ENGINEERING DATA

FIELD CONTROLS
Improving Indoor Environments

Model: TRIO Plus

Air Purifier

Bel-Aire
ElectronicAirCleaners.com

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**.

ETL LISTED c US
Intertek

Meets California ozone emissions limit: CARB certified

AHAM VERIFIDE

ENERGY STAR

MODEL	PART NUMBER
TRIO Plus	602604400

REPLACEMENT PARTS

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

LOGISTICS

Net Weight: 26.2 lbs (11.9 kgs)
Net Dimensions: 17.3 x 9x28" (L x W x H)
(L 439 x W 229 x H 712mm)
Packaged Weight: 30.2 lbs (13.7 kgs)
Package Dimensions: 21 x 12.7 x 31.5" (L x W x H)
(L 535 x W 323 x H 800 mm)
Cable length: 6 ft (1.8m)
Warranty: 1 year

CONSTRUCTION

ABS

PRODUCT OPTIONS

Special Orders: Colors, Private label, Filters: (H14 HEPA)
Casters: 2 Free rolling, 2 locking, Part #:602607600
Wall mount kit: Part #: 602607700

CERTIFICATIONS

Conforms to UL STD.507, Certified to CSA STD.C22.2 No. 187 2020 Ed.5
Non-Ozone Producing Tested to UL 867
AHAM Verified: 305 Smoke CADR
Energy Star: 2380798
CARB: G-20-263

FEATURES

- H13 HEPA - Filter captures >99.97% 0.3-micron particles such as smoke, dust, pollen, and other harmful PM2.5 particulates
- Activated carbon filter to capture odors and harmful VOCs
- Cleanable pre-filter that captures large particles such as hair, dander etc.
- Two powerful UV-C lamps to reduce mold[1] and viruses[2]
- Patented PRO-Cell™ technology - Photo-reactive Oxidation process breaks down toxic VOCs (Volatile Organic Compounds) into safe CO_2 and H_2O vapors
- PM2.5 Particulate matter sensor - Automatically increases the fan speed when harmful particulates are measured
- Color coded indoor air quality indicator - Blue / Green / Yellow / Orange / Red (Blue = good, Red = hazardous)
- Timer with 1, 2, 4, and 8 hr. options
- Filter life indicator and timer (2,000 hours) to show when filters require inspecton and/or possible replacement
- Built in handles for convenient manuevering and placement.
- 5 fan speeds plus Turbo, system has manual, sleep, auto mode functions
- 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 / cm^2@1m)
Lamp Life: 8000 hrs. of operation

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 Particulate Matter Sensor (PM 2.5)
Manual Mode: Fixed Speed
Sleep Mode
Timer increments: 1, 2, 4, 8 hr.
Interface: Touch button

OPERATION

For indoor use only
Operation environment: 0 -104F (0-40C), 0-100% humidity
5 Speeds and Turbo
Touch control
Noise: 24-52 dB(A)

FILTERS

Pre-Filter, Washable
Life: Inspect and clean every 2,000 hrs. of operation
Particulate filter: H13 HEPA
Particulate Capture: 99.97% @ 0.3- micron particles
Chemical Filter: Activated Carbon, 300gm/filter
Particulate and Chemical Filter Life: Inspect every 2000 hrs. of operation.
Recommend Replacement every 6 months of operation.

1. 99.63% reduction of Bacillus Subtilis, 99.92% reduction of Clostridium sporogenes.
2. 99.99% reduction of COVID-19 pathogen, active SARS-CoV-2 virus

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Field Controls
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Visit us at: www.fieldcontrols.com

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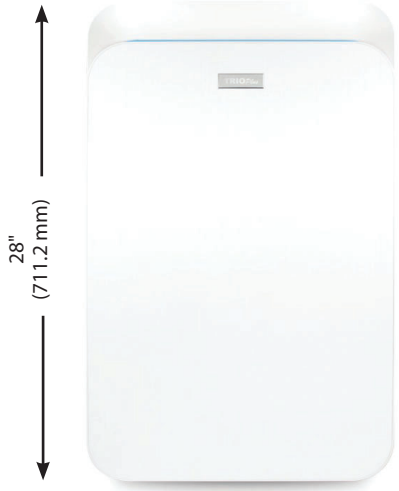
P/N 780505300 01/22 Rev D

ENGINEERING DATA

FAN SPEED INFORMATION

	CADR	CFM	Noise Level (Pressure Level, dBA)	Power (W)
Fan Speed 1	32ft³/m (55 m3/h)	52 ft³/m (88 m3/h)	24.7	25±3W
Fan Speed 2	103 ft³/m (175 m3/h)	157 ft³/m (267 m3/h)	28.5	30±3W
Fan Speed 3	142 ft³/m (241 m3/h)	215 ft³/m (365 m3/h)	35.8	35±4W
Fan Speed 4	197 ft³/m (335 m3/h)	301 ft³/m (511 m3/h)	45.4	45±5W
Fan Speed 5	254 ft³/m (416 m3/h)	370 ft³/m (629 m3/h)	47.5	60±5W
Turbo	305ft³/m (518m3/h)	440 ft³/m (748 m3/h)	52.8	86±6W

PRODUCT VIEWS AND GENERAL DIMENSIONS



FRONT VIEW

SIDE VIEW

PLAN VIEW

AIR QUALITY INDICATOR

CONTROL PANEL

PROJECT INFORMATION

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

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