



Turn to the experts

FN1AAF OPTICLEAN™ NEGATIVE AIR MACHINE SIZES 005-015

- BLOWER AND MOTOR DATA**
- FILTER DATA**
- ELECTRICAL DATA**
- DIMENSIONAL AND WEIGHT DATA**
- FAN PERFORMANCE**



JOB NAME:	LOCATION:	
BUYER:	BUYER PO #:	CARRIER#:
UNIT NUMBER:	MODEL NUMBER:	
PERFORMANCE DATA CERTIFIED BY:		

DESCRIPTION

The OptiClean™ Negative Air Scrubber Machine is a portable solution that rolls easily into any room and plugs into a standard electrical outlet to quickly help improve indoor air quality in commercial applications such as K-12 classrooms, assisted living areas, dentist offices and open-air, temporary medical facilities. It uses 99.97% efficient, long-life (~40,000 hour) HEPA filters to remove particles as small as 0.3 microns, then discharges cleaner air back into the room.

FEATURES

- 99.97% efficient long-life HEPA filter removes particles as small as 0.3 microns
- Standard MERV 7 or higher pre-filter available locally
- 005 size has minimum 500 cfm
- 006 size has low-medium-high switch and airflow range of 200-600 cfm
- 015 size maximum 1,500 cfm
- Meets or exceeds ASHRAE Standard 170: Ventilation of Health Care Facilities
- Vertical design for smaller footprint
- Portable and adaptable to nearly any location
- Heavy duty locking casters for easy and smooth transport
- HEPA filter rack and sealing design meet air leakage requirement
- Red lighted indicator to alert user when filters are overloaded (generally means pre-filter requires replacement)
- Green ON/OFF switch illuminates to verify when running
- 3-second motor start delay
- 3-speed selector switch 015 size for various air flow ranges
- 10-foot long power cord with strain relief
- 115 volt operation
- Galvanized steel, pre-painted cabinet is fully insulated
- Exhaust transition plate to standard 10-inch round duct included (005/006 size) or 12-inch oval (015 size) duct included
- One year limited warranty
- UL Listed

SUBMITTAL DATA

Job Name _____
 Architect _____
 Engineer _____
 Contractor _____
 Unit Designation _____

BLOWER AND MOTOR DATA

	005, 006 Size	015 Size
Air Discharge	Vertical	
Air Intake Dimension (thru-bottom) in. (mm)	15-1/2 x 19-13/16 (387 x 503)	19 x 19-13/16 (483 x 503)
Blower Type	Direct Drive	
CFM (Nominal)	500	500 / 1000 / 1500
Motor Type	ECM	
Motor HP	3/4	1
Rated RPM		1500

FILTER DATA (FACTORY INSTALLED)

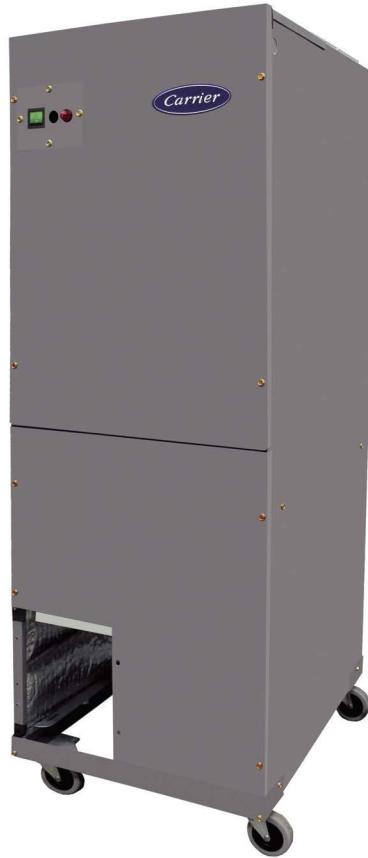
	005, 006 Size	015 Size
Pre-Filter (in.)	16 x 20 x 2	20 x 20 x 2
HEPA Filter (in.)	16 x 20 x 12	20 x 20 x 12

ELECTRICAL DATA

	005, 006 Size	015 Size
Voltage		115
Hz		60
Amps	5.0	12.0

Power Supply to Unit 115 Volts 1 Phase 60 Hz Amps

DIMENSIONS AND WEIGHT DATA



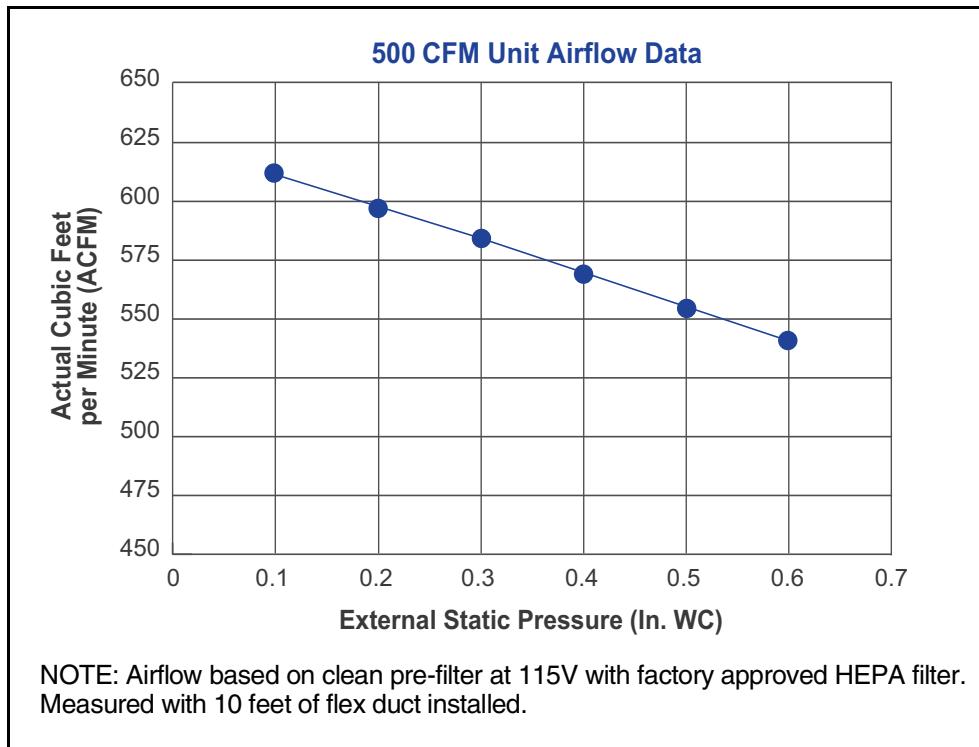
MODEL SIZE	DIMENSIONS - inches (mm)			UNIT OPERATING WEIGHT lbs (kg)
	Height*	Width	Depth	
005, 006	49-5/8 (1260.5)	17-5/8 (447.7)	22-1/6 (560.4)	125 (56.7)
015	53-7/16 (1357.3)	21-1/8 (536.6)	22-1/6 (560.4)	150 (68.0)

* Height without casters. Add 3-5/8 in. (92.1 mm) when casters are installed.

FAN PERFORMANCE

Static Pressure — 005 Size

External Static Pressure (ESP)	0.1	0.2	0.3	0.4	0.5	0.6
Actual Flow (CFM)	613	598	583	568	554	539

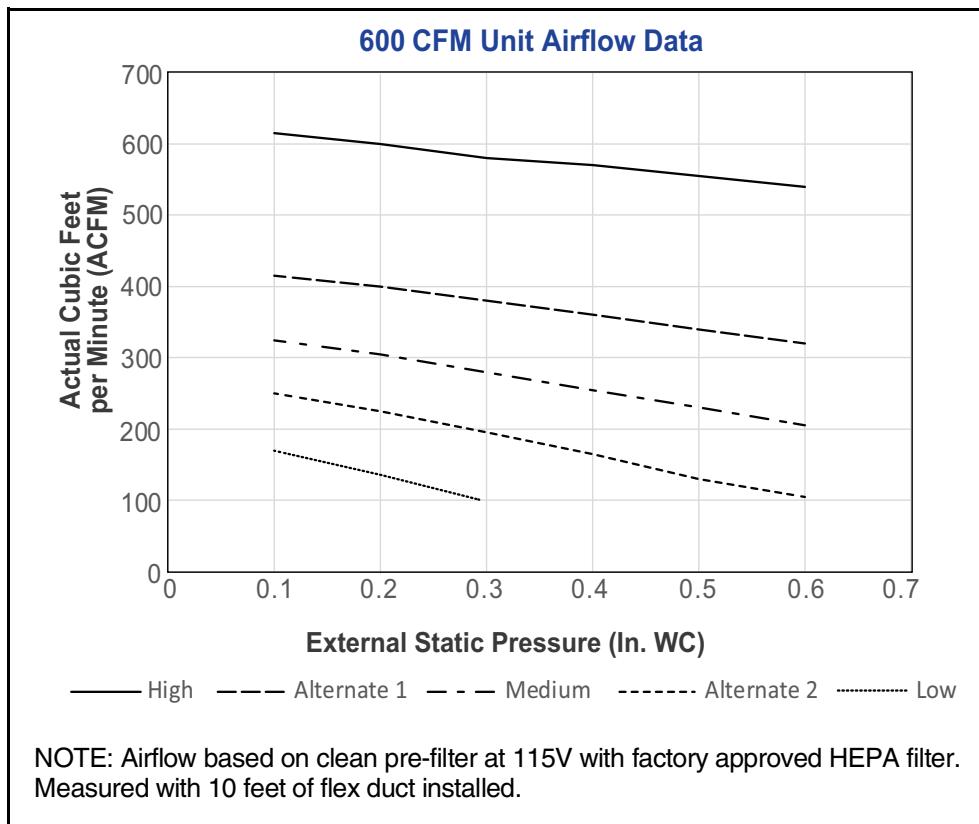


FAN PERFORMANCE (CONT)

Static Pressure — 006 Size

FAN SPEED	MOTOR TAP NUMBER	UNIT AIRFLOW DATA (CFM)						
		External Static Pressure (inches of water column)						
		0.1*	0.1	0.2	0.3	0.4	0.5	0.6
High	5	696	615	600	580	570	555	540
Alternate 1	4	510	415	400	380	360	340	320
Medium	3	407	325	305	280	255	230	205
Alternate 2	2	329	250	225	195	165	130	105
Low	1	221	175	140	100	—	—	—

* CFM with accessory air diffuser (no adapter plate).



FAN PERFORMANCE (CONT)

Static Pressure — 015 Size

FAN SPEED	MOTOR TAP NUMBER	UNIT AIRFLOW DATA (CFM)						
		External Static Pressure (inches of water column)						
0.1*	0.1	0.2	0.3	0.4	0.5	0.6		
High	5	1500	1510	1470	1435	1400	1365	1340
Alternate 1	4	1295	1325	1300	1275	1255	1225	1200
Medium	3	1100	1140	1115	1090	1065	1030	1005
Alternate 2	2	870	915	885	860	830	800	770
Low	1	610	625	585	555	520	490	455

* CFM with accessory air diffuser (no adapter plate).

