We connect and protect

Climaguard Air-to-Air Indoor Heat Exchangers

Specification Guide

89295413 (Rev. A)



XR20

4 W/°F (7 W/°C)

XR29-08

8 W/°F (14 W/°C)

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE

INDUSTRY STANDARDS

- UL/cUL Listed, Type 12; File No. SA7402
- UR/cUR Recognized
- CE compliant
- EAC compliant

APPLICATION

- Electrical and automation control cabinets.
- Industrial electrical enclosures operating in favorable ambient conditions.
- Indoor or protected industrial environments require compact thermal management.

FEATURES

- Modified heat pipe core design provides high efficiency and high-performance heat transfer.
- Models for support 115 VAC and 230 VAC power input.
- Operating temperature ranges from -20 °F (-29 °C) to 140 °F (60 °C).
- Environmentally responsible design with low-GWP R-513A refrigerant.
- Streamlined aesthetics with no visible mounting rails; Slim design allows for mounting to narrow or shallow enclosures.
- High-quality bearing fans and impellers provide quiet operation and enhanced reliability.
- Easy mount flanges for simple installation.
- Filter less design for low maintenance and easy cleaning.
- Four fasteners allow quick removal of the front cover for easy access.

FINISH

- RAL 7035 light-gray, semi-textured powder-coat paint standard.
- Stainless steel type 304 or 316 finishes available.
- Other colors and textures available.

XR20 MODELS 4 W/°F (7 W/°C)

Catalog Number

Catalog Number	XR200416012	XR200426012

Cooling Performance

Nominal:		
W per °F	4	4
W per °C	7	7
Refrigerant	R513A	R513A
Refrigerant Charge (ounces/grams)	4/113	4/113
Operating Temperature Range:		
Maximum (°F/°C)	140/60	140/60
Minimum (°F/°C)	-20/-29	-20/-29
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM/m^3/hr)	71/121	71/121
External loop 50 Hz (CFM/m^3/hr)	75/127	75/127
Internal loop 60 Hz (CFM/m^3/hr)	74/126	74/126
External loop 60 Hz (CFM/m^3/hr)	78/132	78/132

Electrical Data

Rated Voltage (V)	115	230
Frequency (Hz)	50/60	50/60
Operating Range	±10%	±10%
Max. Power Consumption (W at 50/60 Hz)	69	69
Max. Nominal Current (A at 50/60 Hz)	0.6	0.3
Agency Approvals	UL/cUL Listed CE EAC	
Power Input Description	Terminal Block	Terminal Block

Enclosure Protection

UL Type	Type 12 standard

Sound Level

At 1.5 Meters	56 dB(A)

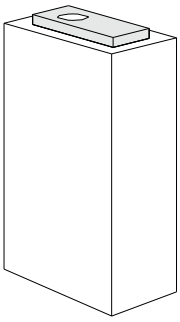
Unit Construction

Material	Mild steel sheet metal standard Stainless steel optional
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard

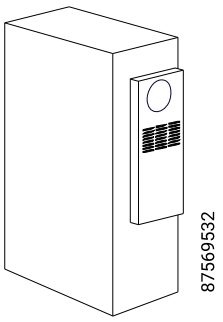
Unit Dimensions

Height (in/mm)	20/508	20/508
Width (in/mm)	7.5/190.5	7.5/190.5
Depth (in/mm)	3/76.2	3/76.2
Weight (lb/kg)	12/5.4	12/5.4

Mounting Options

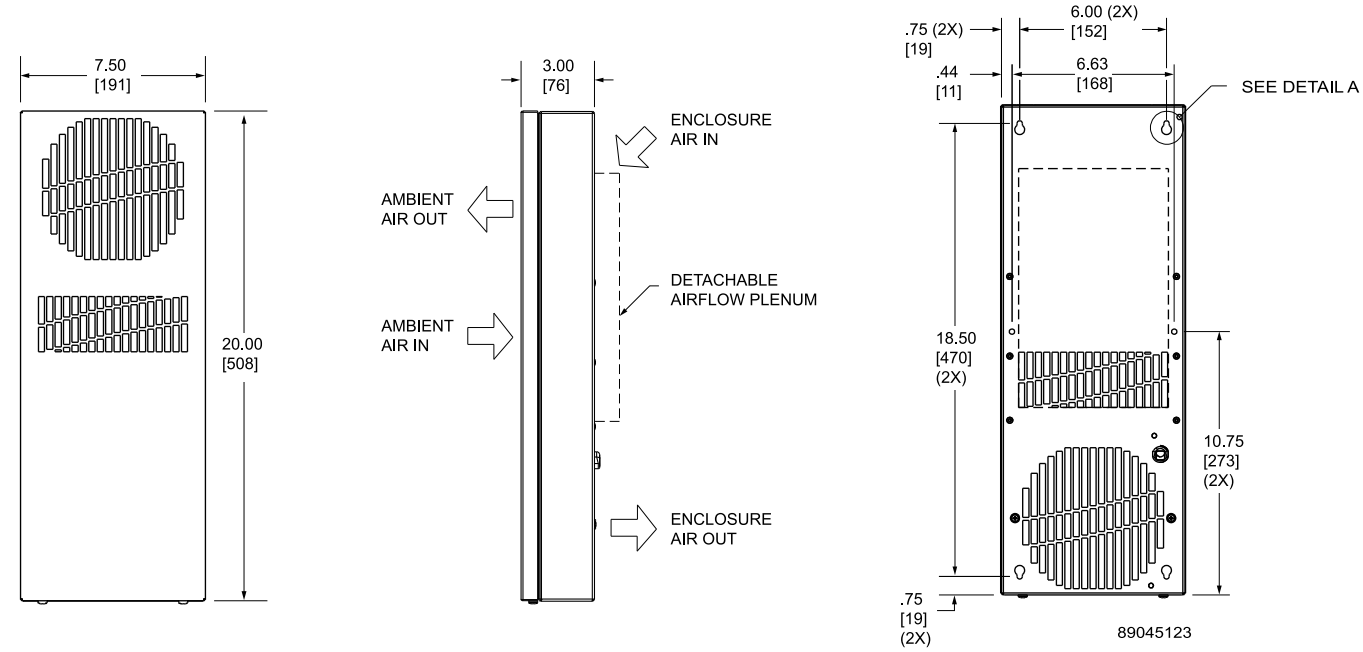


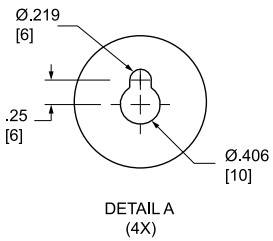
External Top-Mount

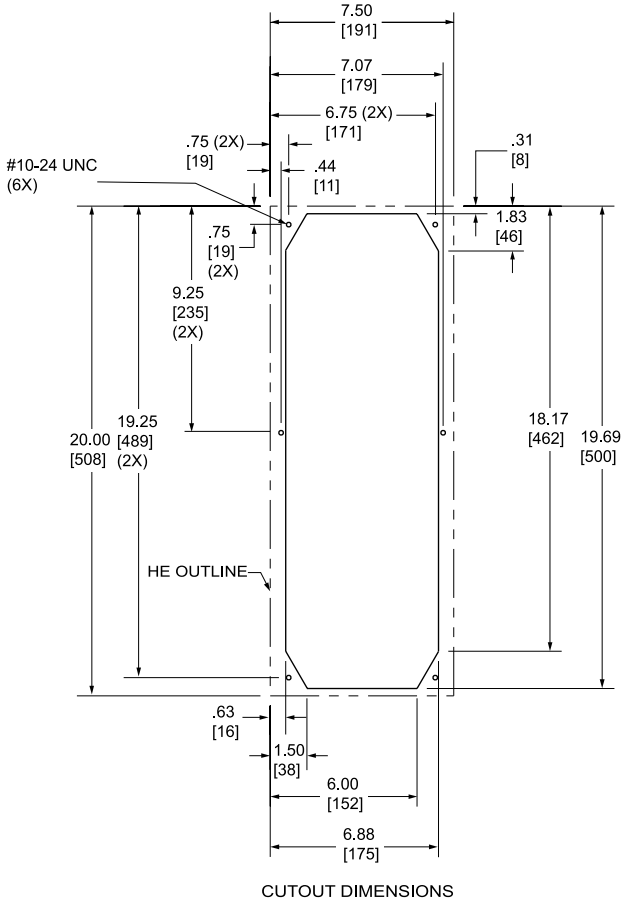


External Vertical-Mount

Dimension Drawings







NOTE:
1. MOUNTING GASKET SUPPLIED (NOT SHOWN)
2. UNITS: in [mm]

Visit nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.

XR29 MODELS 8 W/°F (14 W/°C)

Catalog Number

Catalog Number	XR290816012	XR290826012

Cooling Performance

Nominal:		
W per °F	8	8
W per °C	14	14
Refrigerant	R513A	R513A
Refrigerant Charge (ounces/grams)	5.5/156	5.5/156
Operating Temperature Range:		
Maximum (°F/°C)	140/60	140/60
Minimum (°F/°C)	-20/-29	-20/-29
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM/m^3/hr)	71/121	71/121
External loop 50 Hz (CFM/m^3/hr)	75/127	75/127
Internal loop 60 Hz (CFM/m^3/hr)	74/126	74/126
External loop 60 Hz (CFM/m^3/hr)	78/132	78/132

Electrical Data

Rated Voltage (V)	115	230
Frequency (Hz)	50/60	50/60
Operating Range	±10%	±10%
Max. Power Consumption (W at 50/60 Hz)	69	69
Max. Nominal Current (A at 50/60 Hz)	0.6	0.3
Agency Approvals	UL/cUL Listed CE EAC	
Power Input Description	Terminal Block	Terminal Block

Enclosure Protection

UL Type	Type 12 standard

Sound Level

At 1.5 Meters	56 dB(A)

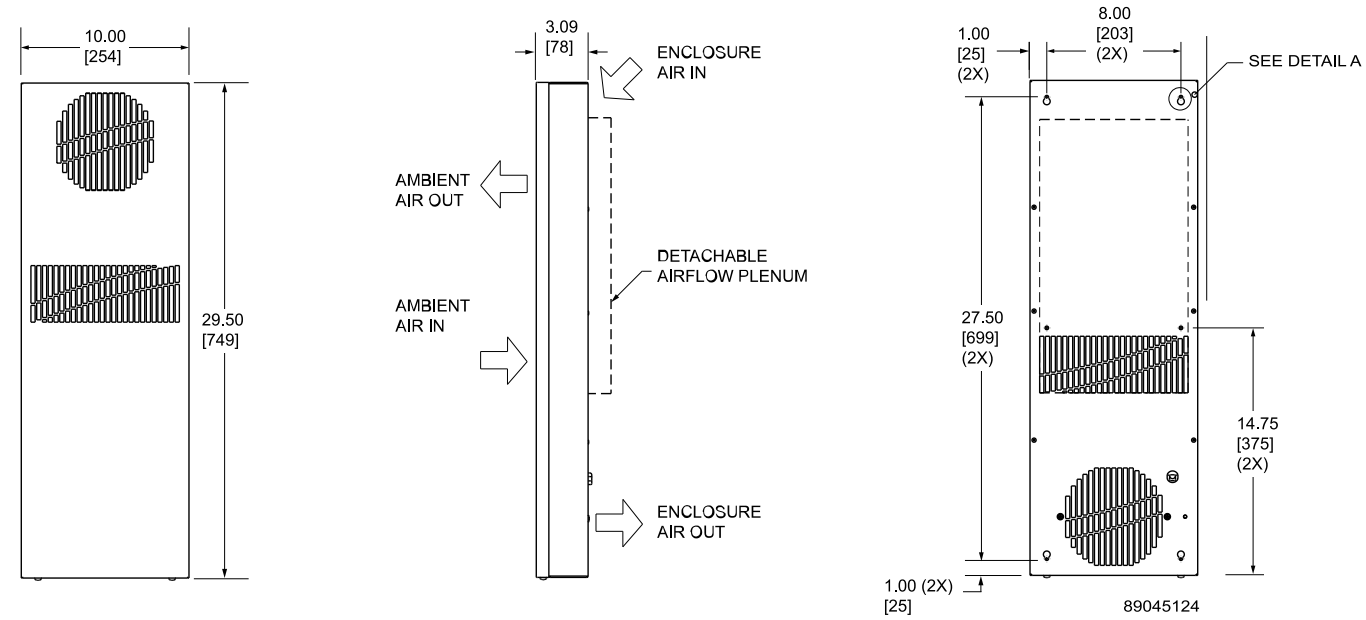
Unit Construction

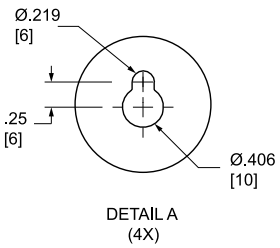
Material	Mild steel sheet metal standard Stainless steel optional
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard

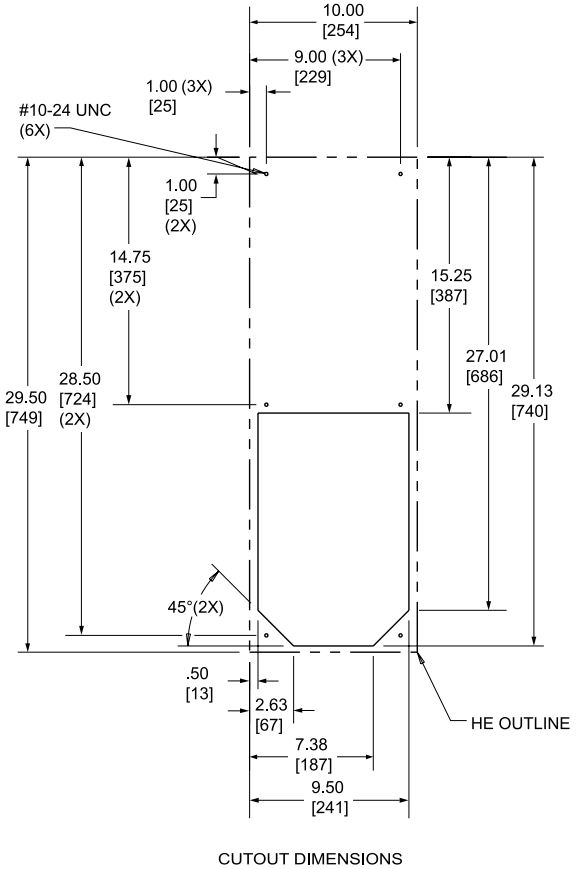
Unit Dimensions

Height (in/mm)	29.5/749.3	29.5/749.3
Width (in/mm)	10/254	10/254
Depth (in/mm)	3.09/78.5	3.09/78.5
Weight (lb/kg)	21/9.5	21/9.5

Dimension Drawings







CUTOUT DIMENSIONS

NOTE:
1. MOUNTING GASKET SUPPLIED (NOT SHOWN)
2. UNITS: in [mm]

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