

RUL24 SERIES RUGGEDIZED SKID-MOUNTED ENVIRONMENTAL CONTROL UNITS

- Nominal Cooling Capacity: 2 Tons
- Operating Power: 208/230 or 460VAC, 1 or 3-Phase, 60Hz
- Ruggedized Build and Certified to MIL-STD-810F in Accordance with:
 - MIL-STD-810F, Method 514.5, Figure 514.5C-3, Table 514.5C-VII (Vibration)
 - MIL-STD-810F, Method 510.4, Procedure I & II (Sand and Dust)
 - MIL-STD-810F, Method 506.4, Procedure III (Dripping Rain)
 - MIL-STD-810F, Method 509.4 (Salt Fog)



UNIT MODEL	RULCR24BA	RULCR24BA-05kW	RULCR24CA	RULCR24CA-05kW	RULCR24DA	RULCR24DA-5kW	RULHT24BA	RULHT24BA-05kW	RULHT24CA	RULHT24CA-05kW	RULHT24DA	RULHT24DA-05kW
PERFORMANCE												
Nominal Cooling BTU/Hr @ 80°F DB, 67°F WB, 95°F Ambient	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600
Nominal Cooling BTU/Hr @ 95°F DB, 75°F WB, 120°F Ambient	25,800	25,800	25,800	25,800	25,800	25,800	25,800	25,800	25,800	25,800	25,800	25,800
Heating BTU/Hr	n/a	17,000	n/a	17,000	n/a	17,000	n/a	17,000	n/a	17,000	n/a	17,000
Operating Conditions (°F)	50 to 150	50 to 150	50 to 150	50 to 150	50 to 150	50 to 150	50 to 150	50 to 150	50 to 150	50 to 150	50 to 150	50 to 150
Operating Conditions with Low Ambient Control (°F)	-30 to 150	-30 to 150	-30 to 150	-30 to 150	-30 to 150	-30 to 150	-30 to 150	-30 to 150	-30 to 150	-30 to 150	-30 to 150	-30 to 150
Air Flow Rates (Evaporator Supply/ Condenser Exhaust) (CFM)	1100/1900	1100/1900	1100/1900	1100/1900	1100/1900	1100/1900	1100/1900	1100/1900	1100/1900	1100/1900	1100/1900	1100/1900
Compressor Operating Mode (Constant Run or ON/OFF)	Constant Run	Constant Run	Constant Run	Constant Run	Constant Run	Constant Run	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
ELECTRICAL												
Voltage (VAC) ±10%	208-230	208-230	208-230	208-230	460	460	208-230	208-230	208-230	208-230	460	460
Phase	1	1	3	3	3	3	1	1	3	3	3	3
Frequency (Hz)	60	60	60	60	60	60	60	60	60	60	60	60
Maximum Nominal Current - Cooling (A)	25.4	25.4	16.6	16.6	8.4	8.4	25.4	25.4	16.6	16.6	8.4	8.4
Maximum Nominal Current - Heating (A)	n/a	24.8	n/a	14.1	n/a	7.2	n/a	24.8	n/a	14.1	n/a	7.2
Maximum Nominal Power Consumption - Cooling (kW)	4.7	4.7	5.3	5.3	5.3	5.3	4.7	4.7	5.3	5.3	5.3	5.3
Nominal Electric Heat (kW)	n/a	4.6	n/a	4.6	n/a	4.6	n/a	4.6	n/a	4.6	n/a	4.6
Circuit Breaker/Fuse Size (A)	40	40	30	30	16	16	40	40	30	30	16	16
Power Supply Wire Size (AWG)	8	8	10	10	12	12	8	8	10	10	12	12
PHYSICAL CHARACTERISTICS												
Dimensions, H x W x D (in)	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45	41.75 x 24.25 x 45
Weight, Unit (Lbs)	348	350	348	350	348	350	342	344	342	344	342	344
Fan Type, Evaporator	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined	Direct Drive, Reverse-Inclined
Fan Type, Condenser	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial	Direct Drive, Axial
Evaporator Supply Air Duct Takeoff Dia.(in)	12	12	12	12	12	12	12	12	12	12	12	12
Evaporator Return Air Duct Takeoff Dia.(in)	12	12	12	12	12	12	12	12	12	12	12	12
REFRIGERANT												
Type	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a
Charge (oz)	See data plate.	See data plate.	See data plate.	See data plate.	See data plate.	See data plate.	See data plate.	See data plate.	See data plate.	See data plate.	See data plate.	See data plate.

All specifications are subject to change without notice.

KEY FEATURES

- Aluminum Cabinet; Steel Skid Base
- High-Efficiency, Tube-and-Fin Evaporator Coil
- High-Efficiency Micro-channel Condenser Coil
- High-Efficiency Reversed-Inclined Evaporator Blower
- High-Efficiency Condenser Axial Fan
- Best-in-Class Copeland® Scroll Compressor
- Environment-Friendly Refrigerant R-134a
- Remote Control Box w/ Electronic Temperature Controls
- 20-Ft (Standard Length) Remote Control Cable
- Electric Heat
- Mil. Circular Power and Control Connectors
- Designed for Continuous Run or ON/OFF Compressor Operation
- Designed for High Ambient Operation in Outdoor Conditions of up to 150°F
- Externally Accessible Sight Glass and Servicing Ports
- Permanent Washable Air Filters
- Stainless Steel Drain Pan
- Skid Base with Corner Quick Receivers for Inserting Wheels, Leveling Stands or Lifting Rings
- Ruggedized Build for MIL-STD-810F Compliance (Vibration & Environmental)
- Durable Powder Coat Finish

OPTIONS

- Low Ambient Control for Cooling Operation in Ambient Temperatures of <50°F
- Electric Reheat (Humidity Control)
- EMI/RFI Shielding for MIL-STD-461 Compliance
- Powder Coat Color Options: Desert Tan, Green, White, Gray
- CARC Painted Exterior

TYPICAL APPLICATIONS

- Telecommunication (Satellite Antenna Hubs)
- Military Shelters (Command & Control), Medical Shelters, Medical Tents
- Portable Building
- Temporary Barracks (Sleeping Quarters)
- Dining Facilities/Mess Halls
- Operating Bases
- Tactical Operations Centers
- Humanitarian Emergencies
- Collective Protection (ColPro) Tents (NBC Filtered air)