



Proudly Engineered,  
Tested / Listed,  
and Manufactured  
in the USA



---

VoltAire Systems **HTC Series Counter Flow** Heat Exchangers are designed to remove heat from cabinets that have sensitive electronics or telecommunications equipment. All of our heat exchangers are closed loop cooling, ensuring an interior cabinet environment free of dust and humidity.

---

### Standard Features

- UL Recognized
- High-performance fans
- Fan speed and alarm control board
- Closed-loop certified UL Type 4(X) cooling for outside plant applications
- Epoxy-coated aluminum counter-flow core
- Designed in accordance with GR-487 specifications
- Stainless steel hardware
- Powder coated aluminum cover
- Corrosion resistant Acrylume enclosure

### Optional Features

- Stainless steel cover
- Custom paint finishes

### Applications

- Radio base stations
- Telecom shelters, indoor & outdoor OSP cabinets
- Network switching rooms and computer rooms
- Oil and gas equipment
- Mining equipment
- Automation control cabinets, and process control centers
- CNC machines
- Drive cabinets
- Solar cabinets
- Digital advertisement boards and kiosk display systems
- Power supply cabinets, battery cabinets and rectifier cabinets
- Power distribution cabinets





Website:  
[www.voltairesys.com](http://www.voltairesys.com)

Phone:  
(407) 378-7482

Address:  
2900 W. Orange Ave. Ste. 100  
Apopka, FL 32703

VoltAire Doc. #BC0217D  
Published April 27, 2020

## Technical Data

Model	HTC15	HTC20	HTC25	HTC42	HTC90
<b>Performance</b>					
Cooling Capacity	15W/°F 27W/°C	20W/°F 36W/°C	25W/°F 45W/°C	42W/°F 75W/°C	90W/°F 162W/°C
Operational Temperature (°F / °C)	-40 to 158 / -40 to 70				
Sound at 3m (dBA)	51	56	64	66	68
<b>Electrical Data</b>					
Voltage Input	48VDC				
Current Draw (amps)	0.5	0.8	1.7	1.8	4.8
<b>Unit Dimensions</b>					
Height (in/mm)	20.0 / 508		23.9 / 607		46.3 / 1176
Width (in/mm)	12.3 / 312		18.0 / 457		19.4 / 493
Depth (in/mm)	7.6 / 193		8.0 / 203		11.3 / 287
Weight (lb/kg)	22.0 / 10		36.5 / 16		86.1 / 39
<b>Approvals</b>					
		UL 1995 and Type 4(X)			



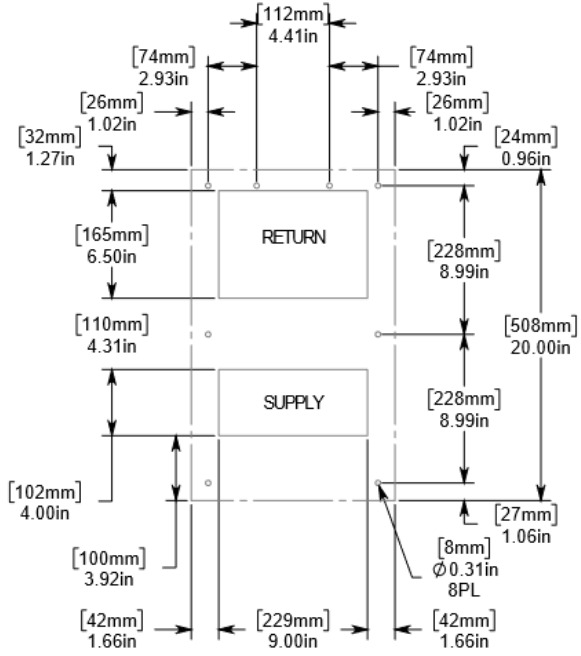
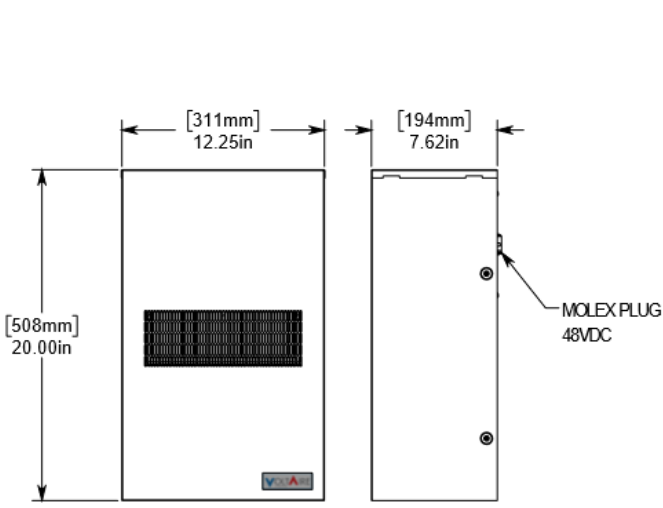
Website:  
www.voltairesys.com

Phone:  
(407) 378-7482

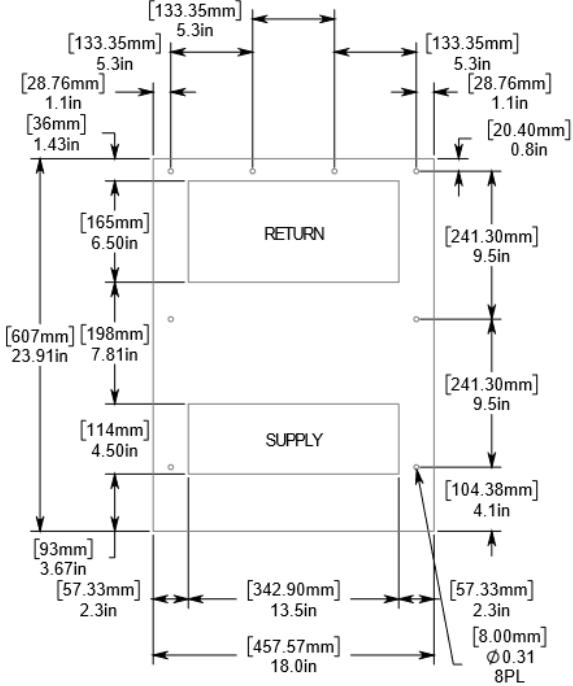
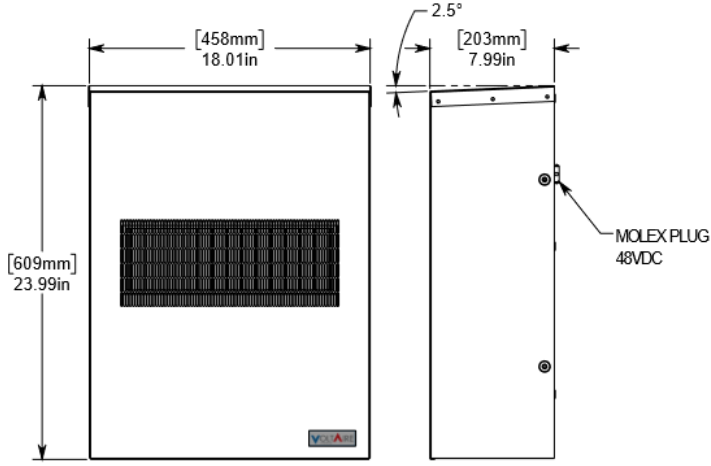
Address:  
2900 W. Orange Ave. Ste. 100  
Apopka, FL 32703

VoltAire Doc. #BC0217D  
Published April 27, 2020

### Mounting Diagrams – Overall Dimensions and Cabinet Cutouts



#### HTC015, HTC020, HTC025



#### HTC042

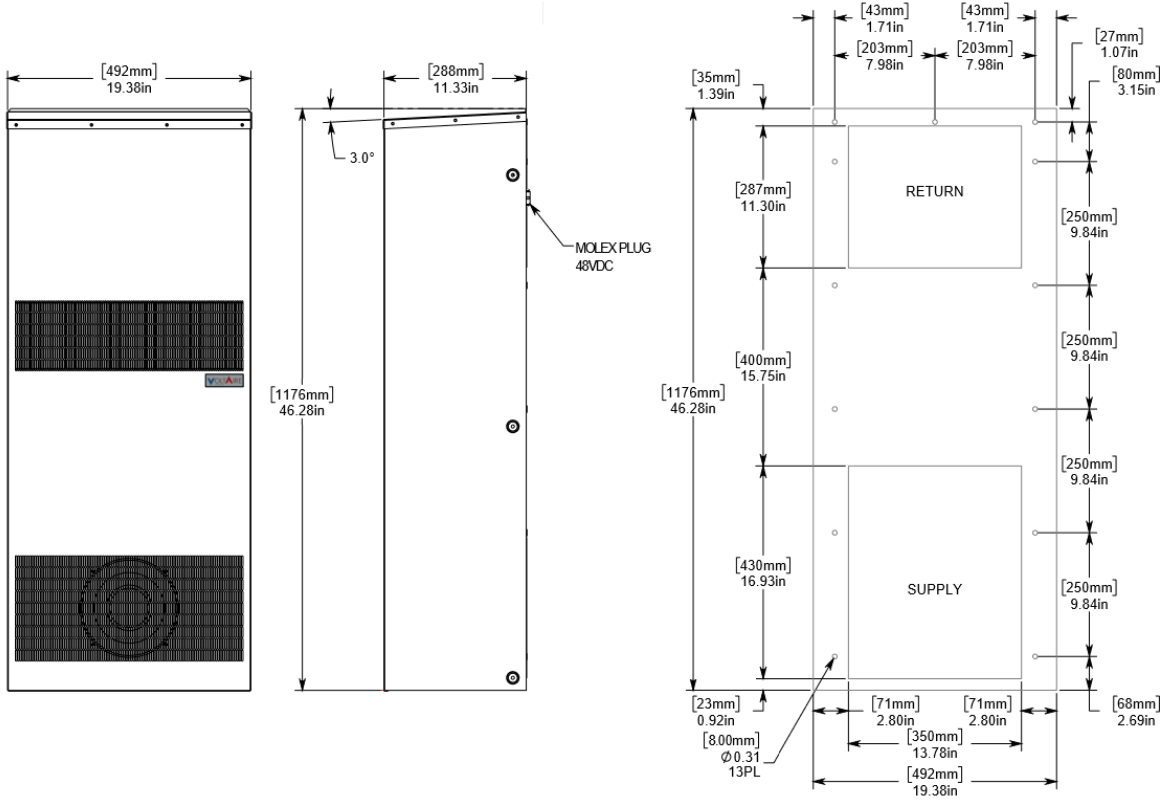


Website:  
www.voltairesys.com

Phone:  
(407) 378-7482

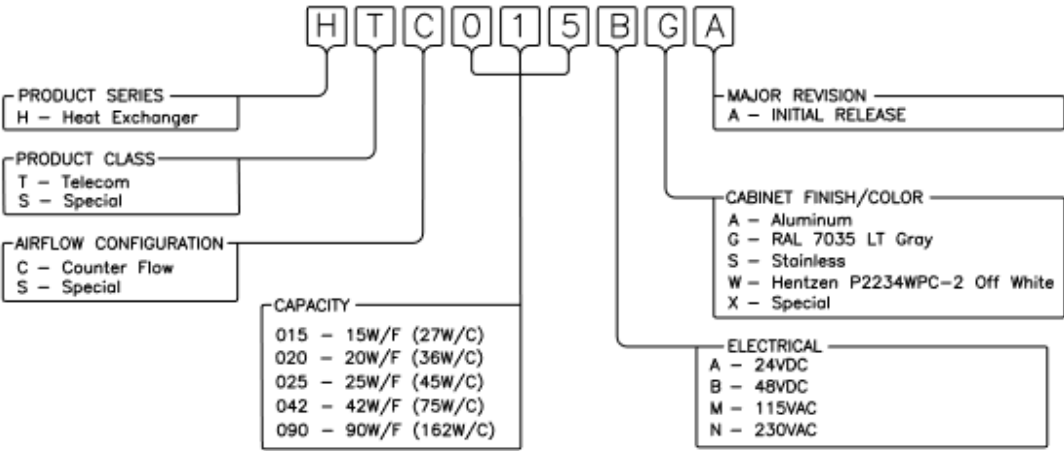
Address:  
2900 W. Orange Ave. Ste. 100  
Apopka, FL 32703

VoltAire Doc. #BC0217D  
Published April 27, 2020



HTC090

Product Nomenclature



Website:  
www.voltairesys.com

Phone:  
(407) 378-7482

Address:  
2900 W. Orange Ave. Ste. 100  
Apopka, FL 32703

VoltAire Doc. #BC0217D  
Published April 27, 2020