nVent | HOFFMAN

We connect and protect

ProAir Harsh Environment Sealed Enclosure Cooling



CR23
1600 BTU/Hr
469 Watt



CR29
2700 and 4000 BTU/Hr
791 and 1172 Watts



CR43
6000 & 8000 BTU/Hr
1758 and 2344 Watts

INDUSTRY STANDARDS

UL/cUL Listed; type 12, 3R, 4; 4X optional;
File no. SA6453
UR/cUR Recognized
UR/cUR Recognized on select models, reference performance data tables.
CE
EAC

OPTIONS

- Thermostat malfunction Package
- Special Voltage Package
- Outdoor Package*
- Harsh environment Package*
- Stainless Steel Package*
- Heater Package*

* T-Series may be more appropriate. Refer to T-Series A/C section. Consult the factory for availability and catalog number.

APPLICATION

- Industrial automation
- Package handling equipment
- Food and beverage
- Wastewater treatment
- Security and defense systems
- And more

FEATURES

- Robust reciprocating compressor
- Easy maintenance: hinged front cover allows quick access to all components; condenser coil can be cleaned while unit is still mounted to the cabinet
- R134a and R513A earth-friendly refrigerant
- Models for 115, 230 and 460 single phase VAC power input
- UL Listed or Recognized to save customers time and money with agency approvals
- Operating temperature range from -40°F/-40°C to 131°F/55°C (with optional low-ambient package)
- Attractive industrial design with minimal use of visible fasteners
- Reliable mechanical thermostat located behind the filter of the unit
- Low-carbon mild-steel sheet-metal cover for rugged factory and outdoor environments
- Easy-mount flanges for simple installation
- Cleanable reusable aluminum mesh filter protects coils for maximum cooling performance
- Mounting hardware, gaskets and user manual furnished with the unit
- Every unit functionally tested before shipping
- High-performance fans and blowers designed for densely packed enclosures
- Standard Indoor Air conditioner models also include:
  - Electro-mechanical thermostat
  - Surge Suppressor

FINISH

- RAL 7035 light-gray, semi-textured powder-coat paint standard
- Stainless steel Type 304 or 316 finishes available on Type 4X models
- Other colors and textures available

PERFORMANCE DATA CR23 MODELS 1600 BTU/HR (469 WATT)

Catalog Number

Indoor Model	CR230216G002	CR230226G002	CR230246G400
Indoor Level 2 Controller	CR230216G016	–	–
Outdoor Type 3R	CR230216G013	CR230226G030	–
Outdoor/SST/Corrosion Type 3R	CR230216G007	CR230226G009	–
Outdoor/SST/Level 2 Type 3R	CR230216G017	CR230226G016	–
Indoor/Outdoor/SST/Corrosion Type 4X	CR230216G015	CR230226G014	CR230226G037

Cooling Performance

Nominal:			
BTU/Hr (50/60 Hz)	1667/1733	1667/1733	1667/1733
Watts (50/60 Hz)	489/508	489/508	489/508
Refrigerant	R134a or R513A	R134a or R513A	R134a or R513A
Refrigerant Charge (ounces/grams)	10.5/298	10.5/298	10.5/298
Operating Temperature Range:			
Maximum (°F/°C)	131/55	131/55	131/55
Minimum (°F/°C) (Low Ambient Pkg)	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:			
Internal loop 50Hz (CFM/m^3/hr)	117/199	117/199	117/199
External loop 50Hz (CFM/m^3/hr)	86/146	86/146	86/146
Internal loop 60Hz (CFM/m^3/hr)	130/221	130/221	130/221
External loop 60Hz (CFM/m^3/hr)	95/161	95/161	95/161

Electrical Data

Rated Voltage	115	230	440V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (Watts at 50/60Hz)	338/353	338/353	338/353
Max. Nominal Current (Amps at 50/60Hz)	3.7/3.4	1.5/1.7	0.8/0.9
Starting Current (Amps)	6.3	9.2	4.6
Agency Approvals	UL/cUL Listed CE EAC		cUR Recognized CE EAC
Power Input Description	6-ft. cord with NEMA 5-15 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads

Enclosure Protection

UL Type	Type 12, 3R standard Type 4, 4X Stainless steel optional

Controller

Description	Basic mechanical thermostat
Thermostat Location	Behind cover
Factory Thermostat Setting (°F/°C)	80/27

Sound Level

At 1.5 Meters	62 dB(A)

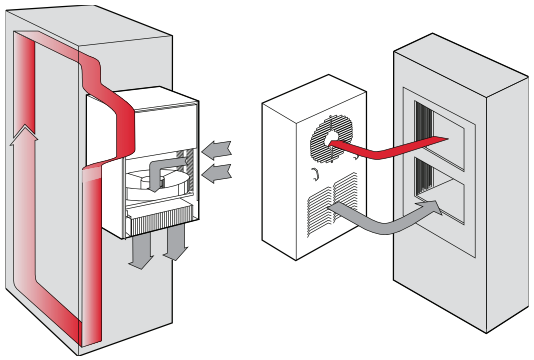
Unit Construction

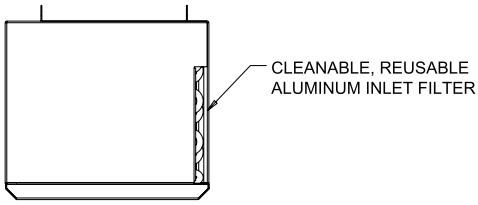
Material	Mild steel sheet metal standard Stainless steel optional
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard

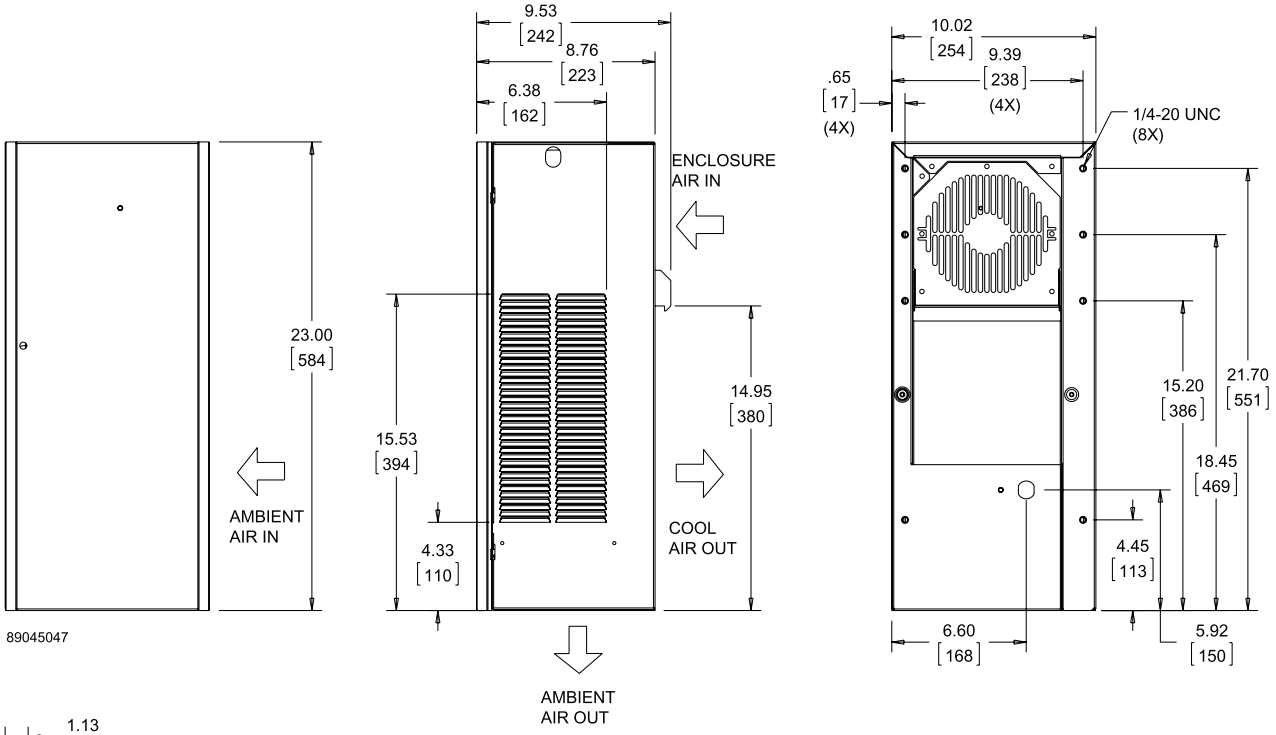
Unit Dimensions

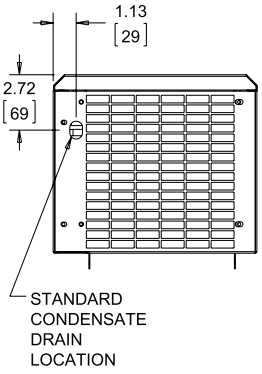
Height (in/mm)	23/584	23/584
Width (in/mm)	10/254	10/254
Depth (in/mm)	8.75/222	8.75/222
Weight (lb/kg)	57/26	67/30

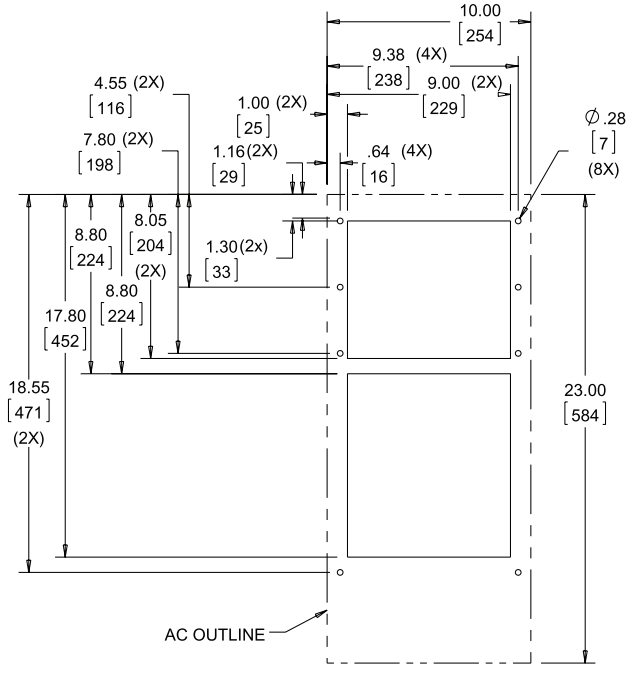
CR23 MODELS 1600 BTU/HR (469 WATT)









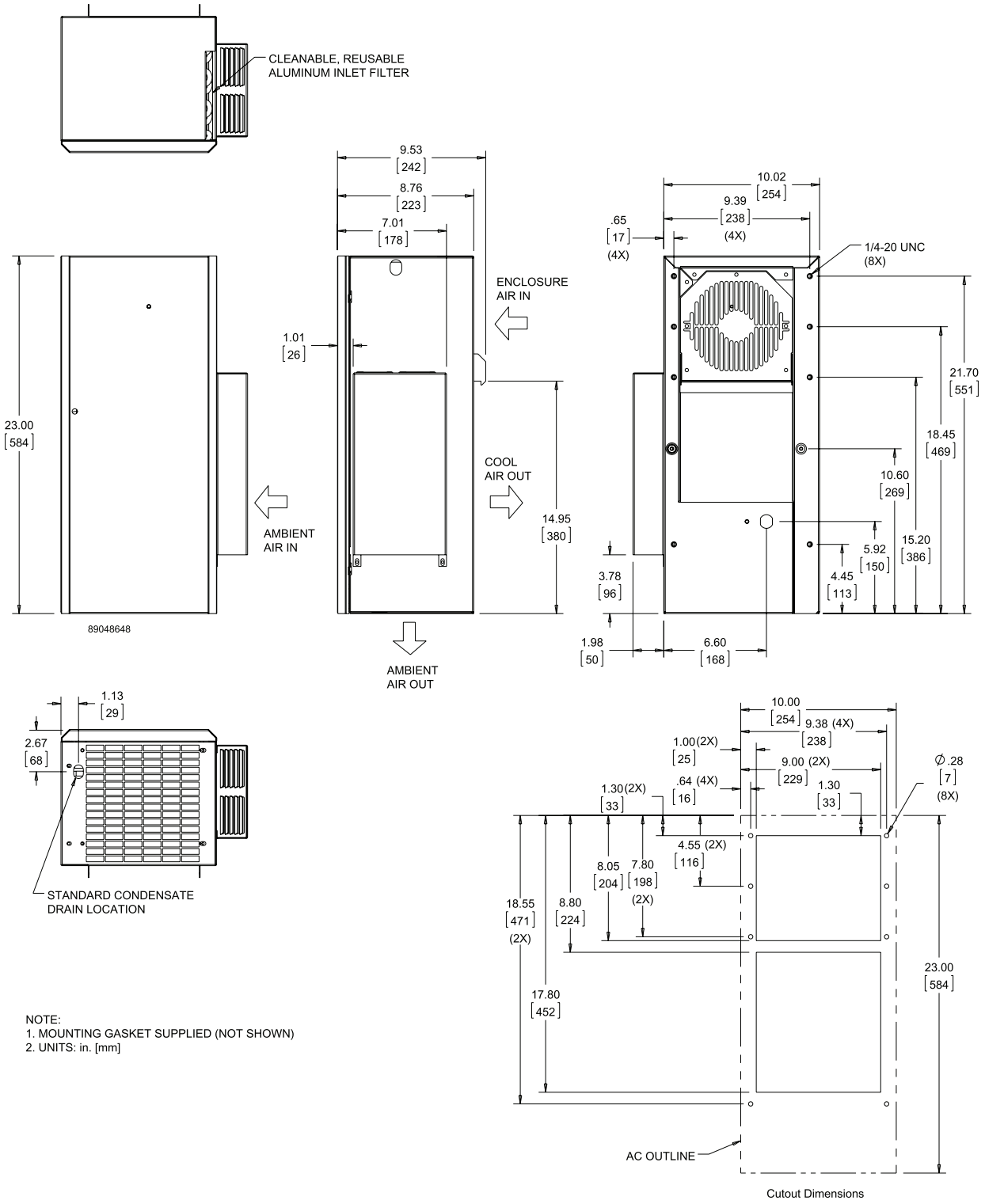


Cutout Dimensions

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

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

CR23 MODELS 1600 BTU/HR (469 WATT) WITH TYPE 4X HOOD



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2. UNITS: in. [mm]

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PERFORMANCE DATA CR29 MODELS 2700/4000 BTU/HR (791/1172 WATT)

Catalog Number

Indoor Model	CR290216G002	CR290226G002	CR290246G400	CR290416G002	CR290426G002	CR290446G400
Indoor Level 2 Controller	CR290216G030	CR290226G030	–	CR290416G047	CR290426G027	–
Outdoor Type 3R	CR290216G035	–	–	CR290416G045	CR290426G022	–
Outdoor/SST/Corrosion Type 3R	CR290216G013	CR290226G010	CR290246G401	CR290416G030	CR290426G017	–
Outdoor/SST/Level 2 Type 3R	–	–	–	CR290416G052	–	–
Indoor/Outdoor/SST/ Corrosion Type 4X	CR290216G036	CR290226G037	–	CR290416G068	CR290426G054	–

Cooling Performance

Nominal:						
BTU/Hr (50/60Hz)	2600/3000	2600/2700	2600/2700	3500/4000	3500/4000	3500/4000
Watts (50/60Hz)	761/879	761/791	761/791	1025/1172	1025/1172	1026/1172
Refrigerant	R134a or R513A	R134a or R513A	R134a or R513A	R134a or R513A	R134a or R513A	R134a or R513A
Refrigerant Charge (ounces/grams)	11/312	11/312	11/312	11/312	11/312	11/312
Operating Temperature Range:						
Maximum (°F/°C)	131/55	131/55	131/55	131/55	131/55	131/55
Minimum (°F/°C) (Low Ambient Pkg)	-40/-40	-40/-40	-40/-40	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:						
Internal loop 50Hz (CFM/m^3/hr)	141/239	141/239	141/239	141/239	141/239	141/239
External loop 50Hz (CFM/m^3/hr)	235/399	235/399	235/399	235/399	235/399	235/399
Internal loop 60Hz (CFM/m^3/hr)	157/266	157/266	157/266	157/266	157/266	157/266
External loop 60Hz (CFM/m^3/hr)	261/443	261/443	261/443	261/443	261/443	261/443

Electrical Data

Rated Voltage	115	230	460V 1PH	115	230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (Watts at 50/60Hz)	1058/897	851/828	920/874	1116/1253	1081/1127	1104/1150
Max. Nominal Current (Amps at 50/60Hz)	9.2/7.8	3.7/3.6	2.0/1.9	12.7/12.1	4.7/4.9	2.4/2.5
Starting Current (Amps)	31.5	15	7.7	44.5	18	9
Agency Approvals	UL/cUL Listed CE; EAC		cUR Recognized CE; EAC	UL/cUL Listed CE EAC		cUR Recognized CE EAC
Power Input Description	6-ft. cord with NEMA 5-15 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads	6-ft. cord with NEMA 5-20 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads

Enclosure Protection

UL Type	Type 12, 3R standard Type 4, 4X Stainless steel optional	Type 12, 3R standard 4, 4X Stainless steel optional

Controller

Description	Basic mechanical thermostat	Basic mechanical thermostat
Thermostat Location	Behind cover	Behind cover
Factory Thermostat Setting (°F/°C)	80/27	80/27

Sound Level

At 1.5 Meters	68 dB(A)	68 dB(A)

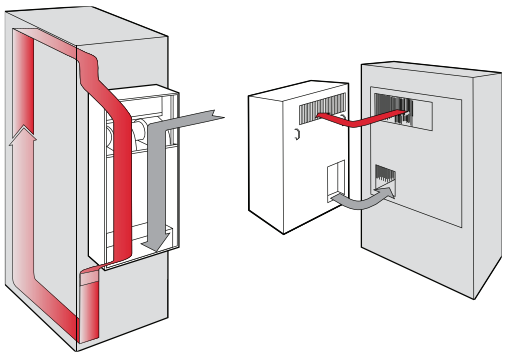
Unit Construction

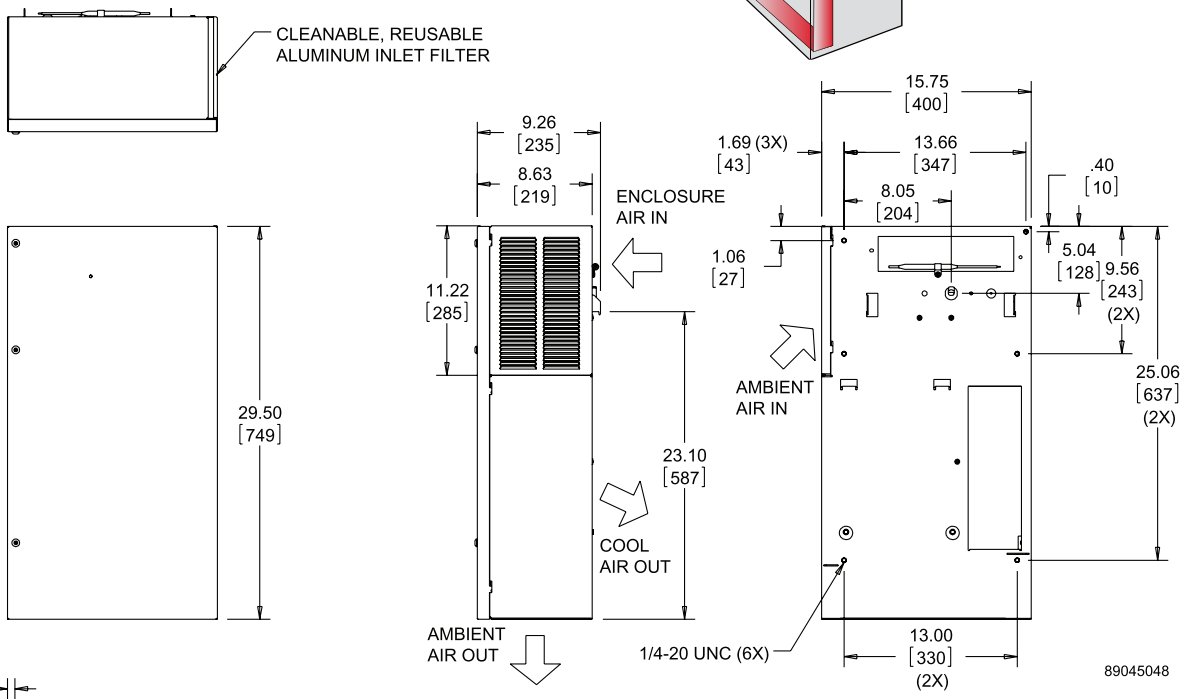
Material	Mild steel sheet metal standard Stainless steel optional	Mild steel sheet metal standard Stainless steel optional
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard	RAL 7035 light-gray, semi-textured powder-coat paint standard

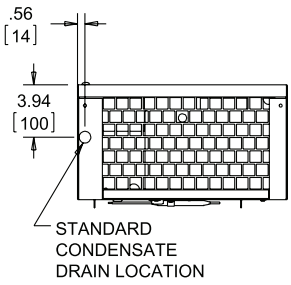
Unit Dimensions

Height (in/mm)	29.5/749			29.5/749		
Width (in/mm)	15.75/400			15.75/400		
Depth (in/mm)	8.63/219			8.63/219		
Weight (lb/kg)	98/44	98/44	108/49	118/54	118/54	128/58

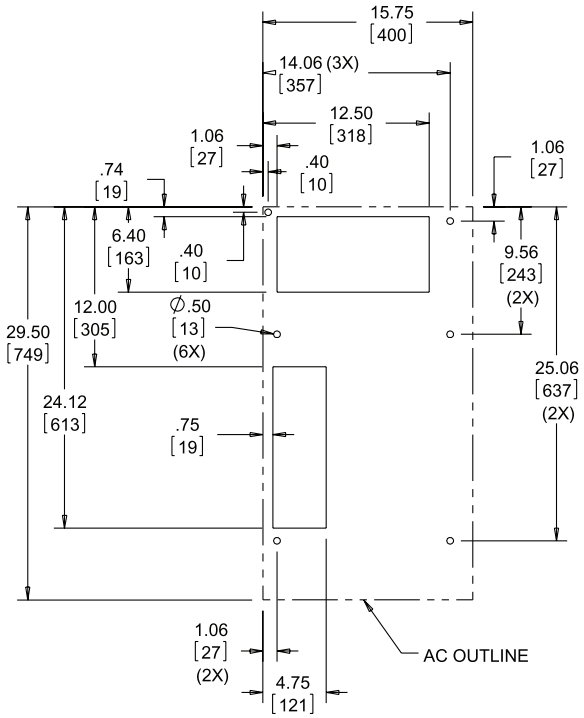
PERFORMANCE DATA CR29 MODELS 2700/4000 BTU/HR (791/1172 WATT)





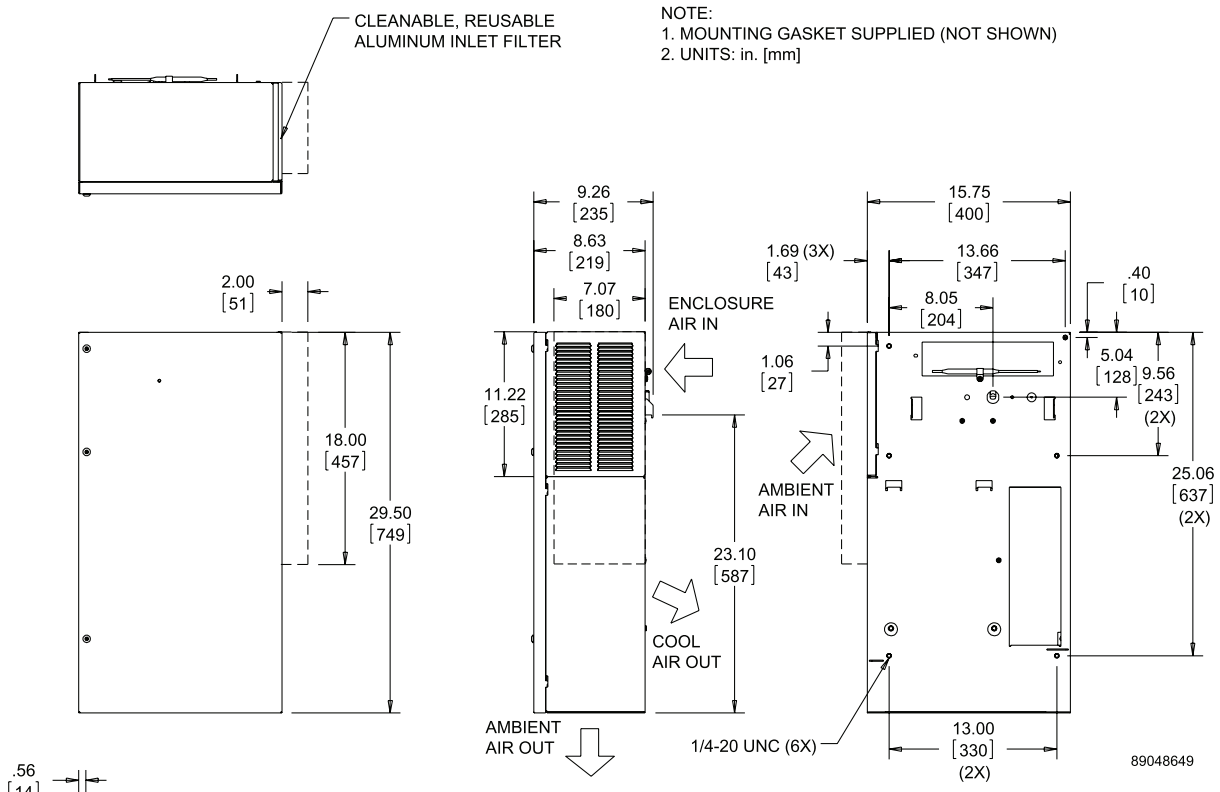


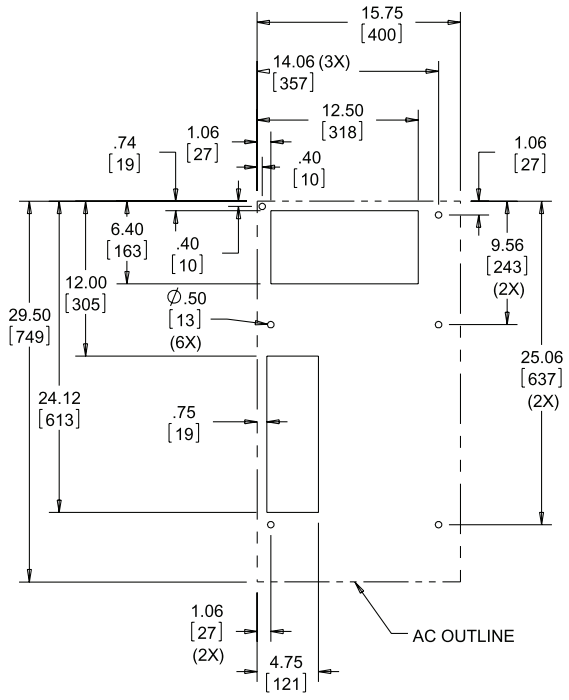
NOTE:
1. MOUNTING GASKET SUPPLIED (NOT SHOWN)
2. UNITS: in. [mm]



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PERFORMANCE DATA CR43 MODELS 6000/8000 BTU/HR (1758/2344 WATT)

Catalog Number

Indoor Model	CR430616G002	CR430626G002	CR430646G004	CR430816G002	CR430826G002	CR430826G089
Indoor Level 2 Controller	CR430616G016	CR430626G018	–	CR430816G021	CR430826G026	–
Outdoor Type 3R	CR430616G013	CR430626G014	–	CR430816G038	CR430826G007	–
Outdoor/SST/Corrosion Type 3R	CR430616G004	–	–	CR430816G010	CR430826G037	–
Outdoor/SST/ Level 2 Type 3R	–	CR430626G020	–	CR430816G023	CR430826G024	–
Indoor/Outdoor/SST/ Corrosion Type 4X	CR430616G031	CR430626G034	CR430626G074	CR430816G036	CR430826G038	CR430846G401

Cooling Performance

Nominal:						
BTU/Hr (50/60Hz)	5500/6000	5500/6000	5500/6000	7100/8000	7100/8000	7100/8000
Watts (50/60Hz)	1611/1758	1611/1758	1611/1758	2080/2344	2080/2344	2080/2344
Refrigerant	R134a or R513A	R134a or R513A	R134a or R513A	R134a or R513A	R134a or R513A	R134a or R513A
Refrigerant Charge (ounces/grams)	26/737	25/709	25/709	26/737	25/709	25/709
Operating Temperature Range:						
Maximum (°F/°C)	131/55	131/55	131/55	131/55	131/55	131/55
Minimum (°F/°C) (Low Ambient Pkg)	-40/-40	-40/-40	-40/-40	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:						
Internal loop 50Hz (CFM/m^3/hr)	320/543	226/384	226/384	320/543	226/384	226/384
External loop 50Hz (CFM/m^3/hr)	480/815	470/798	470/798	480/815	470/798	470/798
Internal loop 60Hz (CFM/m^3/hr)	368/625	255/433	255/433	368/625	255/433	255/433
External loop 60Hz (CFM/m^3/hr)	544/924	540/917	540/917	544/924	540/917	540/917

Electrical Data

Rated Voltage	115	230	460V 1PH	115	230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (Watts at 50/60Hz)	1460	958/1182	958/1182	1460	958/1182	958/1182
Max. Nominal Current (Amps at 50/60Hz)	9.8/10.2	4.9/5.0	2.5/2.5	9.8/10.2	4.9/5.0	2.5/2.5
Starting Current (Amps)	39.5	21	11	39.5	21	11
Agency Approvals	UL/cUL Listed CE EAC Others available upon request		cUR Recognized CE EAC	UL/cUL Listed CE EAC Others available upon request		cUR Recognized CE EAC
Power Input Description	6-ft. cord with NEMA 5-20 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads	6-ft. cord with NEMA 5-20 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads

Enclosure Protection

UL Type	Type 12, 3R standard Type 4, 4X Stainless steel optional	Type 12, 3R standard 4, 4X Stainless steel optional

Controller

Description	Basic mechanical thermostat	Basic mechanical thermostat
Thermostat Location	Enclosure side on all base models	Enclosure side on all base models
Factory Thermostat Setting (°F/°C)	80/27	80/27

Sound Level

At 1.5 Meters	71 dB(A)	71 dB(A)

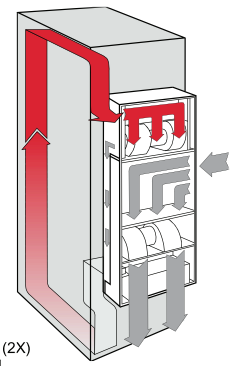
Unit Construction

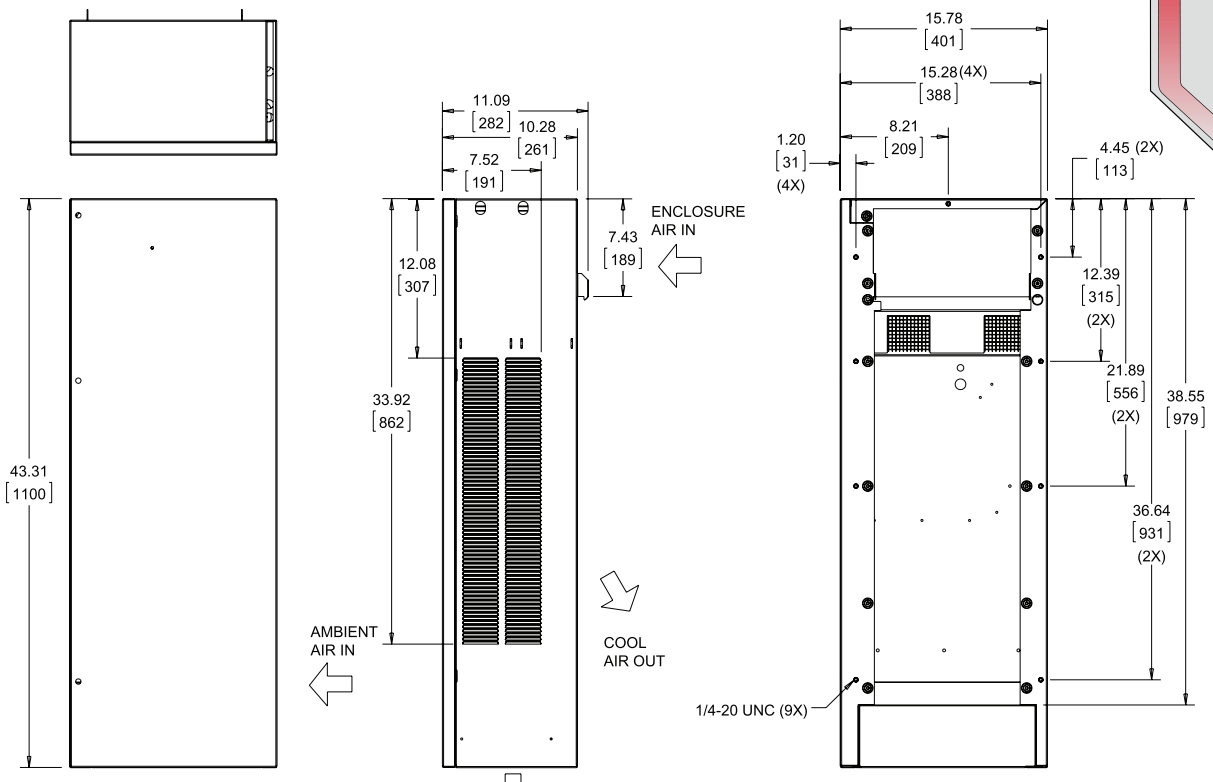
Material	Galvanized sheet metal standard Stainless steel optional	Galvanized sheet metal standard Stainless steel optional
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard	RAL 7035 light-gray, semi-textured powder-coat paint standard

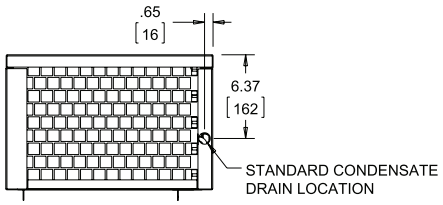
Unit Dimensions

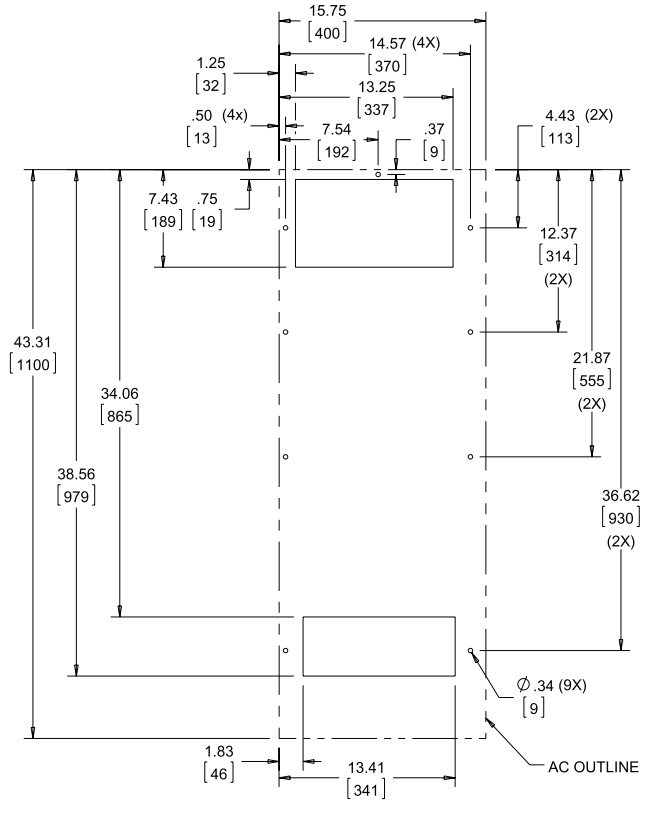
Height (in/mm)	43.31/1100			43.31/1100		
Width (in/mm)	15.75/400			15.75/400		
Depth (in/mm)	10.25/260			10.25/260		
Weight (lb/kg)	125/57	125/57	155/70	125/57	125/57	155/70

CR43 MODELS 6000/8000 BTU/HR (1758/2344 WATT)





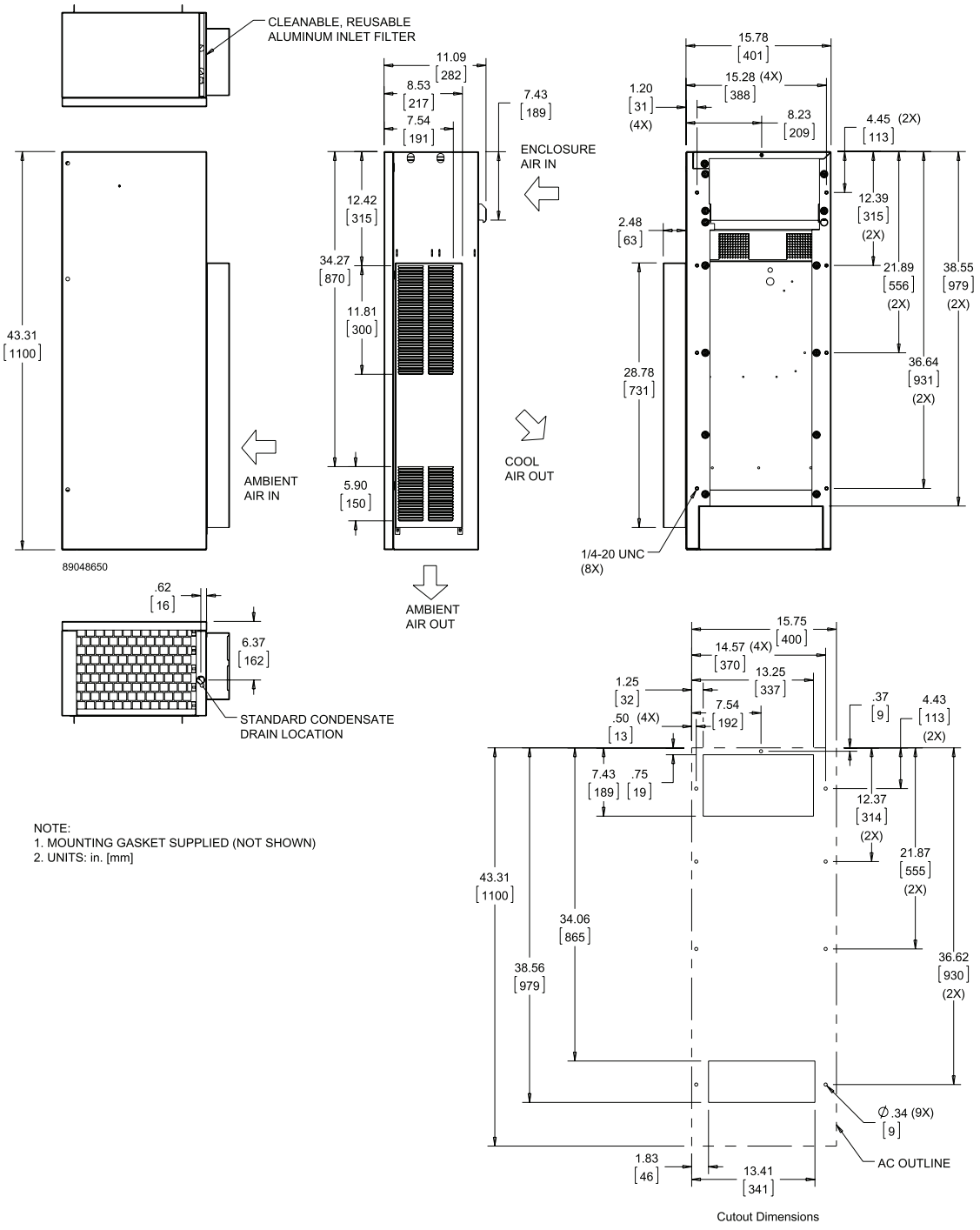




Cutout Dimensions

NOTE:
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2. UNITS: in. [mm]

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