



NPBI

Bus Clean Air

BusCleanAir.com by *Custom Mobility*

Cleaning the Air you Breathe



NPBI

Vehicle Clean Air

VehicleCleanAir.com by *Custom Mobility*

• Patent Pending •



NPBI

TRUCK CLEAN AIR

TruckCleanAir.com

• Patent Pending •

Patent Pending

- Custom Mobility has a Patent Pending for utilization of GPS technology in all types of vehicles
 - School Buses
 - Transit Bus Fleets
 - Truck Fleets
 - Refrigerated Trucks
 - Police Cars
 - Trains

As Seen on 60 Minutes

*Date: March 21, 2021
Marietta City Schools
Episode – Back to School*



Bus Clean Air Logo on Bus



Custom Mobility Technician Installing NPBI Unit

Self-Cleaning Ion Generator CI-2

SPECIFICATIONS

Input Voltage	24VAC, 12-36VDC	Humidity Range	0 - 100% RH
Input Voltage (Optional)	110-277V AC - with PS-2 power supply	Unit Dimensions	4.2" L x 1.1" W x 2.6" H
Power Consumption	4W (standard operation), 7W (cleaning cycle)	Weight	0.37 lb
Frequency	50/60HZ	Electrical Listings	UL, cUL
Total Ion Output	>160M ions/cc	Alarm Contact Rating	250VAC / 1A, N.O. "dry" contact
Airflow Capacity	0 to 2,400 CFM or up to 6 tons	Compliance & Certifications	UL 867, UL 2998, UL 2043, CARB
Temperature Range	-20°F to 140°F		



Self-Cleaning Ion Generator BCA-FC24-AC



Two self-cleaning wiper blades for low profile

Designed for VRF/VRV Ceiling Cassette Units (only 1" high)
0-2,400 CFM
24VAC-240VAC or DC Input, includes BAS contacts

BCA-FC-3-BAS for Cars and Light Trucks



PRODUCT DESCRIPTION

The GPS-FC-3 unit is designed to be mounted inside of fan coil units, heat pumps, PTACs, ductless mini-splits and air handlers up to 3,200 CFM or 8 tons. Its compact size and simple mounting requirements allow it to be mounted almost anywhere in a few minutes.

STANDARD FEATURES

Carbon fiber brush emitters, operation status LED, integral Building Automation System (BAS) alarm contacts, mounting tabs, positive and negative ion output.

SPECIFICATIONS

Input Voltage	24VAC
Power Consumption	1.2 Watts
Frequency	50/60HZ
Total Ion Output	>350M ions/cc
Airflow Capacity	0 - 3,200 CFM or 8 tons
Temperature Range	-20° to 160°F
Humidity Range	0 - 100% RH
Unit Dimensions	2.6"L x 1.9"H x 1.3"D
Weight	0.23 lbs.
Electric Listings	UL
Compliance & Certifications	UL 2998, OSHPD Seismic (OSP), IAQP, CE
Alarm Contact Rating	24VAC, 0.1A, N.O. "dry" contacts

Example Installs: Bus without A/C



The FC-24 is Located within our Bus Clean Air Ionizer Housing.

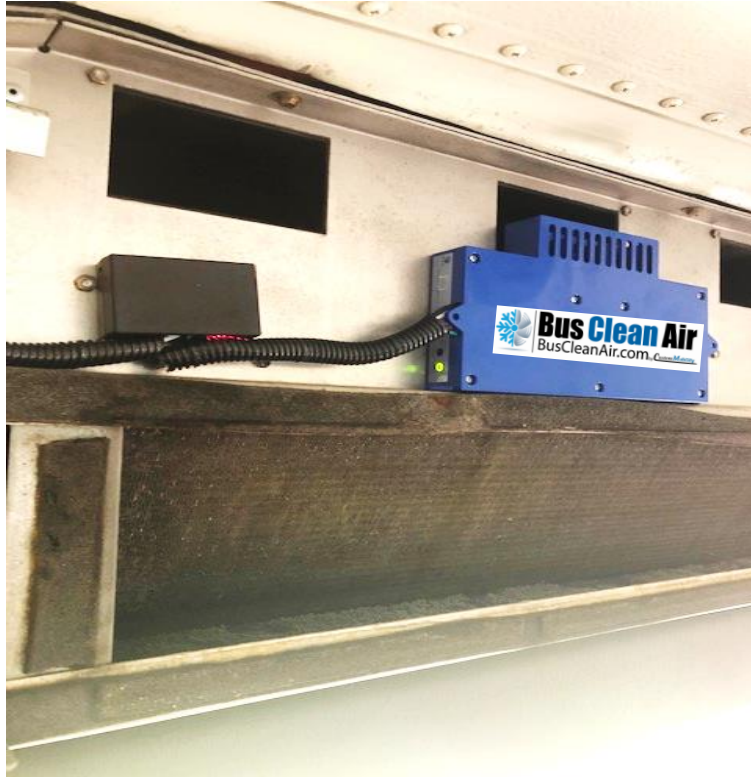


Factory Safety Bolts and Nuts are Used to Mount One Side of the Box to a Roof Rib of the Bus Ceiling



On/Off Button Located at Left of Driver on Panel

Example Install: Bus with Rear A/C



The Bus Clean Air Unit in BLUE uses the buses own air flow system to produce ion clouds when the AC, or Fan are on.

Air Ion Counter Results for Bus

Rear Install:

- Measured at AC unit where BCA-FC24-AC is installed = > 1,000,000 Ion/cm³
- Measured at Middle of Bus = 109,000 Ion/cm³
- Measured at Front of Bus = 60,000 Ion/cm³



Custom Mobility Notable Installations

