

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

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

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.

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 (50/60Hz)	1400/1600	1667/1733	1667/1733
Watts (50/60Hz)	410/469	489/508	489/508
Refrigerant	R134a or R513A	R134a or R513A	R134a or R513A
Refrigerant Charge (ounces/grams)	10/284	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/m³/hr)	117/199	117/199	117/199
External loop 50Hz (CFM/m³/hr)	86/146	86/146	86/146
Internal loop 60Hz (CFM/m³/hr)	130/221	130/221	130/221
External loop 60Hz (CFM/m³/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)	471.5/517.5	338/353	338/353
Max. Nominal Current (Amps at 50/60Hz)	4.1/4.0	1.5/1.7	0.8/0.9
Starting Current (Amps)	18	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
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Controller

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

Sound Level

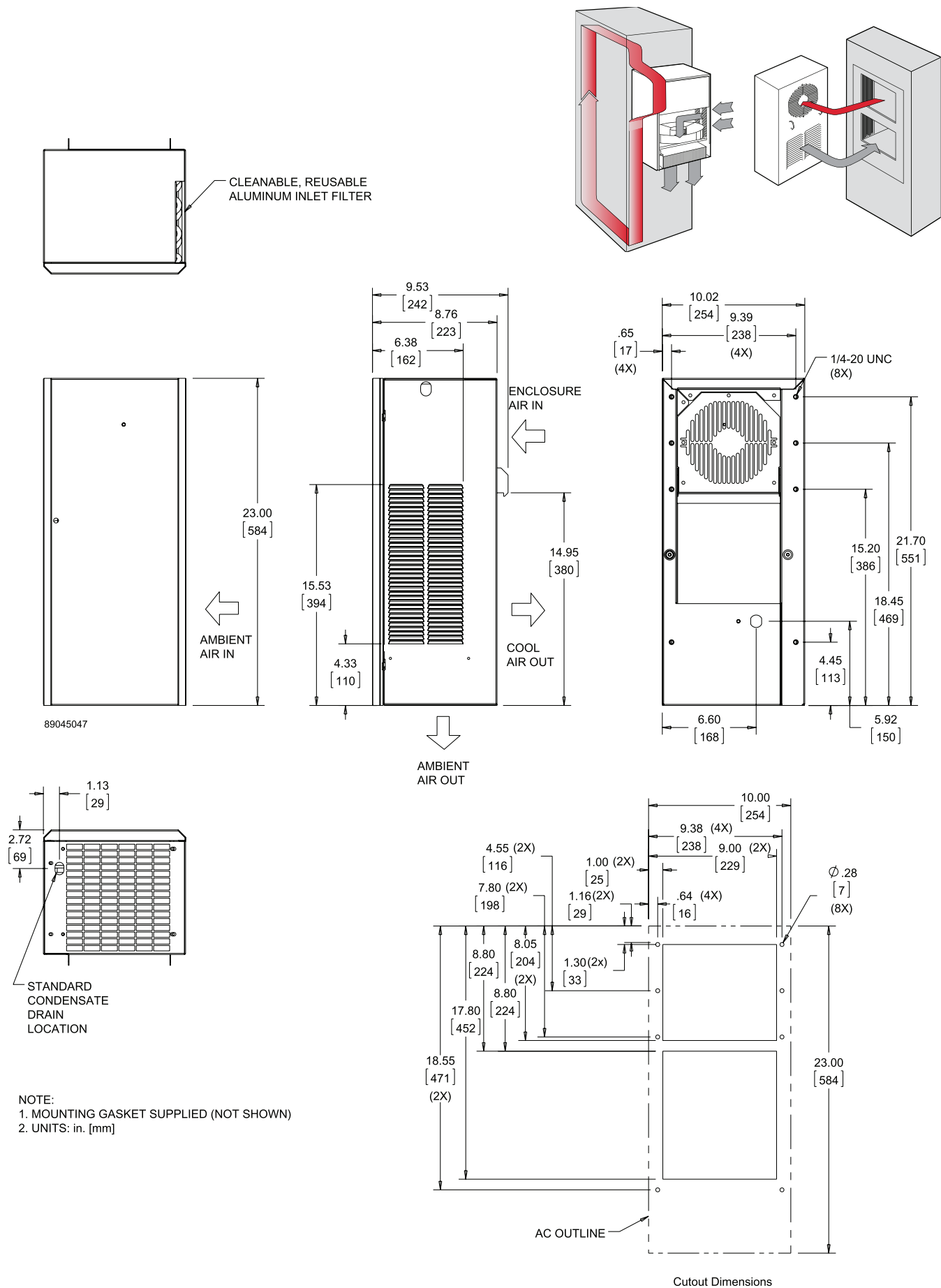
At 1.5 Meters	62 dB(A)
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Unit Construction

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

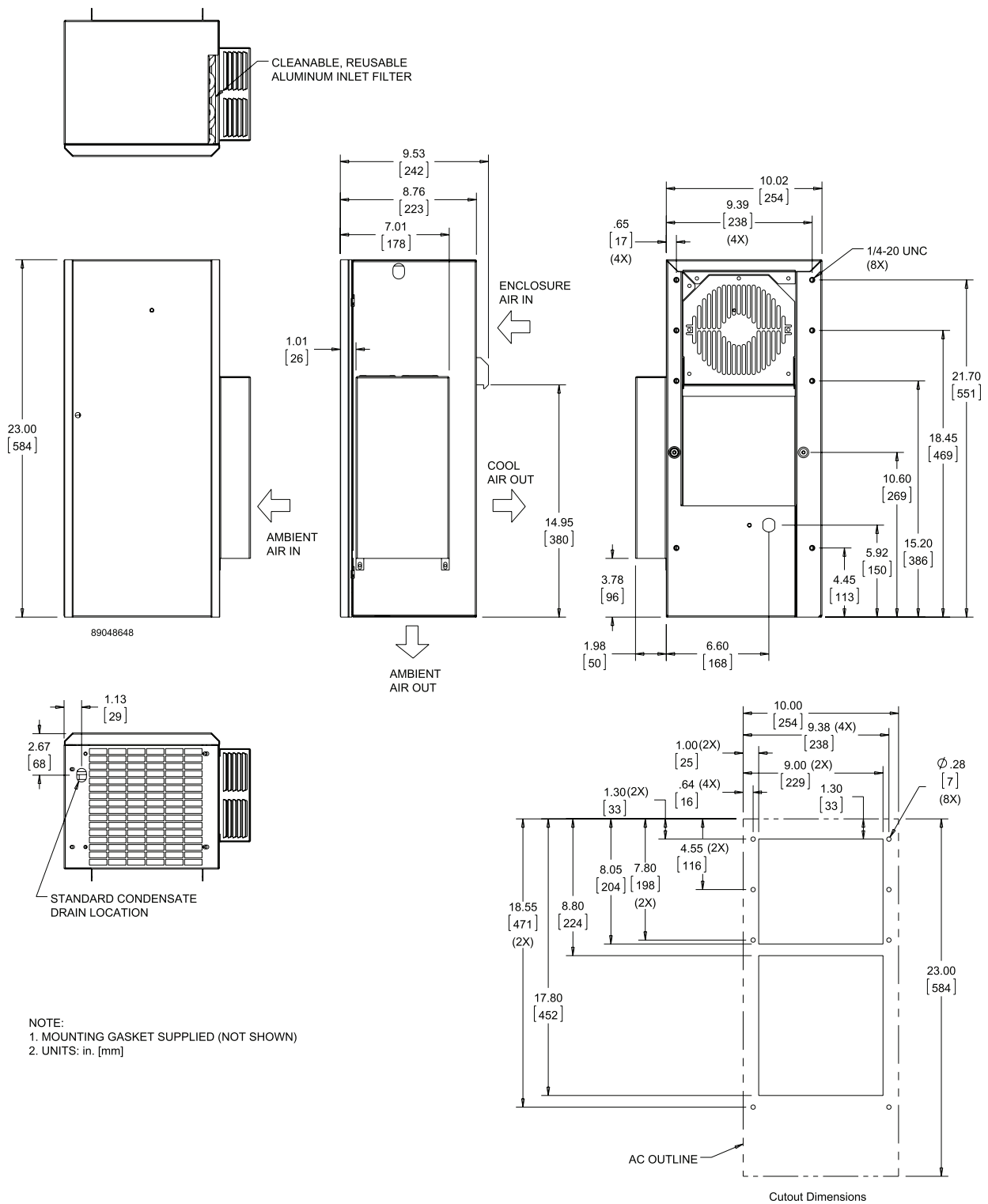
Unit Dimensions

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



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



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/m³/hr)	141/239	141/239	141/239	141/239	141/239	141/239
External loop 50Hz (CFM/m³/hr)	235/399	235/399	235/399	235/399	235/399	235/399
Internal loop 60Hz (CFM/m³/hr)	157/266	157/266	157/266	157/266	157/266	157/266
External loop 60Hz (CFM/m³/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
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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

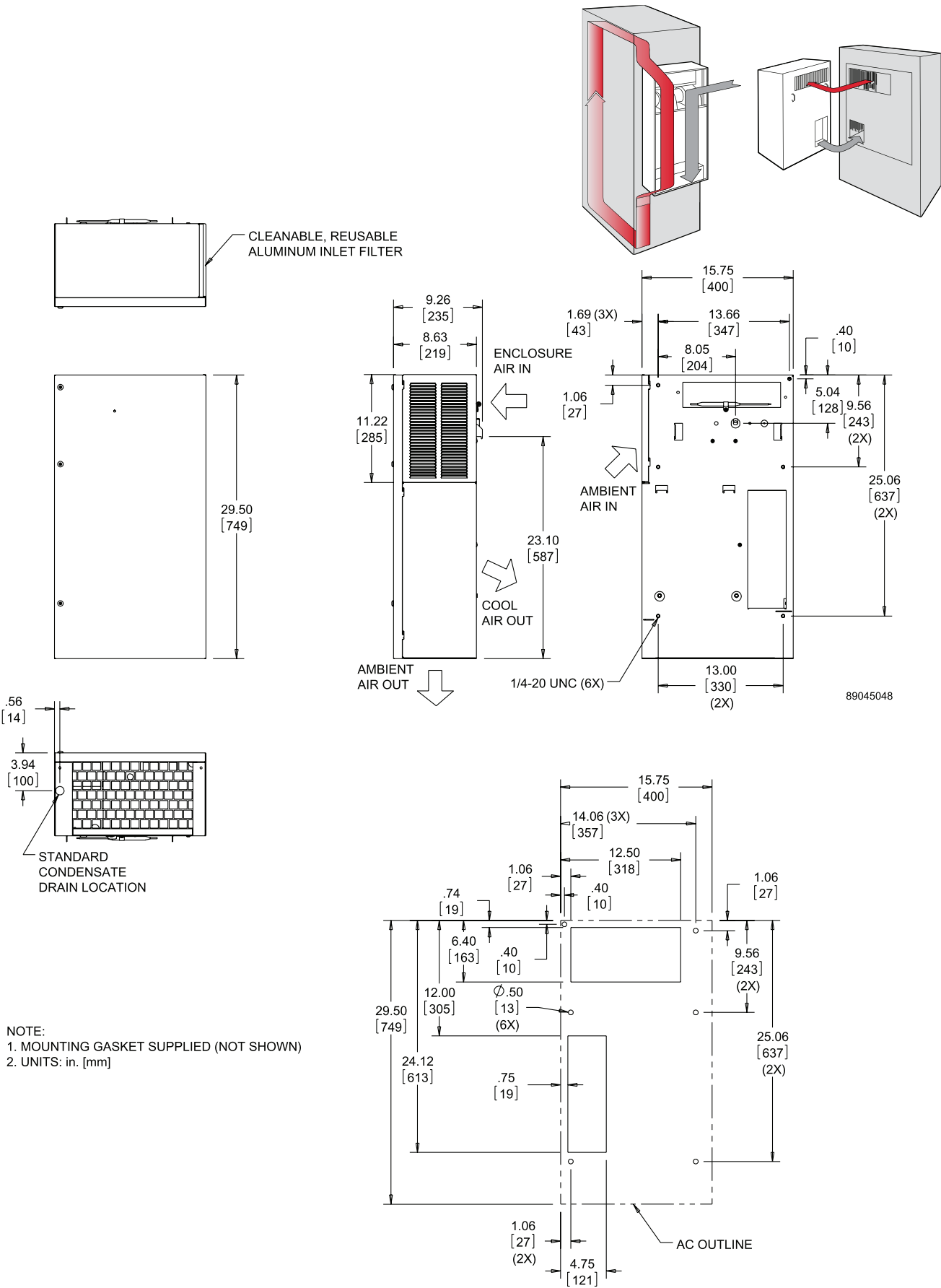
At 1.5 Meters	68 dB(A)	68 dB(A)
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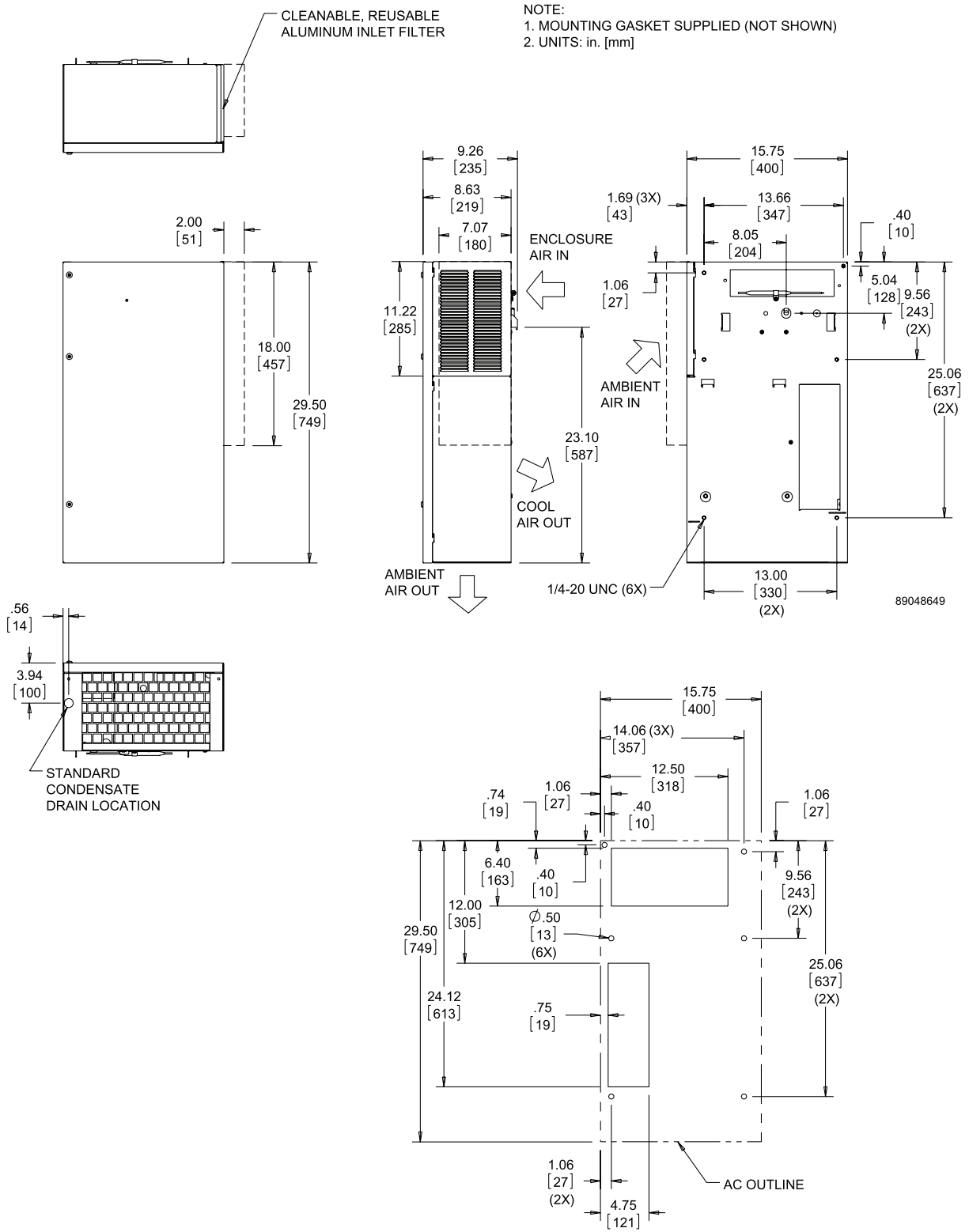
Unit Construction

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





Cutout Dimensions

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/m³/hr)	320/543	226/384	226/384	320/543	226/384	226/384
External loop 50Hz (CFM/m³/hr)	480/815	470/798	470/798	480/815	470/798	470/798
Internal loop 60Hz (CFM/m³/hr)	368/625	255/433	255/433	368/625	255/433	255/433
External loop 60Hz (CFM/m³/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
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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

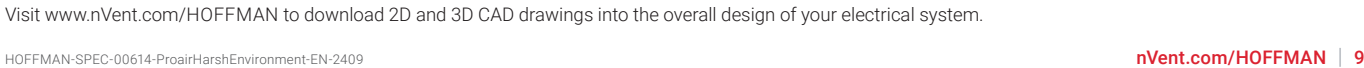
At 1.5 Meters	71 dB(A)	71 dB(A)
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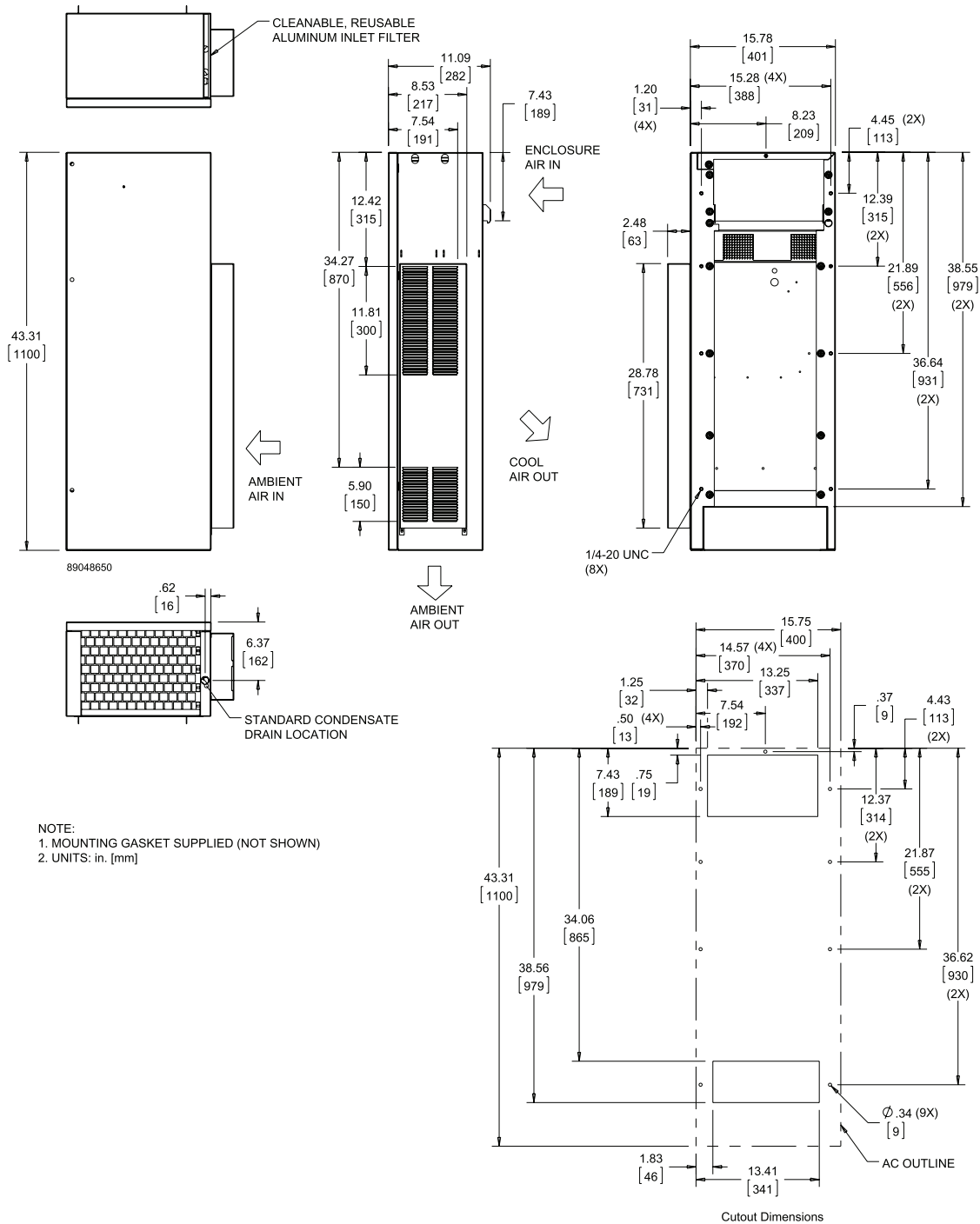
Unit Construction

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





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