

# ENGINEERING DATA



## Model: TRIO Pro

Air Purifier



### 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, Wheels, Locking Wheels, Colors,  
Private label, Filters: (H12 HEPA, H13 HEPA, H14 HEPA)

### CERTIFICATIONS

ETL, CE

### FEATURES

- Dual air inlet path design to maximize large room filtration
- H13 HEPA - Medical grade filter captures 99.95% 0.3 micron such as dust, pollen, and smoke
- Activated carbon filter to capture odors such as formaldehyde, benzene, ammonia, VOCs, nicotine, etc.
- Four 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 CO<sub>2</sub> and H<sub>2</sub>O 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 timer (2,000 hours) and indicator to show when replacement filter required
- Handles for easy carrying and moving
- Three fan speeds, sleep mode, Auto mode, & Turbo mode
- Safety features - Child lock and automatic power off once inlet panel removed

### ELECTRICAL

Rated Voltage: 102V ±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/cm<sup>2</sup>@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 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  
5 Speeds  
Touch control and Remote control

### FILTERS

Pre-Filter, Washable  
Filter life: 2,000 hrs  
Particulate & Chemical Filter  
Particulate filter: H13 HEPA  
Particulate Capture: 99.95% of 0.3 micron particles  
Chemical Filter: Activated Carbon, 300g/filter

### REMOTE CONTROL OPTIONS

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



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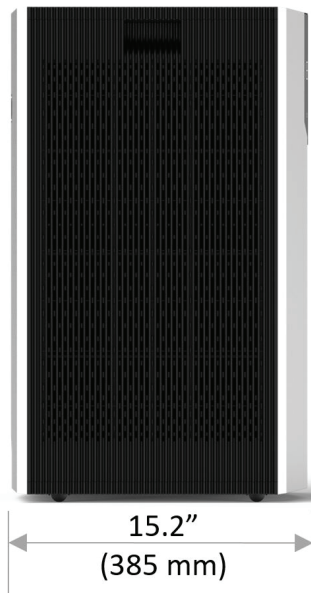
## FAN SPEED INFORMATION

	CADR	CFM	Noise Level (Pressure Level)	Power (W)
Fan Speed 1	218 ft <sup>3</sup> /m (371 m <sup>3</sup> /h)	235 ft <sup>3</sup> /m (400 m <sup>3</sup> /h)	29.1	40±4W
Fan Speed 2	295 ft <sup>3</sup> /m (502 m <sup>3</sup> /h)	326 ft <sup>3</sup> /m (555 m <sup>3</sup> /h)	37.1	46±4W
Fan Speed 3	365 ft <sup>3</sup> /m (621 m <sup>3</sup> /h)	421 ft <sup>3</sup> /m (716 m <sup>3</sup> /h)	43.3	58±5W
Fan Speed 4	450 ft <sup>3</sup> /m (765 m <sup>3</sup> /h)	518 ft <sup>3</sup> /m (881 m <sup>3</sup> /h)	48.2	75±6W
Turbo	562 ft <sup>3</sup> /m (956 m <sup>3</sup> /h)	659 ft <sup>3</sup> /m (1120 m <sup>3</sup> /h)	54.5	115±10W

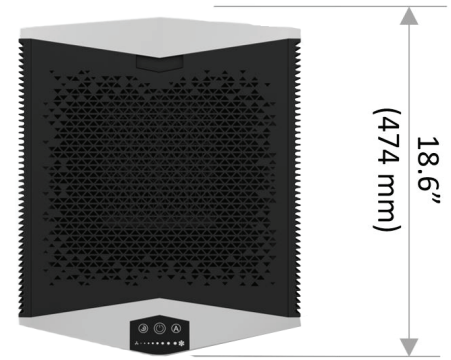
## PRODUCT VIEWS AND GENERAL DIMENSIONS



FRONT VIEW



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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