

Water-Cooled Indoor/Outdoor Sealed Enclosure Cooling



CR43WC
8000 BTU/Hr
2345 Watt

INDUSTRY STANDARDS

UL/cUL Listed; Type 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
- Pulp and paper
- And more

FEATURES

- Robust reciprocating compressor
- R134a and R513A earth-friendly refrigerant
- Models for 115 and 230 VAC power input
- UL Listed or Recognized to save customers time and money with agency approvals
- Operating temperature range from 50°F/10°C to 125°F/52°C

- Attractive industrial design with minimal use of visible fasteners
- Reliable mechanical thermostat located behind the front panel of the unit
- Low-carbon mild-steel sheet-metal cover for rugged factory and outdoor environments
- Easy-mount flanges for simple installation
- Mounting hardware, gaskets and user manual furnished with the unit
- Every unit functionally tested before shipping
- Heat is removed from the system by means of the water cooling the refrigerant; no external air movers or condenser coils to get clogged
- Maximum water usage of 2 GPM at 90°F water intake temperature
- Standard Indoor Air conditioner models also include:
 - Electro-mechanical thermostat
 - Surge Suppressor

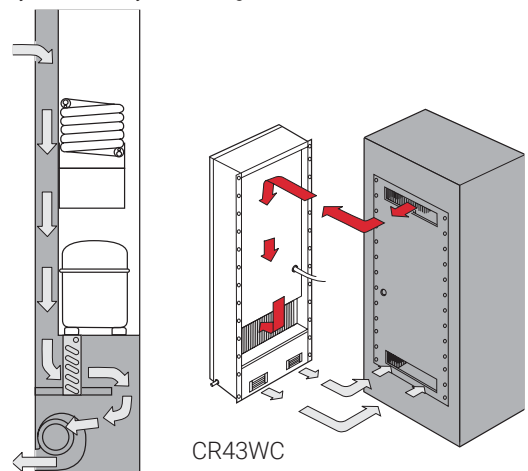
FINISH

- 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
- Active condensate evaporator Package
- Harsh environment Package*
- Stainless Steel Package*

*Consult the factory for availability and catalog number.



CR43WC

PERFORMANCE DATA CR43WC MODELS 8000 BTU/HR. (2345 WATT)**Catalog Number**

Indoor/Outdoor Model	CR430816GW010	CR430826GW010
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Cooling Performance

Nominal:		
BTU/Hr (50/60 Hz)	8500	8500
Watts (50/60 Hz)	2490	2490
Refrigerant	R134a or R513A	R134a or R513A
Refrigerant Charge (ounces/grams)	12/341	12/341
Operating Temperature Range:		
Maximum (°F/°C)	131/55	131/55
Minimum (°F/°C)	50/10	50/10
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM/m ³ /hr)	135/229	100/170
External loop 50 Hz	Waterflow: 1.5 GPM @ 90F	Waterflow: 1.5 GPM @ 90F
Internal loop 60 Hz (CFM/m ³ /hr)	145/246	110/187
External loop 60 Hz	Waterflow: 1.5 GPM @ 90F	Waterflow: 1.5 GPM @ 90F

Electrical Data

Rated Voltage	115	230
Frequency (Hz)	50/60	50/60
Operating Range	+/-10%	+/-10%
Max. Power Consumption (Watts at 50/60 Hz)	1518/1495	1518/1495
Max. Nominal Current (Amps at 50/60 Hz)	13.2/13	6.6/6.5
Starting Current (Amps)	48.3	27
Agency Approvals	UL/cUL Listed CE EAC	
Power Input Description	6-ft. cord with NEMA 5-15 plug	6-ft. cord with NEMA 6-15 plug

Enclosure Protection

UL Type	Type 4 standard Type 4X Stainless steel optional
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Controller

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

Sound Level

At 1.5 Meters	61 dB(A)
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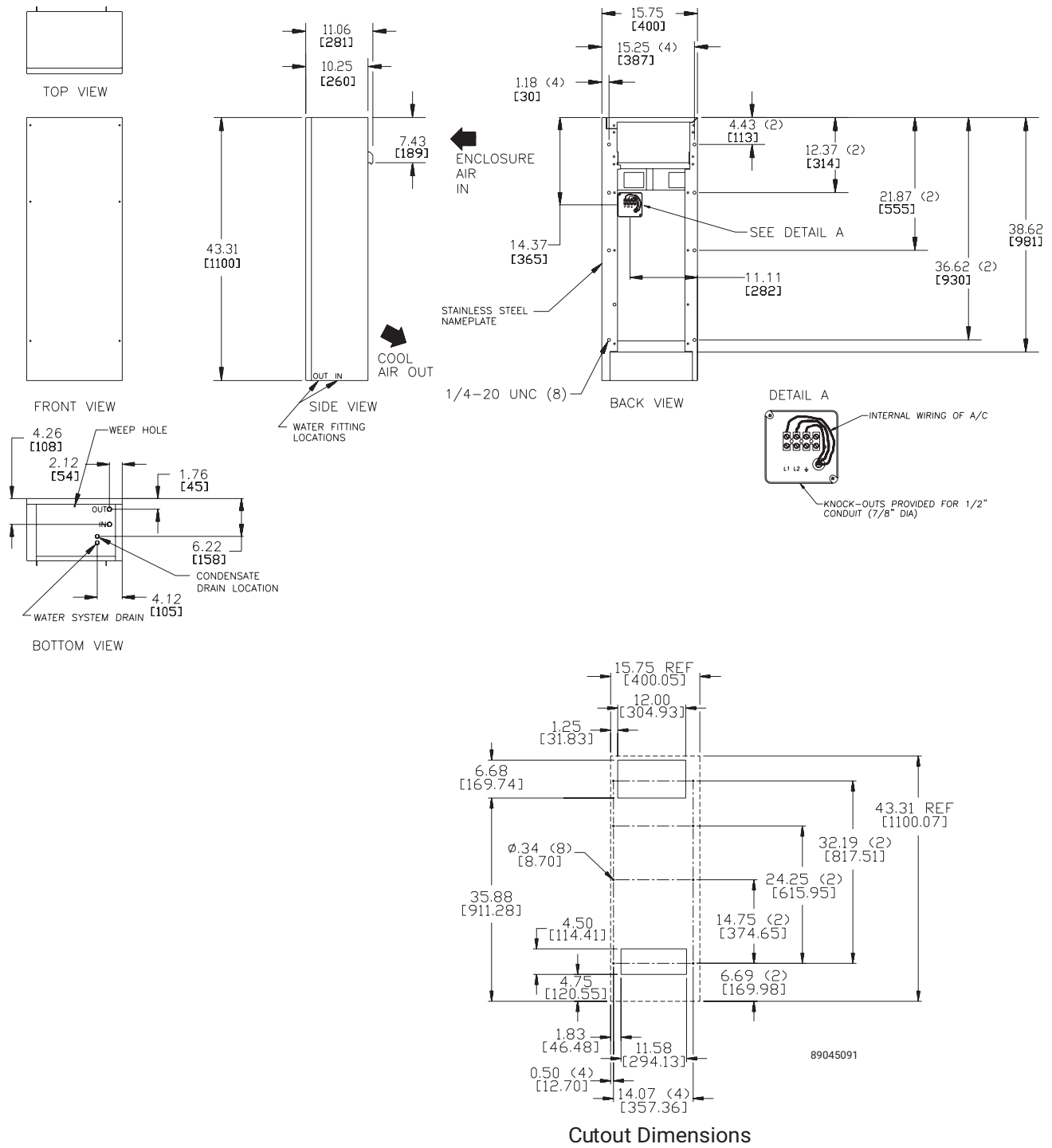
Unit Construction

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)	43.31/1100
Width (in/mm)	15.75/400
Depth (in/mm)	10.25/260.4
Weight (lb/kg)	86/39

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