



Why are air exchange rates important?

Providing cleaner air in a room can help improve the indoor air quality for your employees and customers. Air change rates are measures of the number of air changes per hour (ACH). A higher ACH means that the air within a room is being filtered and replaced by cleaner air which can help reduce exposure to select airborne pathogens¹.

Determine how many OptiClean™ Air Scrubbers your space would need based on the size of your space (in ft²) and desired air changes per hour (ACH). Note that the number of units is based on units being operated at the highest fan speed, and assuming a room height of 10 feet. ASHRAE has general HCH recommendations for the following space types²:

- **4 ACH:** Classrooms and Universities
- **6 ACH:** Other Commerical Applications
- **12 ACH:** Healthcare Facilities



		4 ACH	6 ACH	12 ACH
OptiClean 600 CFM	100 - 600 ft ²	1 unit	1 unit	2 units
	601 - 900 ft ²	1 unit	2 units	3 units
	901 - 1,800 ft ²	2 units	3 units	6 units
OptiClean 1500 CFM	100 - 2,250 ft ²	1 unit	2 units	3 units
	2,251 - 4,500 ft ²	2 units	3 units	6 units
	4,501- 6,500 ft ²	3 units	5 units	9 units

**Largest square footage based on highest fan setting*

The OptiClean Air Scrubber is intended for commercial applications only and is not recommended for residential use. Please visit our [CarrierAtHome.com](#) website for residential indoor air quality products.

¹<https://www.epa.gov/coronavirus/air-cleaners-hvac-filters-and-coronavirus-covid-19>

²ACH [and sizing] recommendations are developed by ASHRAE and provided for informational purposes only. Please consult with an indoor air quality expert for advice on ACH and sizing requirements.

Need more help?

For more information about Carrier equipment or service, connect with your local Carrier expert. Enter your zip code at [carrier.com/expert](#)

