

ENGINEERING DATA



Model: TRIO Plus

Air Purifier



Meets California ozone emissions limit: CARB certified



MODEL PART NUMBER

TRIO Plus 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

Special Orders: Colors, Private label, Filters: (H12 HEPA and H14 HEPA)

Special Orders must exceed 500 units

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

Wall mount kit: Part # 602607700

CERTIFICATIONS

ETL, CARB, AHAM Verifide, Energy Star

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



Field Controls
2630 Airport Road
Kinston, NC 28504

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

Visit us at: www.fieldcontrols.com

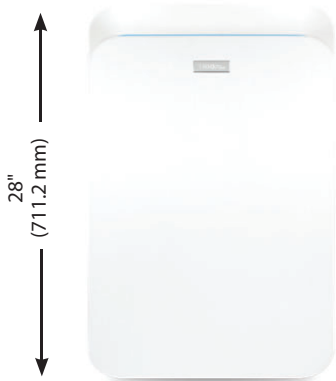
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FAN SPEED INFORMATION

| | CADR | CFM | Noise Level (Pressure Level, dBA) | 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



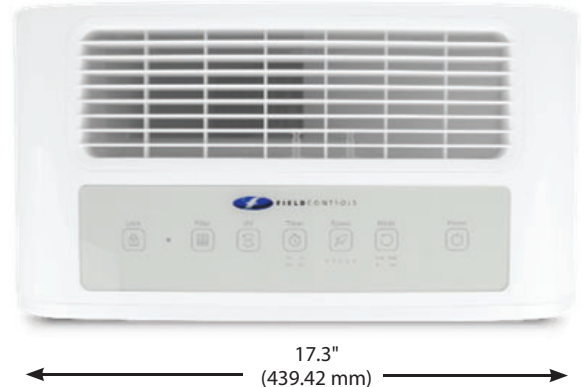
28"
(711.2 mm)

FRONT VIEW



9"
(228.6 mm)

SIDE VIEW



17.3"
(439.42 mm)

PLAN VIEW



AIR QUALITY READING



CONTROL PANEL

PROJECT INFORMATION

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



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Field Controls
9154 Stellar Court
Corona, CA 92883
951-277-0304

Visit us at: www.fieldcontrols.com