

ENGINEERING DATA



Model: TRIO Pro Air Purifier



Meets California ozone emissions limit: CARB certified



MODEL	PART NUMBER
TRIO Pro	602605400

REPLACEMENT PARTS

Description	Part Number
Filters (2/pkg): Pre-filter, HEPA and Carbon	602605600
Lamp (4/pkg):	602605500

LOGISTICS

Net Weight: 46.3lbs (21.0 kgs)
 Net Dimensions: 18.6 x 15.2 x 31" (LxWxH)
 (L474XW385XH772mm)
 Packaged Weight: 50.7lbs (23.0 kgs)
 Package Dimensions: 22 x 18.5 x 34.5" (LxWxH)
 (L560xW470xH875 mm)
 Cable length: 6ft (1.8m)
 Warranty: 1 year

CONSTRUCTION

ABS

PRODUCT OPTIONS

Orders must exceed 500 units
 Options: Feet pads, Private label
 Filters: (H13 HEPA, H14 HEPA, U15 ULPA)

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: 518 Smoke CADR
 Energy Star: 2388224
 CARB: G-21-454



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FEATURES

- Dual air inlet path design to maximize large room filtration
- 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
- Four powerful UV-C lamps – Aligns with CDC, WHO, and ASHRAE IAQ guidelines
- Patented PRO-Cell™ technology - Photo-reactive Oxidation process breaks down toxic VOCs (Volatile Organic Compounds) into safe CO₂ and H₂O vapors
- VOC and PM2.5 Particulate sensors - Automatically increases the fan speed when harmful gases and particulates are present
- Timer with 1 - 24H options
- Filter life indicator and timer (2,000 hours) to show when replacement filter required
- UVC life indicator (8000 hours of operation) to show when UVC lamp replacement required
- Wheel casters for easy moving
- Four fan speeds, sleep mode, Auto mode, & Turbo mode
- Safety features - Child lock and automatic power off if inlet panels removed

ELECTRICAL

Rated Voltage: 120V ±10%
 Frequency: 60Hz
 Power: 120W ±10%
 Current: 1Amp
 Energy Efficiency: 4.9 (CFM/W)
 Max input power: 115W ±10%

UV-C LAMPS

Number of lamps: 4
 Wattage: 8W
 Voltage: 55±5
 Material: Quartz Glass
 Intensity: >25 (µW/cm²@1m)
 Lamp Life: 8000 hrs
 Ozone treatment layer
 Recommend yearly replacement

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 accordingly
 Manual Mode
 Sleep Mode
 Sleep timer increments: 1hr
 Interface: LCD screen

OPERATION

For indoor use only
 Operation environment: 0 -104F (0-40C), 0-100% humidity
 6 Speeds
 Touch control and Remote control
 Noise: 21-54 dB(A)

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
 Recommend Replacement every 6 months of operation.

REMOTE CONTROL OPTIONS

On/Off, UV Lamp On/Off, Fan Speed, Sleep Timer, Light On/Off

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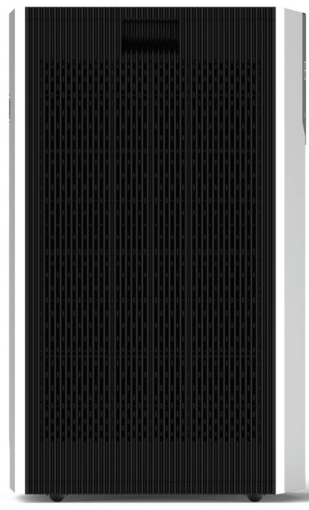
FAN SPEED INFORMATION

	CADR AIRFLOW (H13 FILTER)	CFM Airflow (H13 Filter)	Noise Level (Pressure Level)	Power (W)
Fan Speed 1	176 ft ³ /m (300 m ³ /h)	235 ft ³ /m (400 m ³ /h)	29.1	40±4W
Fan Speed 2	294 ft ³ /m (500 m ³ /h)	352 ft ³ /m (600 m ³ /h)	37.1	46±4W
Fan Speed 3	352 ft ³ /m (600 m ³ /h)	411 ft ³ /m (700 m ³ /h)	43.3	58±5W
Fan Speed 4	411 ft ³ /m (700 m ³ /h)	529 ft ³ /m (900 m ³ /h)	48.2	75±6W
Turbo	518 ft ³ /m (900 m ³ /h)	647 ft ³ /m (1100 m ³ /h)	54.5	115±10W

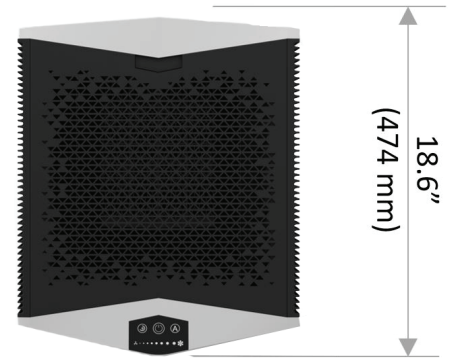
PRODUCT VIEWS AND GENERAL DIMENSIONS



FRONT VIEW



15.2"
(385 mm)
SIDE VIEW



PLAN VIEW



AIR QUALITY READING



CONTROL PANEL



REMOTE

PROJECT INFORMATION

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



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