

PFB-2500VFD

RPS PART NUMBER FM03VFD

VARIABLE SPEED VENTILATION UNIT



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The PFB-2500VFD filtration unit is a cost-effective and versatile portable ventilation system. With the variable speed model, the user may control the blower speed from 20% to 100% of the base speed. High flow capability and four 8" inlet adapters allow multiple tasks to be performed from a central location. The dual HEPA filter housing is designed to extend HEPA filter life when using dual high-flow 1500 or 2000 CFM rated filters. Air flow up to 2500 CFM, long-term filter life and stainless steel construction make this ventilation unit an excellent choice for handling multiple long-term tasks in highly contaminated areas.

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:

- Heavy-duty platform cart with heavy-duty locking casters (two rigid, two swivel).
- A 7.5 HP, 3525 RPM, totally enclosed fan cooled motor. Direct drive mounted to a back-curved, non-overloading aluminum blower. Hand guard and 8" flex duct adapter with adjustable flow capability on blower discharge.
- Blower rated at 2750 CFM @ 1" static pressure water gage (sp.wg) and 1900 CFM @ 7" sp.wg.
- NEMA 4x variable frequency drive with push-button control, rated for 7.5 HP.
- Two metal framed single gasket HEPA filters with wire face guards, 24" x 24" x 11.5" rated @ 2000 CFM @ 1.35" wg., 99.97% efficient for 0.3 micron particles. Aerosol tested at 100% and 20% of rated flow. Integral stainless steel inlet, outlet and filter housing.
- Four inlet connections in vertical orientation with adjustable flow dampers and a roll bead for 8" flex duct.
- Prefilter, cotton synthetic blend, 24" x 24" x 2" thick, MERV 8 rating, UL Class 2.
- Magnehelic gages for monitoring differential pressure across each HEPA and prefilter section.
- Approximate Dimensions: 108.5" L x 32" W x 74" H.
- Electrical Rating: 230/460V, 18/9A, 3 phase, 60 Hz.

SPARE PARTS:

- [HEPA Filter - AK55](#)
- [Prefilter - AK64](#)
- [Hose Clamp, 8" - CL05](#)
- [Replacement Bags, HEPA - AB21](#)
- [Replacement Bags, Prefilter - AB20](#)

OPTIONS:

- [Sound Attenuator - AH10](#)
- [Pleated Charcoal Prefilter - AK1338](#)

NOTE: Three phase plug by customer.

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



PFB-2500VFD Fan Curve

