

IL - (847) 841-7867

Distributed by Pump Supply Inc

MN - (651) 758-7867

# Rotary Piston Vacuum Pumps



# hullvaco

IL - (847) 841-7867

[PumpSupplyInc.com](http://PumpSupplyInc.com)

MN - (651) 758-7867

DEDICATED. DEPENDABLE. DYNAMIC. DEKKER.

## Don't Settle For Less Than Dekker®

HullVac rotary piston vacuum pumps are engineered for a long life, top performance, low maintenance and ease of use. DEKKER offers a comprehensive selection of models with valuable features and expert after-sales service, including a standard three-year warranty – the best in the industry.

HullVac Series: Upgrade to a Superior Experience of Products and Service.

**HV Series Single-Stage Rotary Piston Vacuum Pumps (52 to 850 CFM)**  
Perfect for the toughest industrial environments.  
An affordable workhorse.

**HVC Series Two-Stage Rotary Piston Vacuum Pumps (32 to 340 CFM)**  
Perfect when a deeper ultimate vacuum is required. Two-stage enhances capacity below 250 microns and allows full gas ballast operation while maintaining micron range blank off.



**HV635**  
635 CFM  
30 HP  
.045 Torr



**HVC65**  
65 CFM  
5 HP  
.0075 Torr

# Features & Benefits

## IMPROVED MODERN DESIGN

No center-wall bearing | Eliminating this bearing means that the bearing will not be exposed to the pump oil, which could be contaminated leading to reduced bearing life.

## SUPERIOR O-RING SEALING

Side plates feature O-ring seal, which reduces maintenance time and prevents leakage. The bottom of the valve deck also contains an O-ring seal that is easy to replace. Other designs use paper seals, which are inferior and disintegrate causing plugging.

## REDUNDANT SHAFT SEALS

Triple Redundant Viton shaft seals ride on hardened steel sleeves to guard against leakage.

## INTERNAL SEALING FLUID CHANNELS

Sealing oil enters the pumping chambers through internal channels rather than exterior piping that is prone to damage and leakage.

## LARGE SITE PORT

Large diameter glass site port with stainless steel bezel and o-ring seal makes checking oil level and condition easy even when oil is opaque.

## TOUGH VALVE ASSEMBLIES

Heavy duty studs, springs and wear plates are mounted to hardened steel seats designed to prevent broken springs from falling into the pumping chamber.

# Technical Specifications

| Rotary Piston Vacuum Pumps                     | Nominal Capacity (ACFM) | Motor Size |         | Max Vacuum Level (Torr) | Cooling Configuration | Oil Capacity |     | Pump Speed | Weight |      |
|--|-------------------------|------------|---------|-------------------------|-----------------------|--------------|-----|------------|--------|------|
|  |                         | 60 Hz      |         |                         |                       | Ltr          | Gal |            | RPM    | Kg   |
|  |                         | kW         | HP      |                         |                       |              |     |            |        |      |
| <b>Single-Stage Rotary Piston Vacuum Pumps</b> |                         |            |         |                         |                       |              |     |            |        |      |
| HV55A  | 52                      | 2.2        | 3       | 0.0450                  | Air                   | 3.4          | 0.9 | 620        | 172    | 380  |
| HV140A   | 130                     | 3.7        | 5       | 0.0450                  | Air                   | 12.5         | 3.3 | 700        | 362    | 800  |
| HV160  | 150                     | 5.6        | 7.5     | 0.0450                  | Water (1.5 GPM*)      | 15           | 4   | 555        | 453    | 1000 |
| HV412XT  | 300 (340)               | 7.5 (11)   | 10 (15) | 0.0450                  | Water (2.5 GPM*)      | 45.4         | 12  | 635        | 793    | 1750 |
| HV450  | 450                     | 15         | 20      | 0.0450                  | Water (3.5 GPM*)      | 49.2         | 13  | 560        | 1002   | 2210 |
| HV635  | 635                     | 22.3       | 30      | 0.0450                  | Water (5.0 GPM*)      | 56.7         | 15  | 555        | 1270   | 2800 |
| HV850  | 850                     | 29.8       | 40      | 0.0450                  | Water (7.0 GPM*)      | 94.6         | 25  | 500        | 1700   | 3750 |
| <b>Two-Stage Rotary Piston Vacuum Pumps</b>    |                         |            |         |                         |                       |              |     |            |        |      |
| HVC35A   | 32                      | 2.2        | 3       | 0.0075                  | Air                   | 3.4          | .9  | 555        | 172    | 380  |
| HVC65  | 65                      | 3.7        | 5       | 0.0075                  | Water (1.0 GPM*)      | 9.5          | 2.5 | 555        | 340    | 750  |
| HVC100A  | 95                      | 3.7        | 5       | 0.0075                  | Air                   | 12.5         | 3.3 | 700        | 362    | 800  |
| HVC180   | 180                     | 7.5        | 10      | 0.0075                  | Water (2.0 GPM*)      | 24.6         | 6.5 | 555        | 635    | 1400 |
| HVC340   | 340                     | 15         | 20      | 0.0075                  | Water (2.5 GPM*)      | 75.7         | 20  | 615        | 1088   | 2400 |

Voltage is 208-230/460V for all models listed. Consult factory for other voltages.

\* GPM = US Gallons per minute of 60° F cooling water entering the pump.



**DEDICATED. DEPENDABLE. DYNAMIC. DEKKER.**

## Service & Support

At Dekker® Vacuum Technologies, we are committed to optimizing your industrial processes and minimizing downtime. This means providing unrivaled customer service and support through the entire process, from helping you choose the ideal pump for your application to providing the maintenance needed to keep your business growing strong. To ensure the longest life cycle of your vacuum pumps, we highly encourage all our customers to follow the manufacturer maintenance recommendations and using genuine OEM Dekker® spare parts and oils.

## Contact

888.925.5444  
dekkervacuum.com

## Distributed by



**PUMP SUPPLY**  
INCORPORATED

**DEKKER**  
VACUUM TECHNOLOGIES