

SP-505VFD

RPS PART NUMBER FM34VFD

VENTILATION UNIT



RADIATION PROTECTION SYSTEMS, INC.

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The SP-505VFD HEPA filtration unit has the highest flow rate and static pressure rating available for a unit of its size and weight. With the variable speed model, the user may control the blower speed from 20% to 100% of the base speed. The SP-505VFD out-performs anything in its category and sets the standard for high quality air cleaning equipment in a small, highly-portable package. The hand truck configuration allows operation in either a horizontal or vertical position and facilitates transportation of the unit close to the work site, thereby eliminating the necessity for excessive lengths of flexible duct.

This unit has been evaluated to the applicable CSA standards for use in the United States under product Class 3812-81 (US - Fans and Blowers). Please call for information on VFD units that are CSA approved for use in Canada.

FEATURES:

- Integral stainless steel frame, blower mount and filter retainer assembly capable of operating in either a horizontal or vertical position.
- Motor: 3/4 HP 3450 RPM.
- Blower: direct drive, non-overloading, with back curved blades and aluminum housing and wheel, AMCA Class B. Rated at 515 CFM @ 1" static pressure water gage (sp.wg.) and 347 CFM @ 4" sp.wg.
- NEMA 4x variable frequency drive with push-button control, rated for 3/4 HP.
- HEPA filter: metal framed, 14" x 14" x 17" with integral inlet plenum and inlet connector for 6" diameter flex duct. Filter rated at 300 CFM @ 1" sp.wg. and 99.97% efficient for 0.3 micron particles. DOP tested at 100% and 20% of rated flow.
- Prefilter, Multi-density (coarse to fine) Polyester Media, with impregnated tackifier on the outlet side, 89% average resistance (MERV 8), 12.5" x 12.5" x 2".
- Minihelic gage: 0-10" water gage.
- Dimensions: 38" L x 19" W x 19" H; Weight: approx. 140 lbs.
- Electrical Rating: 120/230V, 11/5.5A, 1 phase, 60 Hz.

SPARE PARTS:

- [HEPA Filter - AK36](#)
- [Prefilter - AK37](#)

NOTE: Information provided is subject to change. Please contact RPS directly for recent modifications.



SP-505VFD FAN CURVE

