

ENGINEERING DATA



FIELD CONTROLS
Improving Indoor Environments

Model: TRIO Plus

Air Purifier



Meets California ozone emissions
limit: CARB certified

MODEL PART NUMBER

TRIO Pro 602604400

REPLACEMENT PARTS

Description Part Number

Filters (1/pkg): 602605100

Pre-filter, HEPA and Carbon

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

Orders must exceed 500 units

Options: Colors, Private label, Filters: (H12 HEPA,
H13 HEPA, H14 HEPA)

Casters: (Part #:602607600)

Wall mount kit (Part #: 602607700)

CERTIFICATIONS

ETL, CARB

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 neutralizes 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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FAN SPEED INFORMATION

	CADR	CFM	Noise Level (Pressure Level)	Power (W)
Fan Speed 1	32ft ³ /m (55 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 (267 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 (335 m ³ /h)	301 ft ³ /m (511 m ³ /h)	45.4	45±5W
Fan Speed 5	254 ft ³ /m (416 m ³ /h)	370 ft ³ /m (629 m ³ /h)	47.5	60±5W
Turbo	295 ft ³ /m (502 m ³ /h)	440 ft ³ /m (748 m ³ /h)	52.8	86±6W

PRODUCT VIEWS AND GENERAL DIMENSIONS



ISO VIEW



CONTROL PANEL



EXPLODED VIEW

PROJECT INFORMATION

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



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