

HEPA-AIRE H2500IV IntelliVac  
The Ultimate in Portable Power  
Vacuum Technology



HEPA-AIRE® H2500IV IntelliVac: The Ultimate in Portable Power Vacuum Technology



*The high-performance IntelliVac® 'smart' vacuum is the industry's premier duct cleaning vacuum, and the culmination of more than 10 years of refinements and technological evolution.*

### Intelligent: The Vacuum That Thinks On The Job

The sophisticated IntelliVac electronics system continuously monitors a number of operating conditions, such as filter loading, voltage input, and amperage draw. It is the only vacuum that incorporates a micro-processor-based VFD to maximize output and performance by automatically adjusting the speed and amperage draw of the high-performance motor and blower. This ensures the highest possible level of performance without exceeding safe amperage draw. A 'soft start' feature protects against blown fuses and tripped circuit breakers caused by amperage surges.

### Powerful

The H2500IV packs a lot of power — peak airflow of over 2,700 true cfm, & peak static of more than 8 inches - thanks to the high-speed 3-phase motor (3,500rpm), the exclusive AT Gold anodized-aluminum blower, and the performance-enhancing electronics package. The unique AT Gold blower can operate at speeds as high as 5,000rpm, and, unlike plastic blowers, is not susceptible to potential cracking or shattering. The VFD also minimizes airflow losses caused by factors such as filter loading. The result: increased vacuum power throughout the filter loading cycle; faster and more thorough cleaning; extended filter life; lower operating costs; and, higher profits.

### Incredibly Portable

To clean residential HVAC systems efficiently, a vacuum must be portable enough to access air handlers in basements, crawl spaces, or attics. The upright, light-weight, and narrow-profile H2500IV sets the standard here as well. It is ergonomically designed, so one-operator can unload it from a van, and wheel it right to the air handler, even up or down stairs. Thanks to its near-perfect weight balance, it is tilted back and maneuvered with minimal effort. Other features include: four separate detachable modules; large rear wheels with smooth, non-marking tires; non-marking stair climbers; front swivel casters for turning in tight spaces; and upper handle casters for easily rolling it into or out of the van on its back.

### Economical To Operate

With its patented 3-stage filtration system, H2500IV replacement filter costs typically average less than \$1.00 per operating hour. The savings compared to some other vacuums are no small potatoes either; they can add up to thousands of dollars over the life of the unit.

### Reliable and Impressive

The H2500IV is built from only the finest materials, over-engineered components, and top-quality workmanship. It is designed to provide many years of reliable and trouble-free operation, with very minimal maintenance. The high-tech design and quality workmanship also impress customers, and help contractors project a positive, high-quality image. The unique, high-gloss anodized aluminum cabinet material is stronger per pound than steel, corrosion-resistant, easy to clean, and will keep looking good for years.



### Control Panel Features

- Amperage Adjustment Dial
- Ground Fault Circuit Interrupter
- Circuit Breaker
- Hour Meter
- Airflow Compensation
- Filter Status Gauge
- Filter Change Indicator
- Filter Change Audio Alarm
- Audio Alarm Activation

# The Number One Vacuum In The Business.

12" Inlet Collar With Clamp

Inlet Module With First-Stage, Reusable Bag Filter

Solid Rivet Fasteners

Second Module With 65% ASHRAE Pleated Bag Filter

Anodized Aircraft Aluminum Alloy Cabinetry With High-Gloss, Stainless Finish

Top-Hinged Control Panel Access Door With Closure Latch

Power Module With Integral Transport Cart

Recessed Control Panel/UL/CSA Listed Electrical Components

Recessed Bottom Handle For Vehicle Loading (Not Visible)

Compact Footprint, 21"w. x 29"d.



Hinged Access Cover For First Stage Prefilter

Vehicle Loading Casters On Cart Handle (Not Visible)

Recessed Carrying Handles (2) On Each Module

HEPA Module With 99.97% HEPA Filter

Heavy-Duty Locking Cam Latches

Power Module With Integral Transport Cart

Built-In Stairclimber With Non-Marking Belts (Not Visible)

Inboard Rear Wheels With Smooth, Non-Marking Rubber Tires

Hospital-Type Corner Bumpers

360° Front Swivel Casters/Shock Absorbing Mounts

HEPA-AIRE duct cleaning vacuums are manufactured under the following U.S. Patents; 5,069,691; 5,588,985; and 5,593,470.

# HEPA-AIRE Vacuums: Performance & Specifications

	H2500IV	H2500C	H2200	H4500
CABINERY:	High gloss .080 aircraft aluminum with non-marking stainless anodized coating	Satin-coat steel with corrosion-resistant hammerone powder coating	Aluminum with corrosion-resistant hammerone powder coating	High gloss .080 anodized aluminum alloy (same as H2500IV)
WEIGHT and DIMENSIONS:				
Overall Weight Overall Dimensions	180 lbs. 20 5/8"W x 30"D x 58"H	167 lbs. 26"W x 30 7/8"D x 59 1/8"H	95 lbs. 18"W x 22"D x 49 3/4"H	264 lbs. 26 5/8"W x 31"D x 62 1/2"H
Inlet Module Weight Inlet Module Dimensions	17 lbs. 20 5/8"W x 25 1/2"D x 12 1/2"H	31 lbs. 19 1/2"W x 25 1/8"D x 27 1/2"H	n/a	20 lbs. 26 5/8"W x 25 1/2"D x 12 1/2"H
Bag Filter Module Weight Bag Filter Module Dimensions	20 lbs. 20 5/8"W x 25 1/2"D x 14 3/4"H	n/a	n/a	25 lbs. 26 5/8"W x 25 1/2"D x 13 3/4"H
HEPA Module Weight HEPA Module Dimensions	33 lbs. 20 5/8"W x 25 1/2"D x 8"H	n/a	n/a	67 lbs. 26 5/8"W x 25 1/2"D x 13 1/2"H
Power Module Weight Power Module Dimensions	110 lbs. 20 5/8"W x 30"D x 22 3/4"H	136 lbs. 26"W x 30 7/8"D x 31 5/8"H	n/a	152 lbs. 26 5/8"W x 31"D x 22 3/4"H
PEAK BLOWER PERFORMANCE <sup>1</sup> :	2,750 cfm, 8.4 " w.g. static	2,300 cfm, 5.0" w.g. static	1,800 cfm, 5.0" w.g. static	4,100 cfm, 8.4" w.g. static
ELECTRICAL REQUIREMENTS:	115 volt/15 or 20 ampere/60 hz**	115 volt/15 ampere/60 hz	115 volt/15 ampere/60 hz	2 ea. 115 volt/15 or 20 ampere 60 hz circuits ***
MOTOR:	1.5 hp high efficiency w/automatic thermal overload protection	1.5 hp industrial grade high efficiency motor with thermal overload protection	1.5 hp direct drive DC	2 ea. 1.5 hp direct drive DC
BLOWER:	315mm AT Gold backward curved anodized aluminum blower	Same as H2500IV	250mm AT Gold backward curved anodized aluminum blower	2 ea. 315mm AT Gold Blowers (same as H2500IV)
INTEGRAL TRANSPORT CART:	Yes	Yes	Yes	Yes
360° FRONT SWIVEL CASTERS:	Yes	Yes	Yes	Yes
NON-MARKING WHEELS:	Yes, 10" diameter	Yes, 10" diameter	Yes, 8" diameter	Yes, 10" diameter
NON-MARKING STAIRCLIMBER:	Yes	Yes	Yes	Yes
ELECTRICAL CONTROLS:				
Electronic Performance Enhancement	Yes, IntelliVac AC Controller	No	No	Yes, DC Controller (2)
Amperage Adjustment Switch	Yes	No	No	Yes
Main Power Switch	Yes	Yes	Yes	Yes (2)
"Power On" Visual Indicator	Yes	Yes	Yes	Yes (2)
Power Cord Receptacle	Twist-Lock	Hard Wired	Hard Wired	Twist Lock (2)
GFCI	Yes	Yes	No	Yes (2)
Operating Hour Meter	Yes	Yes	Yes	Yes (2)
Motor Amperage Gauge	Yes	No	No	Yes (2)
Magnehelic Gauge	Yes, 0-10" w.g.	Yes, 0-5"	No	Yes, 0-10"

<sup>1</sup> Airflow ratings are based on third party testing conducted @ 115 VAC with clean filters in accordance with generally accepted testing methods using highly accurate electronic flow measurement equipment. Different testing methods may produce higher or lower results. Ratings have been rounded off to the nearest 50 cfm for convenience.  
\*\* 220-230 volt/50hz model also available (Part #H2500TF). \*\*\* 220-230 volt/50hz model also available (Part # H4500TF).

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