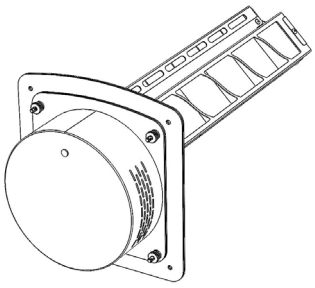
Carrier® Carbon Air Purifier with UV
UVCAPXXC2015

Turn to the experts

Product Data



A221217

ZERO OZONE EMISSIONS – MEASURED OZONE EMISSIONS FROM CARBON AIR PURIFIER WITH UV DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED BY UL 867. UL.COM/ECV

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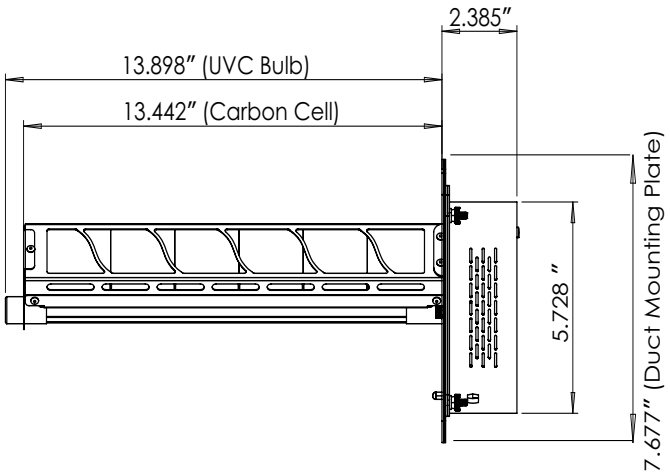
Carrier's Carbon Air Purifier with UV provides dual treatment technology through a carbon core and a UV light to improve indoor air quality with virtually no pressure drop. The Carbon Air Purifier with UV helps address the reduction of common, unwanted, and potentially harmful household gases and odors, while aiding in the reduction of microorganism (e.g., bacteria and viruses) growth on the evaporative coil[1] and release into the homeowner's circulated air[2]. In addition, the Carbon Air Purifier with UV reduces ozone in recirculated air.

Features / Benefits

- Meets UL 2998 – meaning it has been tested and independently validated by UL, a neutral third-party for Zero Ozone Emissions – Measured Ozone Emissions from the Carbon Air Purifier with UV during use phase do not exceed 0.005 ppm as tested by UL 867. This validation program for Zero Ozone Emissions from Air Cleaners represents one of the most stringent criteria available today – providing you with a distinct market advantage.
- Reduces ozone in recirculated air.
- Continuous Treatment – Ongoing surface treatment on the evaporative coil. Air purification requires ongoing system operation, i.e., continuous fan mode.
- Easy to Install – Quick and easy to install on a new or existing in-duct systems.
- Low Maintenance – Simplified replacement of the carbon core each year and UV bulb every 2 years.
- Light Indicator – Convenient light indication on ballast allows for validation of proper product operation.
- Accessory Upgrade – Available UV Accessory Lamp provides additional UV light coverage to further protect your HVAC system.

Table 1 – Specifications

Dimensions, in. (mm)	6.5 H x 6.0 W x 14.5 L (165 x 152 x 368)
Product Weight	3 lb (1.4 kg)
Electrical	Input: 24 VAC or DC (min 19.2V; max 32V) 50/60 Hz, 1.4A, 3000V surge protection
Transformer Provided	40VA (Note: Use 75VA transformer if installing optional accessory UVC light kit. 75VA transformer is purchased separately.)
Replacement 40VA Transformer	P201-3401
UV Light	10W (UVC), germicidal[1,2], 254 nm wavelength
Power Consumption / Power Factor	20W / 0.995
Minimum Average Lamp Life	18,000 hours
Bulb Replacement	UVCAPXXC2015L
Carbon Core Replacement	UVCAPXXC2015C
UV Accessory Lamp	UVCAXXC2015A
UV Accessory Lamp Replacement Bulb	UVCAPXXC2015AL
75VA Transformer	HT01BD118



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Fig. 1 – Dimensions (in.)

1. The efficacy of the Carbon Air Purifier with UV (UVCAPXXC2015) to remove Escherichia coli (>99%), Staphylococcus epidermidis (>99.9%), Coronavirus 229E (95%) and MS-2 bacteriophage (>99.99%) from treated surfaces after 24 hours was demonstrated in an ASTM E3135-18 test conducted by a third-party laboratory under ambient temperature and humidity conditions.
2. The efficacy of the Carbon Air Purifier with UV (UVCAPXXC2015) to remove a surrogate airborne pathogen, MS-2 bacteriophage, was demonstrated with a decay rate (k) of 0.162860 and Clean Air Deliver Rate (CADR) of 130.6 cfm in 60 minutes in a chamber test conducted by a third-party laboratory using a 1007 ft^3 chamber with an airflow of 1,220 cfm, test temperature of 74-77°F and relative humidity of 45.1-46.6%.

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