

ENGINEERING DATA



Model: TRIO Plus

Air Purifier



Meets California ozone emissions limit: CARB certified



MODEL	PART NUMBER
TRIO Plus	602604400

REPLACEMENT PARTS	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 12.7x31.5" (LxW 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: (H14HEPA)
 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
 Prop. 65 Compliant

- FEATURES**
- H13 HEPA - Filter captures >99.97% 0.3-micron particles such as smoke, dust, pollen
 - 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 for supplemental sanitation to reduce micro-organisms in the air
 - PRO-Cell™ - Photo-reactive Oxidation process breaks down toxic VOCs (Volatile Organic Compounds) into safe CO₂ and H₂O vapors
 - PM2.5 Particulate matter sensor - Automatically increases the fan speed when 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 hr.) to show when filters require inspection and/or possible replacement
 - Built in handles for convenient maneuvering and placement.
 - 5 fan speeds plus Turbo, system has manual, sleep, auto mode functions
 - Safe to Use - Child lock, automatic shut-off if opened during operation, enclosed UVC meeting emission requirements, non-ozone producing (CARB Certified)

ELECTRICAL	UV-C LAMPS	MOTOR
Rated Voltage: 120V ±10%	Number of lamps: 2	Type: DC
Frequency: 60Hz	Wattage: 10W	Max rating: 70W HP:
Power: 86W ± 6W	Voltage: 65±5	0.095
Current: 0.83Amp	Material: Quartz Glass	Efficiency ratings: 70% Safety
Energy Efficiency: 3.5 (CFM/W)	Intensity: >30 (µW / cm ² @1m)	Certifications: ROHS Compliant
Max input power: 92W ±10%	Lamp Life: 8000 hrs. of operation	

MODES	OPERATION	FILTERS
Auto mode: Automatically monitors air Quality and adjusts airflow according to Particulate Matter Sensor (PM 2.5)	For indoor use only	Pre-Filter, Washable
Manual Mode: Fixed Speed	Operation environment: 0-104F (0-40C), 0-100% humidity	Life: Inspect and clean every 2,000 hrs. of operation
Sleep Mode	5 Speeds and Turbo	Particulate filter: H13 HEPA
Timer increments: 1, 2, 4, 8 hr.	Touch control	Particulate Capture: >99.97% @ 0.3µm, 99.996% @ 0.1- 0.15µm
Interface: Touch button	Noise: 24 - 52.8 dB(A)	Chemical Filter: Activated Carbon, 300gm/filter
		Particulate and Chemical Filter Life: Inspect every 2000 hrs. of operation.
		Recommend replacement every 6 months of operation.

Operation of device does not replace the requirement for routine disinfection procedures

Field Controls
 2630 Airport Road
 Kinston, NC 28504
 252 522-3031
 Fax: 1 (800) 367-7942
 Visit us at: www.fieldcontrols.com

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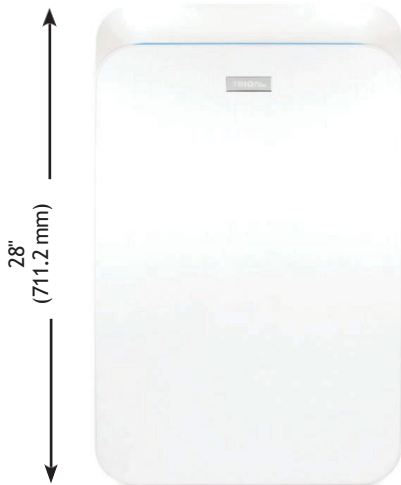
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FAN SPEED INFORMATION

	CADR Airflow	CFM Airflow	Noise Level Pressure level, dB(A)	Power (W)
Fan Speed 1	32 ft ³ /m (54 m ³ /h)	52 ft ³ /m (88 m ³ /h)	24.7	25±3W
Fan Speed 2	103 ft ³ /m (175 m ³ /h)	157 ft ³ /m (266 m ³ /h)	28.5	30±3W
Fan Speed 3	142 ft ³ /m (241 m ³ /h)	215 ft ³ /m (365 m ³ /h)	35.8	35±4W
Fan Speed 4	197 ft ³ /m (334 m ³ /h)	301 ft ³ /m (511 m ³ /h)	45.4	45±5W
Fan Speed 5	245 ft ³ /m (416 m ³ /h)	370 ft ³ /m (628 m ³ /h)	47.5	60±5W
Turbo	305 ft ³ /m (518 m ³ /h)	440 ft ³ /m (747 m ³ /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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