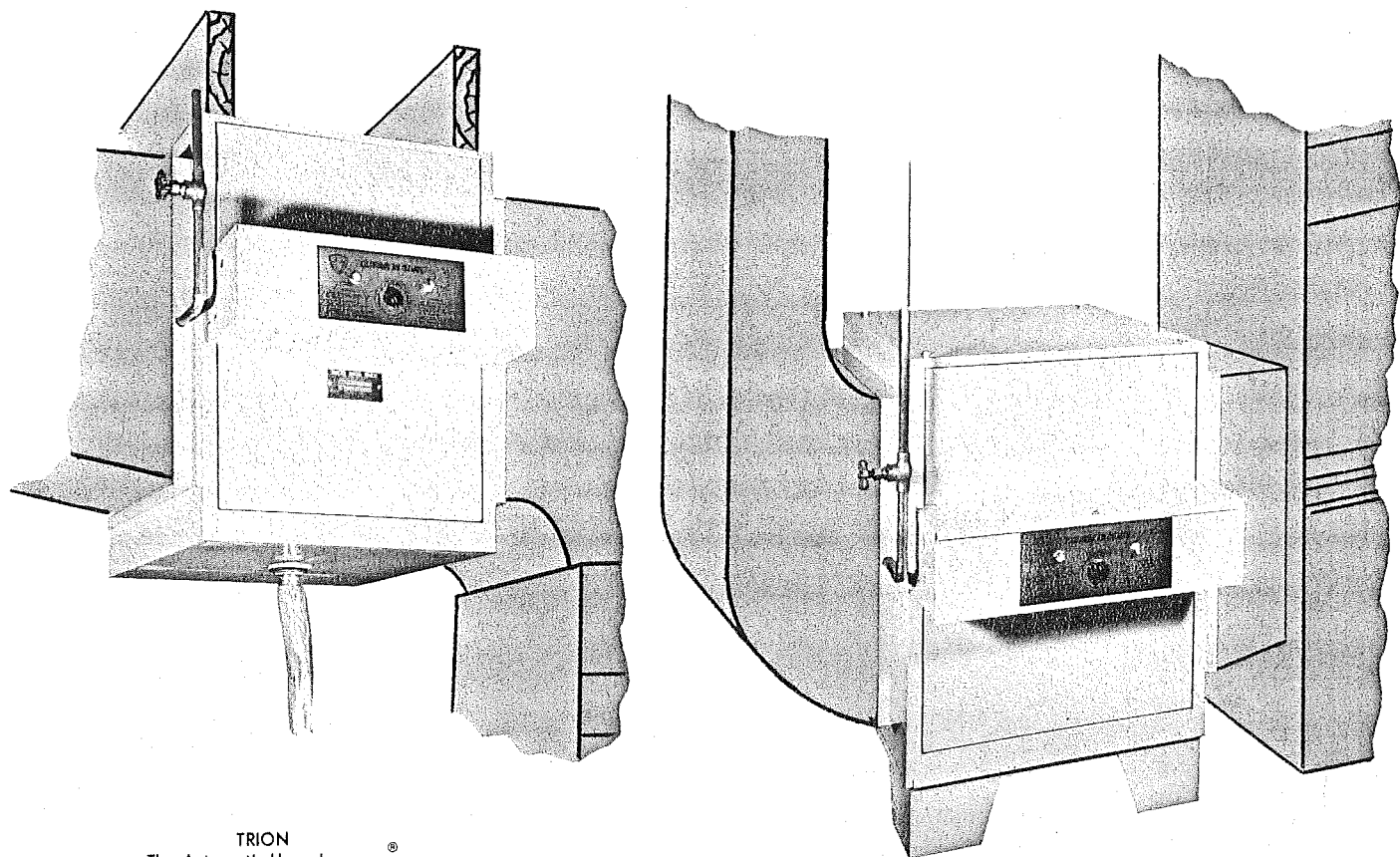




# ELECTRONIC AIR CLEANER

*TRION Type UMT/Utility Model Trion*



TRION  
The Automatic Housekeeper®

**HIGHLY EFFICIENT** • Removes up to 95% of air-borne particles (99% of pollen) that are circulated to the unit.

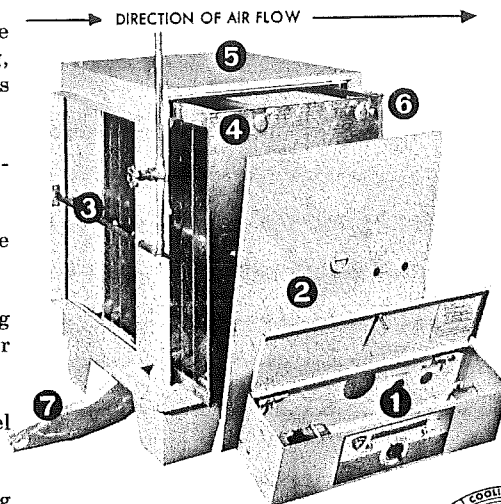
**VERSATILE** • Incorporates a selector control to "dial" the proper setting for most any size residential heating and/or cooling capacity.

**SIMPLIFIED MAINTENANCE** • Built-in water wash system effectively flushes collected residue to sewer.

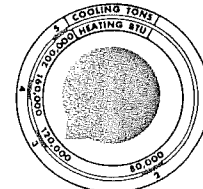
**ECONOMICAL** • Costs only pennies a day to operate—Investment may be returned through lower housekeeping costs.

**ADAPTABLE** • Designed for horizontal air flow unit may be floor mounted or suspended . . . Also adaptable to vertical downflow.

- 1 POWER PACK** Transformer, selenium rectifiers and capacitors wired into voltage doubling circuit energizes ionizing-collecting cell. Automatically, self-limiting, power pack output assures long, trouble-free operation. Capacity selector enables ready adjustment to match unit to furnace and/or air conditioner capacity.
- 2 ACCESS PANEL** Interior component parts of unit are readily accessible for inspection or servicing behind easily removable access panel.
- 3 WATER WASH MANIFOLD** Integral divergent nozzle washer enables routine cleansing of unit without ionizing-collecting cell removal.
- 4 IONIZING-COLLECTING CELL** Charges (ionizing section) and retains (collecting section) air-borne particles, some as small as 1/2,500,000 of an inch (smaller than tobacco smoke particles).
- 5 CABINET** Fabricated from heavy gauge sheet steel with attractive baked enamel finish and provided with collars for easy attachment to ductwork.
- 6 AFTER FILTER** Aids in maintaining maximum air cleaning efficiency by providing even air distribution throughout ionizing-collecting section.
- 7 DRAIN CONNECTION** Carries flushed residue from unit to sewer during washing operation. Connection can be of permanent piping or flexible tubing.



CAPACITY SELECTOR



### SIZE-CAPACITY DATA—Model No. 24-102

Air Capacity—CFM	800	1200	1600	2000
Heating Capacity—BTU	80,000	120,000	160,000	200,000
Cooling Capacity—Tons	2	3	4	5
Air Cleaning Efficiency <sup>1</sup>	95%	90%	87%	85%
Static Pressure Drop	.04 In. w.g.	.08 In. w.g.	.13 In. w.g.	.18 In. w.g.
Power Consumption	20 Watts Maximum			
Electrical Requirements	110-125 Volts AC—60 Cycles—1 Phase			
Water Wash System: Water Required—5 GPM at pressure of 30 PSIG (Minimum) at full flow. (Average wash period 3 minutes.) Suggested Water Temperature—125° F. Minimum. Plumbing Connections—Inlet Size ½" IPS.—Male drain connection size 1 ½" IPS. Automatic controls for water wash system available as an accessory.				

1. By the National Bureau of Standards Dust-Spot Test Method using atmospheric air without addition of other dust or contaminant.

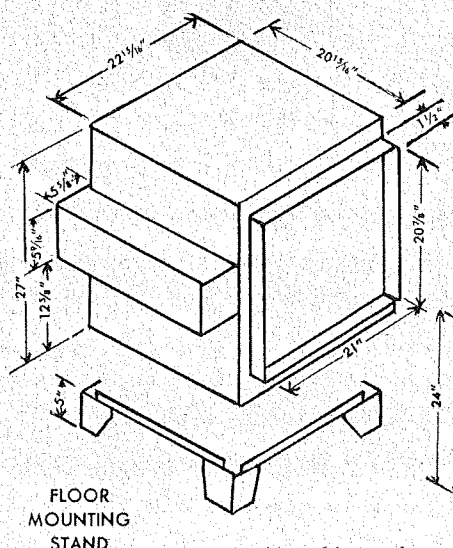
### SPECIFICATION GUIDE

Electronic Air Cleaners shall be the two-stage plate type electrostatic precipitator, Type UMT as manufactured by Trion, Inc. Furnish and install such equipment where shown on plans of size to clean the specified air volume at air cleaning efficiency not less than . . . . . % (determine % of efficiency from size-capacity table above) as determined by the National Bureau of Standards Dust-Spot Test Method using normal atmospheric air. Total resistance to air flow shall not exceed .08" w.g. at 90% cleaning efficiency. Each unit shall be provided with stationary divergent nozzle washer, an electrical time delay safety switch, removable permanent type 1" after-filter fitted into factory fabricated cabinet. The cabinet shall be of sheet steel which shall include the drain pan and adequate drain fittings. Cabinet shall be fitted with integral power pack and access panel to facilitate removal of ionizing-collecting cell and after-filter.

Wash water shall be 125° (minimum) with pressure at the unit of 30 PSIG (minimum) at full flow.

**Note: For commercial applications a Trion Detergent Feeder is recommended.**

### DIMENSIONS



FLOOR  
MOUNTING  
STAND

Specifications subject to change without notice.

**WARRANTY**—Trion equipment and parts are warranted for one year against defects in material and workmanship.

### SHIPPING WEIGHTS

Complete Unit	122 lbs.
Floor Mounting Stand	5 lbs.
Vertical Down Flow Adapter	8 lbs.
Cabinet	44 lbs.

VERTICAL  
DOWN FLOW  
ADAPTER

FOR NAME OF YOUR LOCAL TRION DEALER  
REFER TO YELLOW PAGES UNDER "FILTERS AIR"



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