PROAIR HARSH ENVIRONMENT

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 or R407c 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

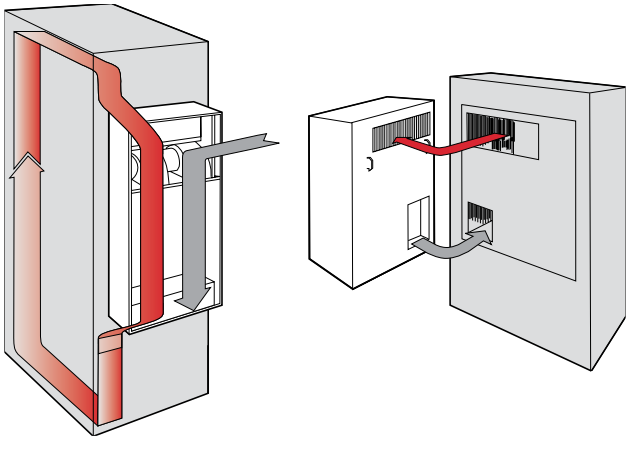
OPTIONS

- 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.

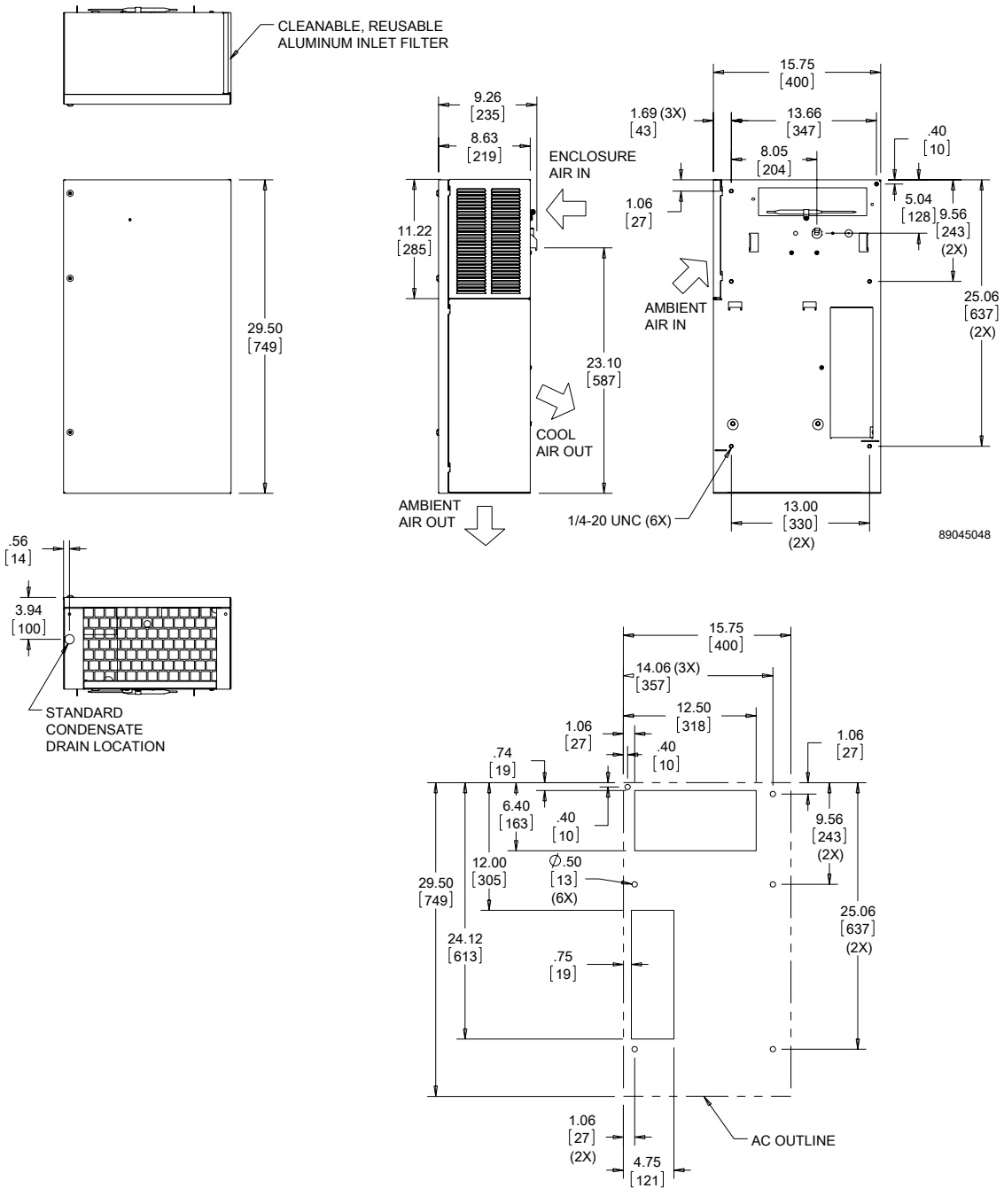
Performance Data **CR29 Models 2700/4000 BTU/Hr. (791/1172 Watt)**

CATALOG NUMBER						
Indoor Model	CR290216G002	CR290226G002	CR290246G400	CR290416G002	CR290426G002	CR290446G400
Indoor Level 2 Controller	CR290216G030	CR290226G030	CR290226G041	CR290416G047	CR290426G027	—
Outdoor Type 3R	CR290216G035	CR290226G020	—	CR290416G045	CR290426G022	—
Outdoor/SST/Corrosion Type 3R	CR290216G013	CR290226G010	CR290246G401	CR290416G030	CR290426G017	—
Outdoor/SST/Level 2 Type 3R	—	—	CR290226G058	CR290416G052	—	CR290426G101
Indoor/Outdoor/SST/Corrosion Type 4X	CR290216G036	CR290226G037	CR290226G045	CR290416G068	CR290426G054	CR290426G061
COOLING PERFORMANCE						
Nominal:						
BTU/Hr.	**2600/3000**	**2600/2700**	**2600/2700**	**3500/4000**	**3500/4000**	**3500/4000**
Watts	**761/879**	**761/791**	**761/791**	**1025/1172**	**1025/1172**	**1026/1172**
Refrigerant	R-134A	R-134A	R-134A	R-134A	R-134A	R-134A
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 50 Hz (CFM / m^3/hr.)	141/239	141/239	141/239	141/239	141/239	141/239
External loop 50 Hz (CFM / m^3/hr.)	235/399	235/399	235/399	235/399	235/399	235/399
Internal loop 60 Hz (CFM / m^3/hr.)	157/266	157/266	157/266	157/266	157/266	157/266
External loop 60 Hz (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 (W at 50/60 Hz)	1058/897	851/828	920/874	1116/1253	1081/1127	1104/1150
Max. Nominal Current (A at 50/60 Hz)	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 (A)	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



CR29 Models 2200/4000 BTU/Hr. (645/1172 Watt)

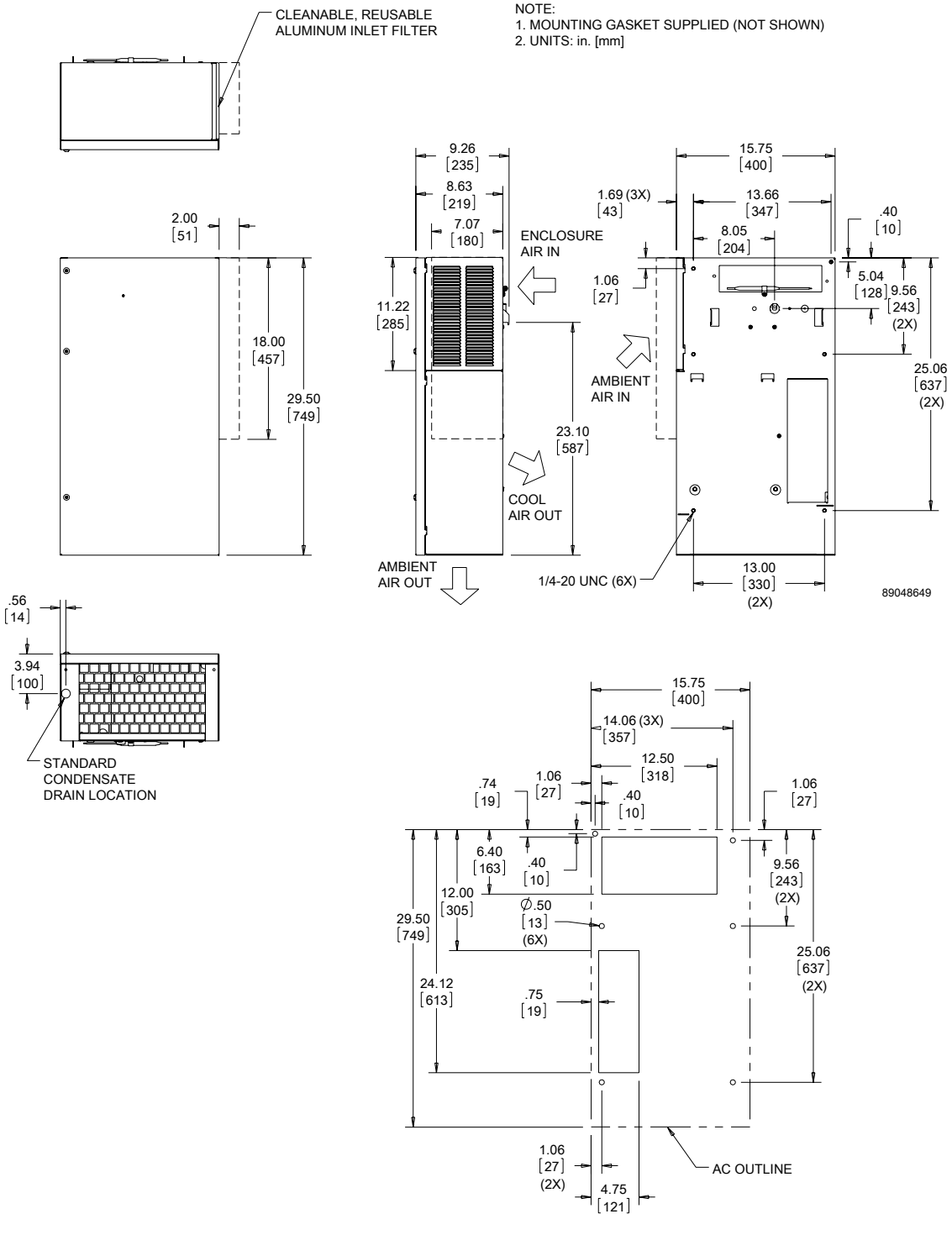
NOTE:
1. MOUNTING GASKET SUPPLIED (NOT SHOWN)
2. UNITS: in. [mm]



Cutout Dimensions

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

CR29 Models 2200/4000 BTU/Hr. (645/1172 Watt) With Type 4X Hood



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