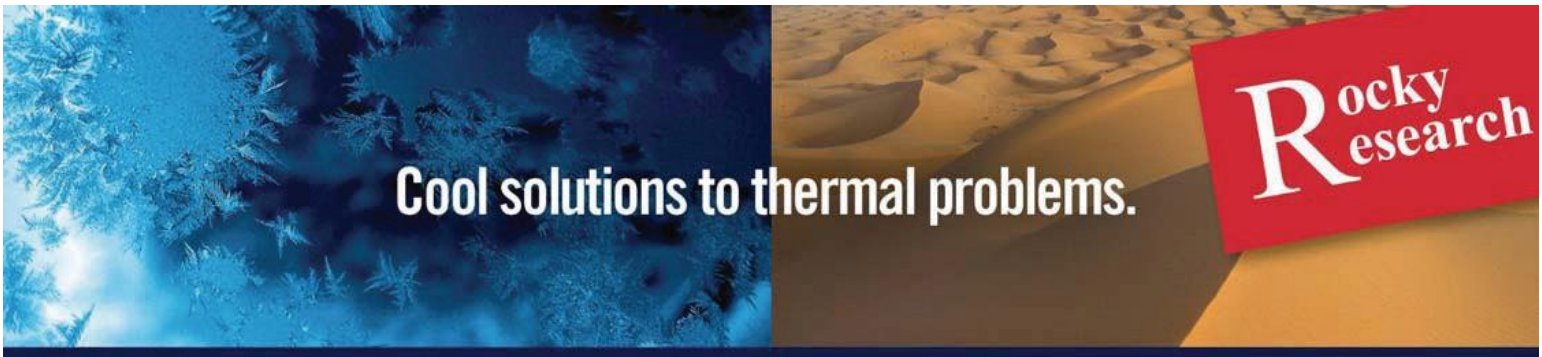

COMMERCIAL | INDUSTRIAL | DEFENSE

ECU06001

- Increase Reliability
- Energy Efficient
- Load Adaptive
- Sealed Compressor
- Low Noise
- Modular Controls
- Simple to Operate
- Easy to Service
- Microchannel Technology
- ICE® Technology

Intelligently Cooled Electronics

5-Ton High Efficiency Air Conditioner / ECU

Utilizing Rocky Research's patented HVAC technologies along with readily available commercial-off-the-shelf components, the **ECU06001** offers a highly reliable design ready to address the rigors of harsh military environments. Providing up to 30% energy efficiency when compared to conventional military ECUs, Rocky Research's **ECU06001** offers a 60,000 BTU/hr load adaptive cooling capacity at 125°F.

Operating from either 50 or 60 Hz power sources, Rocky Research's **ECU6001** offers soft start and thereby avoids in-rush current resulting in smaller generator size requirement and higher compressor reliability. Rocky Research **ECU06001** is fully operational up to 125°F ambient temperature.

Designed for military environments and operational system reliability Rocky Research's **ECU06001** also offers the benefits of lower ambient noise while being simple to service and operate with straightforward and intuitive controls. Remote software control capability utilizing UDP/IP, RS-485, ModBus RTU (via RS-485 or TCP/IP), or CANBUS protocols.

System Specifications

Frequency:	50/60 Hz
Voltage:	208 - 230 VAC
Phase:	3 Phase
Wires:	4 wire
Max. Power:	10 kW (Cooling), 12 kW (Heating)
Amperage (Nominal)*	45 Amps (Cooling), 58 Amps (Heating)
Cooling Capacity:	60,000 BTU/HR
Heating Capacity:	40,000 BTU/HR
Evaporation Air Flow:	2,000 CFM
Max. Ambient Temperature:	125°F
Min. Ambient Cooling:	50°F
Min. Ambient Heating:	-40°F
Refrigerant:	R134A
COP:	1.5 at 125/90°F

***ECU does not impose inrush current as typically seen with other ECUs**

Physical Specifications

Form Factor:	Wall-Mount / Shelter / Skid / Trailer
Dimensions:	44” W x 32” H x 44.00” D
Weight:	~600 lbs.

Environmental Specifications

Cooling Capacity:	ASHRAE STD 37 95°F OAT w/ 80°/67° indoor dry bulb/wet bulb temperatures 125°F OAT w/ 90°/75° indoor dry bulb temperatures	✓ **COMPLETED**
Heating Capacity:	ASHRAE STD 37 20°F OAT w/ 70°F return air	✓ **COMPLETED**
Vibration:	MIL-STD-810G, Method 514.6	✓ **COMPLETED**
Shock:	MIL-STD-810G, Method 516.6 Rail Impact & Road March	✓ **COMPLETED**
EMI:	MIL-STD-461F, Method RE509.4, CE102, CS101, and RS103	✓ **COMPLETED**
Salt Fog:	MIL-STD-810G, Method 509.4	✓ **COMPLETED**