

# PFB(H)-2500VFD

## RPS PART NUMBER FM05VFD

### VARIABLE SPEED VENTILATION UNIT



The PFB (H)-2500VFD HEPA filtration unit is the first choice in high volume, high performance air cleaning equipment. With the variable speed model, the user may control the blower speed from 20% to 100% of the base speed. Size for size, pound for pound, the PFB (H)-2500VFD is the most powerful portable HEPA filtration unit available. The housingless design reduces weight and cost without compromising performance or safety. The high efficiency blower overcomes filter loading and flex duct flow losses to make sustained high flow operation with extended hose lengths possible.

This unit has been evaluated to the applicable CSA standards, for use in Canada and the United States under products:  
CLASS 3812-81-Fans and Blowers, Certified to US and Canadian Standards, CLASS 3812-01-Fans and Blowers.

#### FEATURES:

- Heavy-duty platform cart with heavy-duty locking casters (two rigid, two swivel).
- "Housingless" design to eliminate filter housing. Filter platform equipped with pivoting inlet plenum, fixed outlet plenum and "T" Bolt filter retention/compression mechanism.
- A 7.5 HP, 3525 RPM, totally enclosed fan cooled motor. Direct drive mounted to a back curved, non-overloading aluminum blower, with hand guard and 8" flex duct adapter on blower discharge.
- Blower rated at 2750 @ 1" static pressure water gage and 1900 @ 7" sp.wg.
- NEMA 4x variable frequency drive with push-button control, rated for 7.5 HP.
- Metal framed HEPA filter with wire face guards, 24" x 24" x 11.5" rated 2000 CFM @ 1.35 sp.wg. 99.97% efficient for 0.3 micron particles. Aerosol tested at 100% and 20% of rated flow.
- 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: 64" L x 26" W x 38".
- Electrical Rating: 230/460V, 18/9A, 3 phase, 60 Hz.

#### SPARE PARTS:

- [HEPA Filter - AK47](#)
- [Prefilter - AK64](#)
- [Hose Clamp - CL05](#)

#### 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.

# RPS

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PFB(H)-2500VFD Fan Curve

