



CAPT-AIR®

Continuous Duty Explosion-Proof & Dust Ignition Proof Vacuums

The VHT437 EXP and VHT456 EXP continuous duty vacuums safely collect explosive dust in general cleaning and process-integrated applications. Both vacuums are CSA-certified for use in Class I, Group D and Class II, Group F and G environments.

» Safely Collect Combustible Dust

- 5 HP or 7.5 HP regenerative blower designed for use in explosion-proof / dust ignition-proof applications
- 304 stainless steel filter chamber and collection container reduces the risk of static and percussion arcing
- Antistatic hoses and accessories meet a wide range of hazardous cleaning needs including hard-to-reach areas

» Simplify Maintenance & Reduce Downtime

- TEFC induction motor has few moving parts, requires less maintenance and has a longer service life
- Antistatic polyester star main filter prevents premature clogging
- External filter shaker feature enables the operator to easily clean the main filter

» Decrease Dust Exposure

- Optional upstream HEPA filtration ensures 99.995% of combustible particles are retained, down to and including 0.18 microns
- Downstream ULPA filter available on VHT437 EXP for ultra fine dust and particles

» Easy to Use

- Removable, wheeled collection container allows for easy disposal and emptying of collected materials
- Available with polyliner adapter kit for safer and easier disposal of collected material
- 70 mm inlet, manual motor starter, manometer and 50-foot power cord are all standard



VHT437 EXP



VHT456 EXP



Features & Specifications



Technical Features	VHT437 EXP		VHT456 EXP	
Collection Type	Dry (Wet Option)		Dry (Wet Option)	
Voltage @ 60 Hz	220 / 460 / 575 V		460 / 575 V	
Type of Power	3-phase		3-phase	
Power @ 60 Hz	5 HP (3700 W)		7.5 HP (5600 W)	
Current, max.	11.2 / 5.6 / 4.5 amps		9.5 / 7.6 amps	
Airflow, blower max.	218 CFM (6167 L/min)		367 CFM (10384 L/min)	
Waterlift, controlled	85 in. H ₂ O (2159 mm H ₂ O)		72 in. H ₂ O (1820 mm H ₂ O)	
Container Capacity	26 gal. (100 L)	13 gal. (50 L)	26 gal. (100 L)	13 gal. (50 L)
Main Filter Area	20.99 ft. ² (1.95 m ²)		20.99 ft. ² (1.95 m ²)	
HEPA Filter Area, upstream	37.7 ft. ² (3.5 m ²)		37.7 ft. ² (3.5 m ²)	
HEPA Filter Efficiency	99.995% @ 0.18 microns		99.995% @ 0.18 microns	
ULPA Filter Area, downstream	86.11 ft. ² (8.0 m ²)		-	
ULPA Filter Efficiency	99.999% @ 0.12 microns		-	
Machine Inlet Diameter	70 mm		70 mm	
Dimensions (L x W x H)	50.8 in. x 23.6 in. x 60.6 in. (1290 mm x 600 mm x 1540 mm)	50.8 in. x 23.6 in. x 49.6 in. (1290 mm x 600 mm x 1260 mm)	50.8 in. x 23.6 in. x 60.6 in. (1290 mm x 600 mm x 1540 mm)	50.8 in. x 23.6 in. x 49.6 in. (1290 mm x 600 mm x 1260 mm)
Weight, machine only	458.1 lb. (208 kg)	452.1 lb. (205 kg)	461 lb. (209 kg)	454 lb. (206 kg)
Cord Length	50 ft. (15 m)		50 ft. (15 m)	
Sound Pressure Level @ 1 m	72 dB(A)		77 dB(A)	

Specifications subject to change without notice. The data, characteristics, colors and illustrations are merely indicative and therefore not binding.