

In-Room Air Purification Unit Specifications

In-Room Air Purification Unit

JADE Model: SCA5000C



Benefits to Staff & Students

- 99.97% efficient, long-life HEPA filter removes particles as small as 0.3 microns
- Standard MERV 7 or higher pre-filter
- Minimum 200 CFM, maximum 1500 CFM
- Meets or exceeds the ASHRAE Standard 170: Ventilation of Health Care Facilities
- HEPA filter rack and sealing design meet air leakage requirement
- Vertical design for smaller footprint compared to many competitors and can be mounted and operated horizontally when necessary
- Portable and adaptable to nearly any appropriately-sized location
- Heavy-duty, lockable casters for easy transport
- 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 on 006 and 015 models for various air flow ranges
- 10-foot long power cord with strain relief
- Exhaust transition plate to standard 10-inch round (005/006 sizes) or 12-inch oval (015 size) duct included
- Maximum air cleanings per hour = .5
- Galvanized steel, pre-painted cabinet is fully insulated
- SIZING:
 - Average Lecture/Lab is 900 square foot sized bedroom with a 10 ft high ceiling, your room is 9,000 cubic ft. For two air cleanings per hour you will need to move 18,000 cubic feet per hour of air through the filters. Since CADR is measured per minute, you would then divide 18,000 by 60 to get to 300 CADR. Each Lecture/Lab requires two units.

Estimated Costs

Jade Air Purifier SCA5000C	ea	730	\$ 1,997	\$1,457,810
Hepa Filter (Changed twice per year)	ea	1460	\$ 149	\$ 217,540
Charcoal Filter (Changed twice per year)	ea	1460	\$ 79	\$ 115,340
Germicidal UV Light Bulb (Changed Annually)	ea	365	\$ 46	\$ 16,790
Lecture/Lab/Library	365			
TOTAL				\$1,807,480