

# Designed to be The New Power in High Vacuum Loaders



**ultraVac**

## HVV 4915 Wet/Dry Vacuum Loader

Hi-Vac, one of the original manufacturers of industrial vacuum loaders, proudly introduces its most powerful Ultra-Vac model to the industry. With an innovative new design, the HVV 4915 has what it takes to get the job done right.

Its 27" Hg vacuum power means less work for the operator and less maintenance. The convex sides of the filtration system components provide structural integrity while helping to prevent material build-up.

And, it delivers the ultimate in material separation. The HVV 4915 was specifically designed with less restriction which greatly increases air flow throughout and reduces differential pressure loss.



### Innovative New Design Features Enhance Material Separation

- **The Cyclonic Ring Prefilter and 10" diameter Inlet Hose** work together to slow the inlet velocity of the material being vacuumed.
- **The 16-foot long Main Payload Compartment** further enhances material separation.
- **Large diameter round Air Ducts between the Main Payload Compartment, Dual Cyclones and Bag-House** provide for more airflow with less restriction which reduces the differential pressure loss in the filtration system.
- **Dual Secondary Cyclones** are utilized to provide fine particle separation prior to the Bag-House Final Filter.
- **Our Bag-House Final Filter System** utilizes 68 snap-ring filter bags providing 445 square feet of filter media.

**Hi-Vac**<sup>®</sup>

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### Tank Design:

Cylindrical, 67" diameter, 16' long with front dished head.

### Tank Material:

.250 Cor-Ten A 242 Steel

### Tank Capacity:

Net, 15 Cubic Yards

### Tank Mounting:

Full length sub frame assembly with six (6) isolation pads.

### Tailgate:

Full open, dished head design with four (4) hydraulic locks, hydraulic raise and lower.

### Primary Shut Off:

Float Ball, 12" diameter mounted in a removable cage.

### Primary Filtration System:

Centrifugal inlet separator, 36" diameter, mounted on the top of the main payload compartment with a 10" port hose and a 10" by 8" reducer. The separator has a bolt-in wear liner and can be removed for maintenance if necessary.

### Single Mode Filtration System:

Dual bolt-on design cyclones with a three (3) cubic yard separation chamber. Single bag-house with 68 snap band design, tubular filter bags, 60" long providing 445 square feet of filter media with 1.5 cubic yards of material storage capacity in the lower section of the bag-house. Air cannon pulsation system. Full length integrated dump tubes under the cyclones and bag-house chambers with 15" cleanout doors on each end.

### Final Filter:

Fine mesh filter screen for blower protection.

### Minimum Chassis Requirements:

- 18,000 lbs. Front Axle & Suspension
- 46,000 lbs. Tandem Rear Axles & Suspension
- 350 Horsepower Minimum
- 192" Clear Cab to Axle

### Total Payload Capacity:

19.5 cubic yards

### Blower Specifications:

Hibon SIAV 8702 Tri Lobe, rated @ 5250 cfm free air flow and 27" Hg maximum vacuum.

### Blower Exhaust Silencer:

Single, frame mounted vertical design with rain cap and drain. Rubber isolation seal between blower and silencer.

### Blower Intake Silencer:

Single, vertical up and away design.

### Blower Drive:

Frame mounted transfer case with air shift controls for engaging and disengaging. Transfer case is rated for 550 Horsepower and 25,000 foot-pounds of torque.

### Hydraulic System:

Thirty-five (35) gallon hydraulic oil tank with replacement element return filter and indicator. Hydraulic hoses are three (3) braid, and rated @3000 psi working pressure. Steel hydraulic tubing is utilized to extend the hydraulic circuits across the sub-frame assembly to the rear of the unit. Hose and tubing connections are JIC type.

### Hydraulic Pump:

Driven from transfer case with air shift engage and disengage.

### Hydraulic Controls:

Three bank control valve for unlocking, raising, lowering and locking of the tailgate and raising and lowering of the module.

### Hydraulic Dump System:

Three stage tri-union mounted hydraulic hoist cylinder, double acting for power up and down.

### Control Panel:

Blower tachometer, hour-meter, hydraulic pressure gauge, blower vacuum gauge, bag-house differential gauge, air pressure gauge, automatic and variable throttle controls, full payload compartment indicator light.

### Trim:

Bolt on rear fenders with mud flaps.

### Lighting:

DOT lighting with two light rear module assembly, clearance lamps, reflectors, three row center markers. Wiring is enclosed in plastic loom.

### Rear Bumper:

Standard tubular bolt-on design.

### Painting:

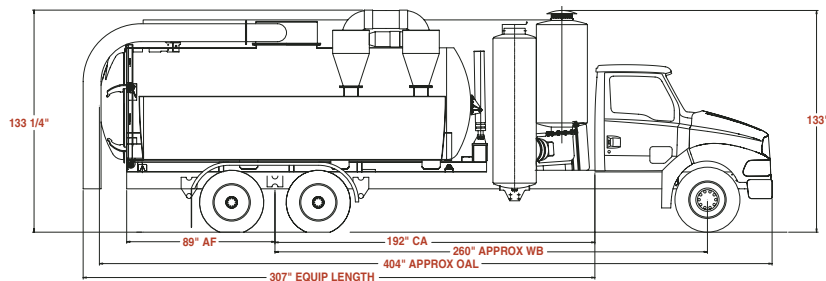
Sandblasted white, two coats primer and two coats of single color urethane paint.

### Additional Items Included:

- Full Load Material Sensor
- 6" Air Operated Vacuum Relief Valve
- Hydraulic Driven Vibrator
- 10" Top Loading Port

### Available Options:

- 8" Hydraulic Loading Boom
- Stainless Steel Construction
- Sludge Pump Offload System



Other Models Available: **ECV 5015** with 10x24, 5700 CFM, 15" Hg Blower • **EHV1-5015** with 10x24, 5200 CFM, 18" Hg Blower