

**Unit Model:** RULCR60CA15FL-C

**Application:** Ground Cooling of Unmanned Aerial Vehicles (UAVs) Avionics

**Unit Type:** Ruggedized Skid-Mounted Environmental Control Unit with Wheel Kit (Trailer)

**Key Features:**

- Lightweight Aluminum Cabinet
- Designed to Operate in High Ambient Temperatures of up to 150°F.
- Low Ambient Control for Operations in Ambient Temperatures lower than 50°F
- Designed to Operate with Environment-Friendly Refrigerant R-134a.
- High-Efficiency Lanced Aluminum, Rifled Copper Tubing Evaporator Coil
- High Efficiency Micro-Channel Condenser Coil
- High-Efficiency Scroll Compressor
- Automatic Evaporator Bypass for Constant Run Compressor Operation
- High Efficiency Evaporator Blower and Condenser Fan
- Electric Heat with Automatic Reset Thermal Safety Cutout
- Remote Control Box with Electronic Temperature Controls and 20-ft Control Cable Interface
- Electronic Expansion Valves
- Digital Phase Monitor (for Monitoring Phase Reversal, Phase Loss, Phase Imbalance, Over/Under Voltage Faults)
- EMI/RFI Shielding for MIL-STD-461 Compliance
- Weatherproof Mil Circular Power and Control Connectors
- Permanent Washable Air Filters (Evaporator and Condenser Air Intake)
- Externally Accessible Servicing Ports and Refrigerant Sight Glass
- Heavy Duty Steel Skid Base with Lifting Handles and Forklift Pockets
- Heavy Duty Lifting/Tie Down Provision
- On-Board Supply Air Duct Storage Rack
- Supply Power Cable Holder
- Corner Quick Receivers for Optional Wheel Kits, Lifting Rings and Leveling Stands that Slide and Pin in to Position In Seconds.
- Durable Powder Coat Finish
- Ruggedized Build for MIL-STD-810F Compliance (for Environment and Vibration)

**Unit Specifications\*:**

<b>PERFORMANCE</b>	
Cooling Capacity (BTU/Hr)	60,000
Heating Capacity (BTU/Hr)	51,195
Operating Conditions with Low Ambient Control (°F)	-30 to 150
Evaporator Supply Air / Condenser Exhaust Air Flow Rates (CFM)	2000 / 3500
Compressor Operating Mode	Constant Run
<b>ELECTRICAL</b>	
Voltage (VAC) ±10%	208-230
Phase - Frequency (Hz)	3 - 60
Maximum Nominal Currents - Cooling / Heat (A)	35.7 / 39.2
Maximum Nominal Power Consumption - Cooling (kW)	11.4
Electric Heat (kW) @ 230VAC**	13.8
Circuit Breaker/Fuses Size (A) / Supply Power Cable Size (AWG)	63 / 6
<b>PHYSICAL CHARACTERISTICS</b>	
Dimensions Including Wheel Kit, H x W x D (in) / Weight including Wheel Kit, Tongue Up (Lbs)	72.4 x 69.2 x 104.3 / 1580
Fan Type, Evaporator	Direct Drive, Reverse-Inclined Impeller
Fan Type, Condenser	Direct Drive, Axial
Evaporator Supply Air Duct Takeoff Dia. (in)	4 x 8
Evaporator Return Air Duct Takeoff Dia. (in)	16
<b>REFRIGERANT</b>	
Type	R-134a

\*All specifications are subject to change without notice.

\*\* Heating elements are factory-rated 15kW at 240VAC.