

# ENGINEERING DATA



**FIELD CONTROLS**  
Improving Indoor Environments

## Model: TRIO Plus

Air Purifier

**INNOVATIVE BIOANALYSIS**  
creating solutions | getting results

Innovative Bioanalysis confirmed the TRIO Plus achieved a **99.99% efficacy against coronavirus**, specifically SARS-CoV-2, the virus that causes COVID-19 **within 30 minutes.**



Meets California ozone emissions limit: CARB certified



MODEL	PART NUMBER
TRIO Plus	602604400

### REPLACEMENT PARTS

Description	Part Number
Filters (1/pkg): Pre-filter, HEPA and Carbon	602605100
Lamp (2/pkg):	602604500

### LOGISTICS

Net Weight: 26.2lbs (11.9 kgs)  
 Net Dimensions: 17.3 x 9x28" (LxWxH)  
 (L439 x W229 x H712mm)  
 Packaged Weight: 30.2lbs (13.7 kgs)  
 Package Dimensions: 21 x 12.7 x 31.5" (LxWxH)  
 (L535 x W323 x H800 mm)  
 Cable length: 6ft (1.8m)  
 Warranty: 1 year

### CONSTRUCTION

ABS

### PRODUCT OPTIONS

Special Orders: Colors, Private label, Filters: (H12 HEPA and H14 HEPA)

Special Orders must exceed 500 units

Casters: 2 Free rolling, 2 locking. Part # 602607600

Wall mount kit: Part # 602607700

### CERTIFICATIONS

ETL, CARB, AHAM Verifide, Energy Star

### FEATURES

- H13 HEPA filter captures 99.97% 0.3-micron particles such as dust, pollen, and smoke
- Activated carbon filter to capture odors such as formaldehyde, benzene, ammonia, VOCs, nicotine, etc.
- Cleanable pre-filter screen to filter breathable big particle such as hair, dander etc.
- Two powerful UV-C germicidal lamps to reduce bacteria, viruses, mold and fungi
- Patented PRO-Cell technology - Photo-reactive Oxidation process breaks down toxic VOCs (Volatile Organic Compounds) into safe CO2 and H2O vapors
- PM2.5 Particulate sensor - Automatically increases the fan speed when harmful particulates are present
- Color coded indoor air quality indicator - Blue/Green/Yellow/Orange/Red
- Timer with 1, 2, 4, and 8H options
- Filter life timer (2,000 hours) with indicator to show when replacement filter is required
- Handles for easy carrying and moving
- Five fan speeds, sleep mode, Auto mode, & Turbo mode
- Safety features - Child lock and automatic power off if panel is removed

### ELECTRICAL

Rated Voltage: 120V ±10%  
 Frequency: 60Hz  
 Power: 100W ±10%  
 Current: 0.83Amp  
 Energy Efficiency: 3.5 (CFM/W)  
 Max input power: 92W ±10%

### UV-C LAMPS

Number of lamps:2  
 Wattage: 10W  
 Voltage: 65±5  
 Material: Quartz Glass  
 Intensity: >30 (µW/cm2@1m)  
 Lamp Life: 8000 hrs  
 Ozone treatment layer

### MOTOR

Type: DC  
 Max rating: 70W  
 HP: 0.095  
 Efficiency ratings: 70%  
 Safety Certifications: ROHS Compliant

### MODES

Auto mode: Automatically monitors air quality and adjusts airflow according to PM2.5 sensor  
 Manual Mode  
 Sleep Mode  
 Sleep timer increments: 1, 2, 4, 8hr  
 Interface: Touch button

### OPERATION

For indoor use only  
 Operation environment: 0 -104F (0-40C), 0-100% humidity  
 5 Speeds and Turbo  
 Touch control

### FILTERS

Pre-Filter, Washable  
 Filter life: 2,000 hrs  
 Particulate & Chemical Filter  
 Particulate filter: H13 HEPA  
 Particulate Capture: 99.97% of 0.3 micron particles  
 Chemical Filter: Activated Carbon, 300g/filter



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Field Controls  
 2630 Airport Road  
 Kinston, NC 28504

252 522-3031  
 Fax: 1 (800) 367-7942

Visit us at: [www.fieldcontrols.com](http://www.fieldcontrols.com)

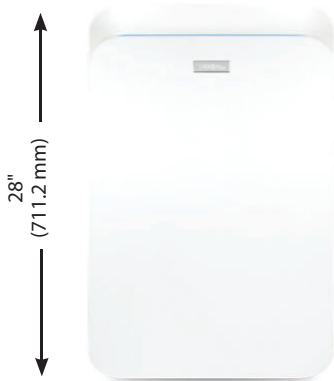
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# ENGINEERING DATA

## FAN SPEED INFORMATION

	CADR	CFM	Noise Level (Pressure Level, dBA)	Power (W)
Fan Speed 1	32ft <sup>3</sup> /m (55 m <sup>3</sup> /h)	52 ft <sup>3</sup> /m (88 m <sup>3</sup> /h)	24.7	25±3W
Fan Speed 2	103 ft <sup>3</sup> /m (175 m <sup>3</sup> /h)	157 ft <sup>3</sup> /m (267 m <sup>3</sup> /h)	28.5	30±3W
Fan Speed 3	142 ft <sup>3</sup> /m (241 m <sup>3</sup> /h)	215 ft <sup>3</sup> /m (365 m <sup>3</sup> /h)	35.8	35±4W
Fan Speed 4	197 ft <sup>3</sup> /m (335 m <sup>3</sup> /h)	301 ft <sup>3</sup> /m (511 m <sup>3</sup> /h)	45.4	45±5W
Fan Speed 5	254 ft <sup>3</sup> /m (416 m <sup>3</sup> /h)	370 ft <sup>3</sup> /m (629 m <sup>3</sup> /h)	47.5	60±5W
Turbo	295 ft <sup>3</sup> /m (502 m <sup>3</sup> /h)	440 ft <sup>3</sup> /m (748 m <sup>3</sup> /h)	52.8	86±6W

## PRODUCT VIEWS AND GENERAL DIMENSIONS



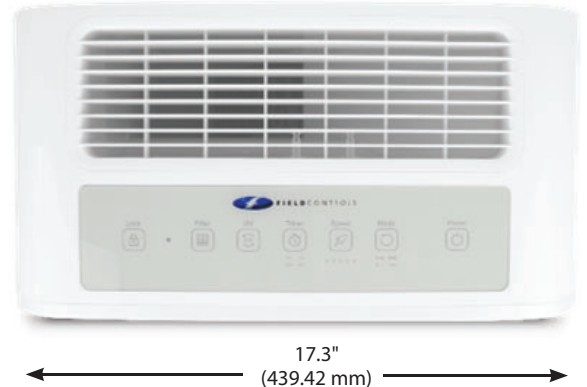
28"  
(711.2 mm)

FRONT VIEW



9"  
(228.6 mm)

SIDE VIEW



17.3"  
(439.42 mm)

PLAN VIEW



AIR QUALITY READING



CONTROL PANEL

## PROJECT INFORMATION

Quoted by:	Date:
Project:	Remarks:
Quantity:	
Model:	
Site:	
Architect:	
Engineer:	
Contractor:	



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Field Controls  
9154 Stellar Court  
Corona, CA 92883  
951-277-0304