

Micro DC Air Conditioner

As fire departments shift to battery-powered rescue tools—such as hydraulic pumps, saws, chainsaws, and PPV fans—the need for reliable onboard power and climate-controlled storage becomes critical. Kraken Power’s Micro DC Air Conditioner is purpose-built to maintain optimal temperature and humidity levels in electronic compartments, ensuring lithium battery packs, chargers, and power electronics operate at peak performance—regardless of external conditions.



Key Features & Benefits

Optimized for Fire Apparatus & Emergency

- Designed to climate-control electronics and battery compartments, protecting sensitive lithium-ion packs from heat degradation and cold-weather performance loss
- Ensures continuous-duty operation, keep chargers and tools mission-ready without reliance on shore power.
- **CAN Bus Compatible** - Fully integrates with Pro//connect xFOS for real-time system monitoring and control.

High-Efficiency Brushless DC Motor Technology

- **Zero Inrush Current**—Kraken Power’s advanced BLDC compressor technology eliminates startup surges, allowing seamless integration with vehicle battery systems.
- **Optimized for Mobile DC Power Systems**—Available in 12V, 24V, and 48V configurations for flexible vehicle integration.

Compact, Lightweight and Rugged

- Ultra-compact design fits within confined equipment compartments
- Lightweight construction minimizes impact on vehicle payload and balance.
- Weather-resistant and vibration-resistant for continuous operation in extreme environments.

Smart Climate Control & Energy Efficiency

- **CAN Bus Integration with xFOS** - Allows remote monitoring, diagnostics, and control through the PRO//connect control panel.
- **Distributed Temperature & Humidity Sensors**—Wirelessly networked sensors optimize cooling output for maximum efficiency.
- **Adaptive Low-Power Mode**—Automatically switches to power-saving mode when no motion is detected inside the compartment.
- Zoned Operation via PRO//connect—Multiple units can be networked together for intelligent cooling coordination across different compartments.

Technical Specifications

Feature	1,500 BTU Model	3,000 BTU Model
Nominal Voltage	12VDC / 24VDC / 48VDC	12VDC / 24VDC / 48VDC
Cooling Capacity	450W (1,535 BTU)	900W (3,070 BTU)
Current Draw	8A @ 12VDC	16A @ 12VDC
Power Consumption	96W	192W
Weight	11 lbs (5 kg)	15 lbs (6.8 kg)
Dimensions	13.77 x 10.73 x 7.08 in	15.75 x 12.2 x 8.66 in
Refrigerant	R-134A	R-134A
Motor Type	Brushless DC Motor	Brushless DC Motor
Speed Ranges	1,800 - 6,500 rpm	1,800 - 6,500 rpm
Max Operating Temperature	126°F / 52°C	126°F / 52°C
CAN Bus	Yes (xFOS Compatible)	Yes (xFOS Compatible)