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.**

ETL LISTED Intertek c US

Meets California ozone emissions limit: CARB certified

AHAM VERIFIDE

energy 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: (H12 HEPA, H14 HEPA)

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

Wall mount kit: Part #: 602607700

CERTIFICATIONS

Confirms to UL STD.507, Certified to CSA STD.C22.2 No. 187 2020 Ed.5, Ozone Tested to UL 867

AHAM Verified, Energy Star, CARB

FIELD CONTROLS
Improving Indoor Environments

Field Controls
2630 Airport Road
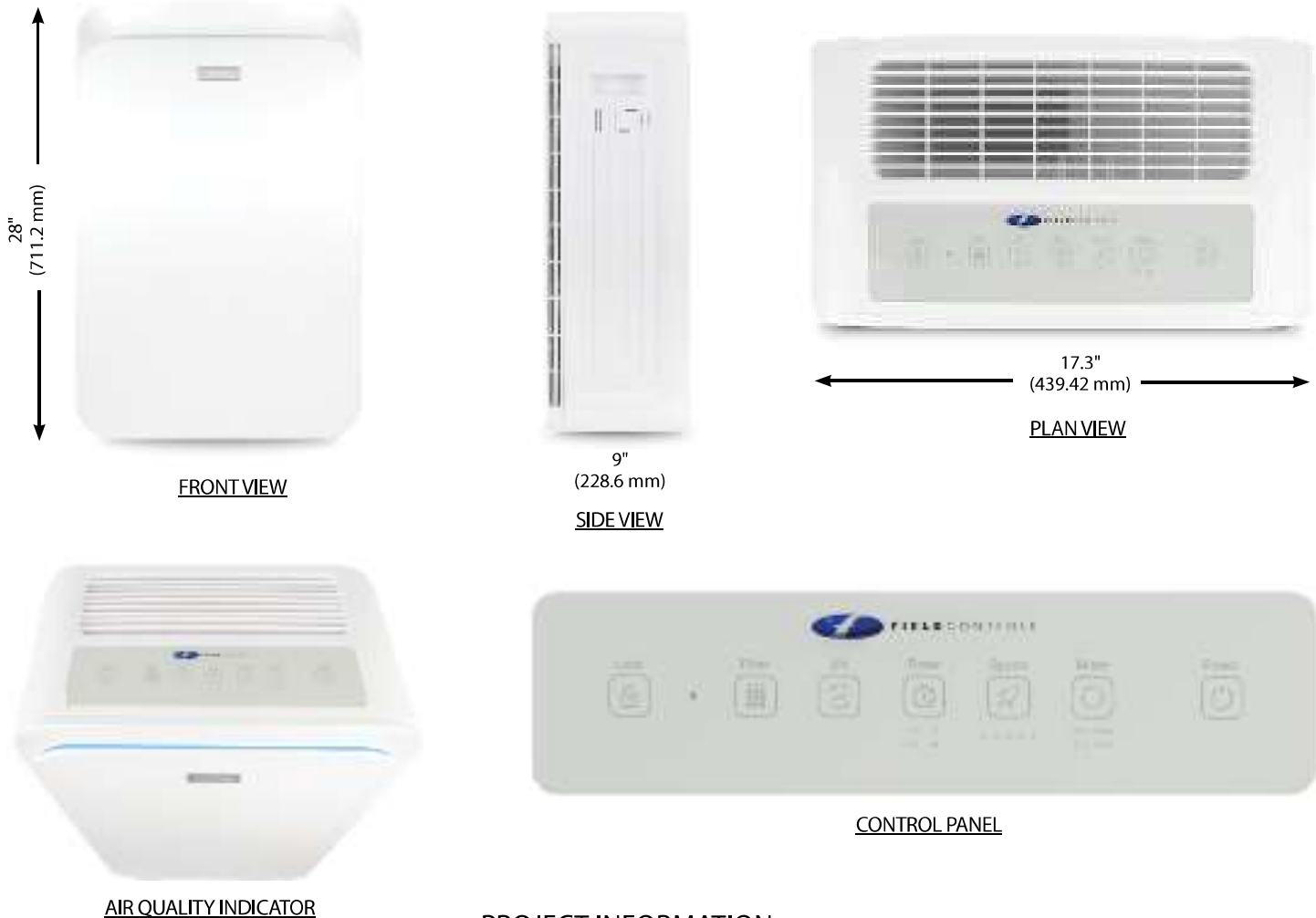Kinston, NC 28504

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

Visit us at: www.fieldcontrols.com

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 timer (2,000 hours) with indicator 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
Sleep 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

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

P/N 780505300 10/21 Rev C

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	295 ft³/m (502 m3/h)	440 ft³/m (748 m3/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 INDICATOR

CONTROL PANEL

FIELD CONTROLS
Improving Indoor Environments

Field Controls
2630 Airport Road
Kinston, NC 28504

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

Visit us at: www.fieldcontrols.com

Field Controls
9154 Stellar Court
Corona, CA 92883

951-277-0304

PROJECT INFORMATION

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