

*Weather-Rite*<sup>TM</sup>

RC SERIES

# SPLIT SYSTEM OUTDOOR CONDENSING UNITS

PAIR WITH MAKE-UP AIR UNITS  
FOR INDUSTRIAL COOLING



1.616.784.0500

[www.weather-rite.com](http://www.weather-rite.com)



# SPLIT SYSTEM OUTDOOR CONDENSING UNITS

WEATHER-RITE™ split system outdoor condensing units are paired with make-up air units for a complete industrial heat/cool system for factories, manufacturing, warehouse and other industrial buildings.

## Standard Features

- Dual circuit scroll compressors
- Direct Drive ECM axial fans (with sickle blades and integral venturi) for enhanced efficiency and reduced noise.

## Design flexibility

Units available for 100% outside air or recirculated/"mixed" air applications. Use multiple units in series for larger cooling capacity.

## Designed for outdoor installation

Heavy-duty pre-painted galvanized steel construction.

## Environmentally friendly

Units use R410A refrigerant.

## INDUSTRIAL COOLING



### RCOA Unit

**Air-Cooled for 100% Outside Air Cooling Applications**

Model	Cooling Capacity		EER <sup>1</sup>	Condenser Fan CFM
	Total Btu/h	Sensible Btu/h		
RCOA042	36,600	20,000	14.97	450
RCOA048	50,400	27,300	14.00	600
RCOA060	61,600	33,500	14.18	750
RCOA072	73,900	40,200	13.65	900
RCOA096	102,600	55,400	13.75	1,200
RCOA120	123,600	67,200	13.82	1,500
RCOA150	149,400	81,200	13.73	1,800
RCOA180	190,200	103,000	12.55	2,250
RCOA210	236,100	130,000	11.81	3,000
RCOA240	292,800	159,000	14.07	3,500
RCOA300	320,400	176,000	13.49	4,000
RCOA360	365,200	199,400	13.47	4,500
RCOA420	412,200	224,600	12.63	5,000

Based on 95F DB / 78F WB, 6 row coil

Use multiple units in series for larger cooling capacity.

### RCRA Unit

**Air-Cooled for Recirculating and Mixed Air Cooling Applications**

Model	Cooling Capacity		EER <sup>1</sup>	Condenser Fan CFM
	Total Btu/h	Sensible Btu/h		
RCRA042	39,900	32,000	14.70	1,400
RCRA048	53,500	40,600	13.76	1,600
RCRA060	62,900	47,800	13.18	2,000
RCRA072	71,900	55,400	11.43	2,400
RCRA096	103,000	80,100	11.86	3,200
RCRA120	122,300	97,000	11.72	4,000
RCRA150	148,100	119,000	11.62	5,000
RCRA180	197,000	155,300	12.87	6,000
RCRA210	235,700	182,500	12.12	7,000
RCRA240	283,900	209,200	11.96	8,000
RCRA300	311,000	244,300	11.34	10,000
RCRA360	356,400	285,900	11.27	12,000
RCRA420	406,000	330,800	11.1	14,000

Based on 80F DB / 67F WB, 6 row coil

Use multiple units in series for larger cooling capacity.

## CONFIGURATIONS AND CAPACITIES

## LONG-LASTING CONSTRUCTION

- Heavy-duty cabinet constructed of pre-painted galvanized steel panels.
- Stainless steel and/or MAGNI 555®-coated hardware to help prevent fastener corrosion.
- Vinyl-coated condenser fan guards to help ensure long-term durability.
- Condenser coils composed of aluminum fins and mechanically-expanded, seamless copper refrigeration tubing to help ensure long-term efficient heat transfer from tube to fin.

## RELIABLE, EFFICIENT SYSTEM OPERATION

- Condenser fans that are both statically and dynamically balanced for smooth performance.
- High-efficiency scroll compressors with crankcase heaters to help prevent refrigerant migration.
- Assembly, testing and installation preparation by factory staff, including charging of compressors with oil and charging of circuits with nitrogen holding charge.
- Phase/voltage monitor to help detect abnormalities in electric supply.
- Optional digital scroll compressor assembly that provides continuous capacity modulation for part load conditions.

## EASE OF MAINTENANCE

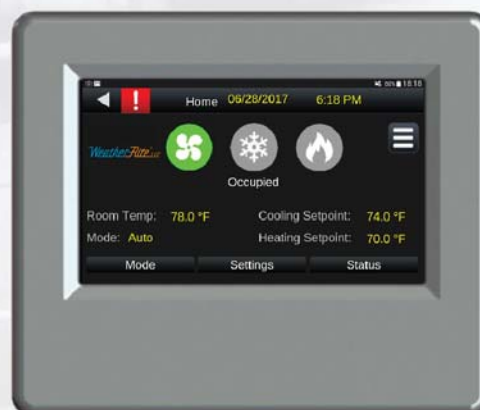
- Direct-drive condenser fans with permanently-lubricated or sealed ball bearings that require little maintenance and no oiling.
- Liquid line shut-off valve to isolate liquid line for upkeep and/or repairs.
- Liquid and suction line service ports that provide hose connections when charging refrigerant into system.
- Suction line accumulators that help eliminate return of liquid refrigerant back to compressor.
- Optional 115V GFCI electric receptacle to provide easy-access power to service technician at unit.



## DIRECT DIGITAL CONTROLLER

The WEATHER-RITE™ ALC Control is a direct digital controller that can efficiently monitor and control WEATHER-RITE™ condensing units. Features and benefits of the ALC Control include:

- Greater control of equipment with ability to monitor room temperature and humidity, outside air temperature and humidity and leaving air temperature, as well as to change a number of setpoints (as applicable depending on equipment type and application).
- Design flexibility as the controller can operate in a stand-alone capacity or in conjunction with a Building Management System (BMS) via the BACnet®, Modbus, Lonworks® and N2 protocols.
- Customizable with digital outputs, analog outputs and universal inputs.





# Weather-Rite<sup>TM</sup>

Complete your cooling installation with one of our  
Industrial Direct-Fired or Indirect-Fired Make-Up Air Units!

(available for 100% outside air or recirculated air applications)



*Weather-Rite*

**ROBERTS GORDON**  
INFRARED HEATING



THE BRANDS OF  
**SPECIFIED AIR**  
SOLUTIONS



**BANANZA**

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