable boom delivers superior reach and mobility. Our unique head-mount design allows 342-degree rotation and a 26 ft reach.

All functions can be operated via wireless radio remote control for one man operation, backed up with concise manual controls if needed.



## Safe and reliable design

The CV Series uses the patented hydraulically assisted offload method. This design eliminates overhead conflict concerns when offloading by avoiding the need to raise the tank. Rather than using gravity alone, the CV series applies its mechanical advantage to quickly offload compacted tank debris.

To release hot high pressure water the vehicle can be equipped with a 700,000 BTU boiler. Rugged durability, exceptional performance and incomparable service make these boilers the obvious choice.

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 with ease.





# DETAILS AT A GLANCE



Wireless Remote Control



Van Body and Storage



Direct Driven PD Blower



Top Gun Boom



Patented Offload



UL Listed Boiler



High Pressure Water Pump



Multiple Axle Configurations

## TECHNICAL SPECIFICATIONS AND EQUIPMENT

	CV100	CV100T	CV200
Debris / fresh water	13.5 yd <sup>3</sup> / 1,600 gal	13.5 yd <sup>3</sup> / 1,600 gal	13.5 yd <sup>3</sup> / 2,000 gal
Total payload	43,280 lb	43,280 lb	46,600 lb
Dimensions L x W x H	38' x 8'6" x 13'4"	38' x 8'6" x 13'4"	39'2" x 8'6" x 13'3"
Rear axle configuration	Tandem axle	Tandem/pusher axle	Tridrive

### Control systems

- ▶ Anytime hydraulic powered by hotshift PTO
- ▶ Efficient gearing on transfercase 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
- ▶ Redundant controls for all wireless functions
- ▶ Hard wired and electromechanical controls facilitate field repairs/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 system

- ▶ Cat pumps 3560 high pressure water pump with a system capacity of 20 gpm and 3000 psi (factory settings)
- ▶ Dig hose reel with 75' of 1/2" hose
- ▶ Air power retract hose reel
- ▶ Wash bars inside tank and flush out nozzle in the cyclone
- ▶ Variable speed hydraulic drive

### Water system options

- ▶ Secondary digging hose reel (with tools)
- ▶ Secondary steam hose reel (with tools)
- ▶ 100' of 1/2" hose
- ▶ 700,000 BTU certified boiler

### Vacuum system

- ▶ Robuschi RB-DV 145 vacuum blower with a system capacity of 6250 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 means no tipping for safer unloading
- ▶ Sloped floor design with pusher
- ▶ Heavy duty fenders for storage of tools/extension hose
- ▶ Powder coated inside and outside

### General options

- ▶ Hydraulic trash pump
- ▶ Rear steps
- ▶ Rear platforms
- ▶ Towing package
- ▶ 3 levels of heat protection for water system
- ▶ Weight scale system
- ▶ Custom options available

## QUICK FACTS

### PERFORMANCE



Robuschi RB-DV 145 with a system capacity of 6250 cfm and 27" Hg

### EFFICIENCY



Powerful integrated design delivers unmatched productivity

### SAFETY



No-tilt hydraulically controlled rear dump door

### QUALITY



Patented technology – proudly made in the USA



CAT pumps 3560 with a system capacity of 20 gpm and 4000 psi



Fast setup due to system integration and extendable boom



Long reach and range of motion keeps the machine away from hazards



Industrial design utilizing proven market leading components

” **SETTING NEW STANDARDS IN THE AREA OF HYDRO EXCAVATION.**



## KAISER. A SUCCESSFUL FAMILY-OWNED COMPANY FOR OVER 100 YEARS.



**Our value orientation and our capacity to innovate as a family-run business remain to this day the basis for our international success. They form the cornerstones for sustainable development in the future.**

Markus Kaiser



KAISER AG is a family-owned company based in Liechtenstein. Since its founding in 1913, the company has grown into an international industrial enterprise with sites in Liechtenstein, Italy, Finland, Austria, Slovakia, and the United States. It is a history of innovations – The inventive genius enabled KAISER AG to continuously progress and led to the development of entirely new products.

### INTERNATIONAL EXPERIENCE, REGIONAL ROOTS

KAISER has six international locations with a network of over a 100 sales and service partners worldwide. We have vehicles on five continents, in 116 countries, and in over 1,000 cities.

KAISER has numerous years of experience in the US market with MORO KAISER Components and KAISER Excavators. At KAISER PREMIER, which has its own manufacturing facility, the focus is on Hydrovac and recycling vehicles.

