Carrier® Smart Air Purifier
RMAP-SST & RMAP-SXL

Turn to the experts

Product Data

A210027

CARB Certified
Air Cleaning Device

A210029

Features / Benefits

Advanced Filtration — 3-in-1 high-efficiency filter includes a pre-filter for large particles, a HEPA filter for fine particles and an activated carbon filter for odors and VOCs. All-in-one filter makes replacement that much easier. This HEPA filter captures 99.97% of particles sized 0.3 microns.

Air Quality Monitoring — Get instant air quality feedback from the built-in, easy-to-read air quality monitor - which continuously samples air for irritants and pollutants so you can better know your air. The LED screen on the monitor changes colors based on your current air quality.

Smart Home Integration — Use the Carrier Home app to operate your air purifier and monitor your home's air quality from anywhere.[1] And connect your device to Amazon Alexa or Google Assistant for voice control.

Smart Auto Mode — Automatically adjusts between 18 fan speeds based on the air quality level detected in the room, optimizing delivery of cleaner, healthier indoor air.

CADR Ratings — High CADR ratings for pollen, dust and tobacco smoke, based on third-party verification, provide quick recirculation of cleaner air back into the room[2].

360-Degree Airflow — A powerful, 18-speed fan with 360-degree airflow pulls polluted air from below and returns cleaner air back into the room in multiple directions.

Safety Lock Feature — Set your purifier to the preferred levels and then turn on the safety lock to prevent children from operating the unit.

Portable — Includes caster wheels that allow you to easily relocate the air purifier to a different living space in your home.

About the Carrier Smart Air Purifier

The Carrier Smart Air Purifier offers a simple, cost-effective way to improve the quality of your indoor air in almost any room in your home. Its high-performance fan and HEPA filtration system extract airborne pollutants and deliver cleaner air in every direction, while easy-to-change filters make it a low-maintenance solution for busy households.

Ideal for bedrooms, family rooms, playrooms or any other area of your home needing cleaner air, the Carrier Smart Air Purifier has been independently tested and certified by the Association of Home Appliance Manufacturers (AHAM).

The Carrier Smart Air Purifier combines three different filtration technologies to create healthier indoor air. First, a pre-filter removes large airborne particles like dust, dirt and pet dander. Then, the advanced HEPA filter captures 99.97% of particles sized 0.3 microns, including pollen, smoke, and other allergens. Finally, an activated carbon filter removes odors from your room's air.

The low maintenance, easy-to-change filter should be replaced every 6-12 months based on usage. Simply replace the filter when the filter icon illuminates on the display.

Unlike many air purifiers that only pull air from one side, the Carrier Smart Air Purifier features a powerful fan with 360-degree airflow to pull polluted air from multiple directions and return cleaner air all around the room. 18 different speed settings offer superior control, allowing you to adjust the fan to best meet your room's size and your current air quality needs.

And for busy households, Smart Auto Mode offers a great "set-and-forget" setting that automatically manages airflow based on the sensor reading.

1. Wi-Fi® connection required. Works with Alexa and Google Assistant and select Apple and Android™ mobile devices. Free Carrier Home App download required. See User Guide at carrierathome.com for more details.
2. https://ahamverifide.org/ahams-air-filtration-standards/

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Table 1 – Specifications / Model Size

SPECIFICATIONS	RMAP-SST	RMAP-SXL
Max Room Size, Sq. Ft.	430	560
Filtration Efficiency	HEPA captures 99.97% of particles sized 0.3 microns	
Sound Level, dB – Low to High	30 – 52	28 – 56
Voltage **Watts** **Current**	120V Single Phase 60Hz 30W 0.38A	120V Single Phase 60Hz 42W 0.53A
Annual Energy Use (kWh/year)	154	229
Cord Length, In (mm)	78 (1981)	
Sensors	PM 2.5 and VOC	
CADR, Ft^3/Min	Tobacco—282 Dust—281 PM2.5—282 Pollen—315	Tobacco—365 Dust—385 PM2.5—375 Pollen—427
Replacement Filter P/N **Size, In (mm)**	RMAPFIL-HST 12.4 x 12.4 x 13.6 (315 x 315 x 345)	RMAPFIL-HXL 12.4 x 12.4 x 18.6 (315 x 315 x 472)
Weight, Lb. (kg)	23.8 (10.8)	26.6 (12.1)

Table 2 – Indoor Air Quality (IAQ) Status Indicator

IAQ	Color	Air Quality	Dust Density*	VOC Density
Level 1	Green	Good	0-12	Low
Level 2	Yellow	Normal	13-35	Medium
Level 3	Orange	Bad	36-55	High
Level 4	Red	Very bad	Equal or above 56	Very High

*. PM 2.5 reading, ug/m^3

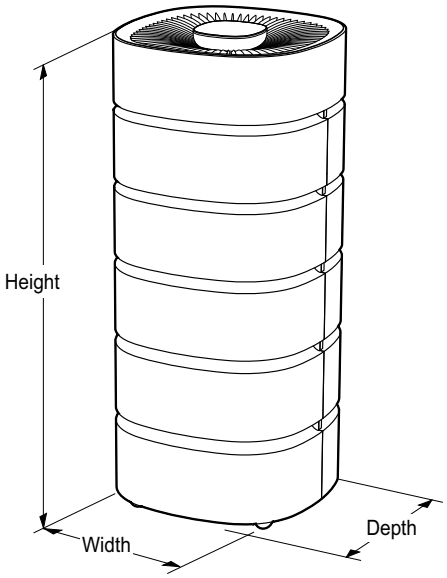

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Fig. 1 – Dimensions (refer to Table 3)

Table 3 – Unit Dimensions (W x D x H) in. (mm)

RMAP-SST	RMAP-SXL
13.7 x 13.7 x 26.5 (350 x 350 x 675)	13.7 x 13.7 x 31.5 (350 x 350 x 800)

Certifications

- Energy Star® certified for energy efficiency
- CARB-certified air cleaning device
- AHAM® verified for performance
- FCC and IC compliant for radiation limits
- ETL listed for product safety

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Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.