



# MAXIMIZE CLEAN AIR

# SOLUTIONS

## 3-IN-1 IN-DUCT AIR TREATMENT

**THREE-STAGE AIR TREATMENT** The Rheem 3-in-1 Electronic Air Cleaner utilizes the latest in contamination control technology to reduce indoor pollution. It addresses all three classes of airborne contaminants: particulates, microbes and chemicals (volatile organic compounds). These include small dust particles, airborne fungi\*, bacteria, viruses and chemical based odors.

### How it works

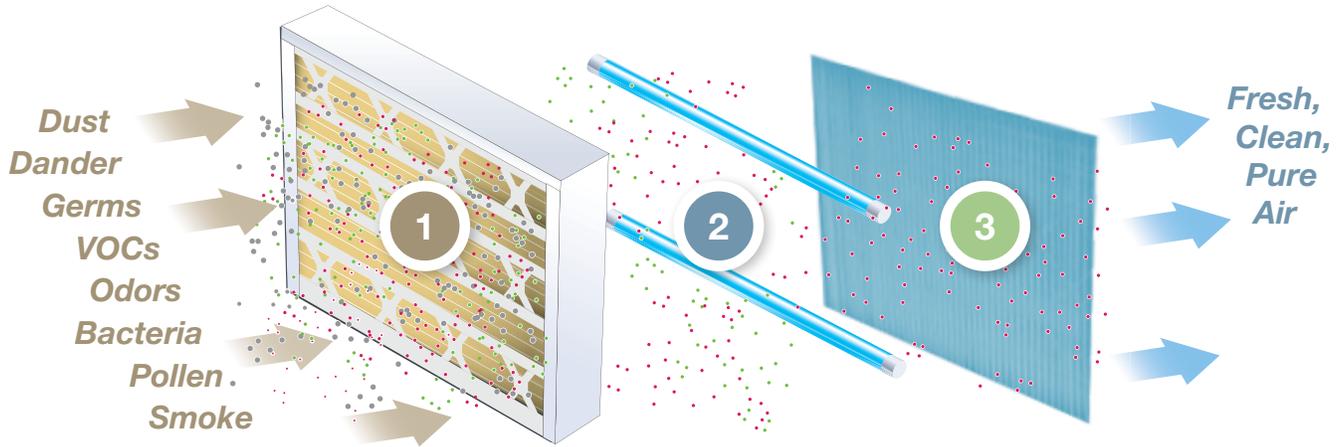
As air enters the unit, it passes through a MERV 13 filtration medium. This pleated 4-inch filter traps particles as small as .3 micron including bacteria, dust, dander, and pollen. After the filter, the air enters a UV treatment zone containing two powerful 22" ultraviolet C (UVC) lamps. These lamps reduce airborne microbes such as bacteria, viruses, and fungi\*. The final phase uses a photocatalytic oxidation (PCO) process. When the honeycombed aluminum material is exposed to the UVC light, the extensive surface area transforms odors and volatile organic compounds (VOCs) into harmless, odorless water vapor and carbon dioxide.



\*>85% reduction of virus MS-2 bacteriophage in a 4000ft<sup>3</sup> chamber in less than 20 minutes.

**ULTIMATE AIR TREATMENT** The Rheem 3-in-1 Electronic Air Cleaner combines three unique and effective technologies to protect against indoor air pollutants. The combined effect of these three technologies delivers unparalleled performance in reducing toxic gases and odors, particles that trigger allergies and asthma, and viruses, bacteria and fungi\* that can cause illnesses.

### 3-STAGE TREATMENT PROCESS



**1** MERV 13 media filters efficiently capture particles and feature depth loading to minimize pressure drop.

**2** UVC light reduces airborne bacteria, viruses, and fungi.\*

**3** PCO (photocatalytic oxidation) is a UV light reactive oxidation process that transforms the odors and volatile organic compounds (VOCs) into harmless, odorless water vapor and carbon dioxide.

### 3-IN-ONE ELECTRONIC AIR CLEANER

- Photocatalytic oxidation process transforms odors and volatile organic compounds (VOCs) into harmless, odorless water vapor and carbon dioxide
- UVC light reduces airborne bacteria, viruses, and fungi\*
- MERV 13 media filter efficiency of 92.30% particulate reduction at .3 microns
- 10-year limited warranty (lamp: 90 days)
- Replacement Lamp 54-109479-01
- Replacement Filter 54-109478-01

Part Number	RXAQ-AT22B3
Size inches	Cabinet: 21 x 25 x 10 Media: 20 x 25 x 4
Sizing tons	2.5 – 5.0
Voltage	120
Lamp Wattage	30
Lamp intensity W/cm <sup>2</sup> @ 1m	2 at 70
Lamp Life	2 years
Static Pressure in wc	.32 @ 1,600
Limited Warranty	10 year

\*>85% reduction of virus MS-2 bacteriophage in a 4000ft<sup>3</sup> chamber in less than 20 minutes.

