



# CARRIER OPTICLEAN™

NEGATIVE AIR MACHINE  
FN1SXF005000 – NOMINAL 500 CFM

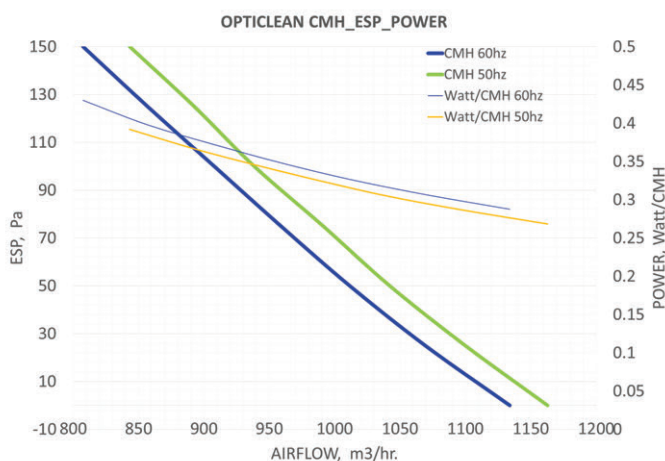


The Carrier OptiClean™ negative air machine is a portable, nominal 500 CFM solution primarily designed to help convert normal hospital rooms into airborne infectious isolation rooms (AIIR). Designed to comply with ASHRAE's Standard 170 for Ventilation of Health Care Facilities, the Carrier OptiClean™ uses a 99.97% efficient filter and a heavy duty, yet quiet, motor to remove filtered contaminated air from the room. The resulting negative air pressure, or "vacuum effect," helps limit the spread of airborne contaminants into surrounding areas. If negative pressure is not required, such as an open-air, temporary hospital, the machine can be used as an air "scrubber," pulling air in, removing many contaminants, and discharging cleaner air back into the space.

## Product Highlights and Specifications

- 99.97% efficient, long-life HEPA filter removes particles as small as 0.3 microns.
- Pleated synthetic MERV 7 pre-filter.
- Nominal 500 CFM.
- Meets ASHRAE Standard 170: Ventilation of Health Care Facilities.
- HEPA filter rack and sealing design meets filter air by-pass leakage Class F9 EN 1886.
- Vertical design for smaller footprint.
- Portable and adaptable to nearly any appropriately-sized location.
- Heavy-duty, lockable casters for easy transport.
- Red filter indicator light alerts user when it's time to replace a filter.
- Green on/off switch illuminates when the unit is on and operating.
- 3 meters long power cord with strain relief.
- Exhaust transition plate to standard 10-inch round (005 size).
- Galvanized steel, powder painted cabinet is fully insulated.
- 230V/50hz/60hz/1-ph.
- Cabinet dimensions, cm: 44.5W x 56D x 126H.

Opticlean™ CFM, ESP, Power



Airflow performances curve with factory installed filters (MERV 7 and HEPA H13), 230V, without duct.

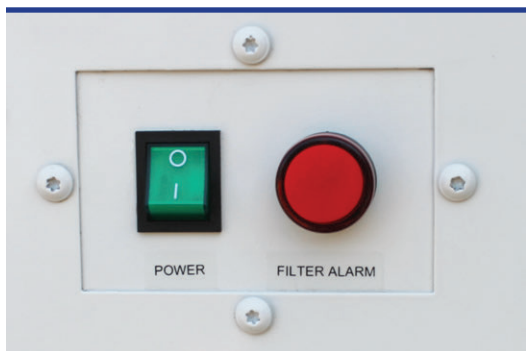


# ADDITIONAL PRODUCT DETAILS

## Pre-Installed Filters

- The Carrier OptiClean™ ships with two filters pre-installed for your convenience: synthetics pleated MERV 7 pre-filter and a HEPA H13 filter.
  - MERV 7 pre-filter recommended replacement is 60-90 days.
  - The long-life HEPA filter provides approximately 40,000 hours of operation, or four years, under normal operation and maintenance\*

\* Applies to negative air machine applications only.  
Filter life in air scrubber applications would be reduced.

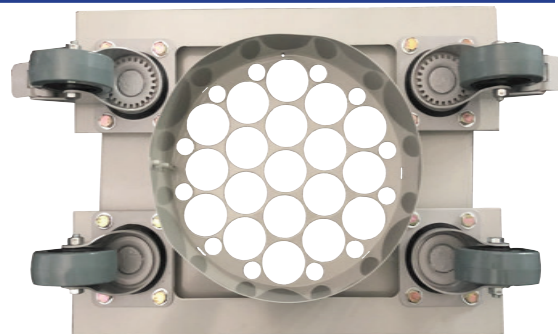


## Multi-Function Control Panel

- On/Off Switch – A green on/off switch illuminates when the unit is on and operating.
- Filter Alert – A red light illuminates when it is time to check and/or replace one or both of the unit's filters.
- Pressure Indicator – Compares room/ambient pressure versus internal pressure on the back side of the HEPA filter. Sets off the red indicator light when the filters are dirty.

## Some Assembly Required

- Locking casters and round or oval duct transition assembly are shipped with every unit.



HEALTHYBUILDINGS

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