



COMPCOOLER

Vehicle/Aircraft Personnel and Electronic Cooling with...

## Microclimate Cooling System

Keep troop battle ready cool

Extend Soldier's Body Endurance, Make it stronger longer and mentally sharper in hot ambient conditions

COMP-VMCS-24350V



**C**ompcooler Microclimate Cooling System (MCS) is a rugged vehicle-based cooling unit. MCS using miniature compressor refrigeration cooling system to cool the liquid, build-in microprocessor controller with pre-setup temperature, centrifugal pump circulates cold water to cool heat components or personnel by connect with inlet and outlet quick fittings. Aerospace standard absorber frame good for vehicle and aircraft installation. MCS has Electric Expansion Valve (EEV) refrigerant control which could be applied for extreme hot ambient. Intelligent control for precision fluid temperature, Mil specs parts with EMC protection, excellent cooling performance with less power consumption,



### Key Features

- ★ Compact and Rugged design: Vehicle/Aircraft and portable applications
- ★ Safety Operation: DC 24V power, uses water as coolant, environmentally friendly
- ★ Quick Start: Pre-set temperature and start cooling quickly
- ★ Intelligent control: Build-in Microprocessor controlled by remote controller.
- ★ Excellent cooling performance: high COP with less power consumption
- ★ EEV Refrigerant Control: could be used in extreme hot ambient
- ★ Military Standard: Mil specs parts with EMC and Aerospace absorber



## Specifications

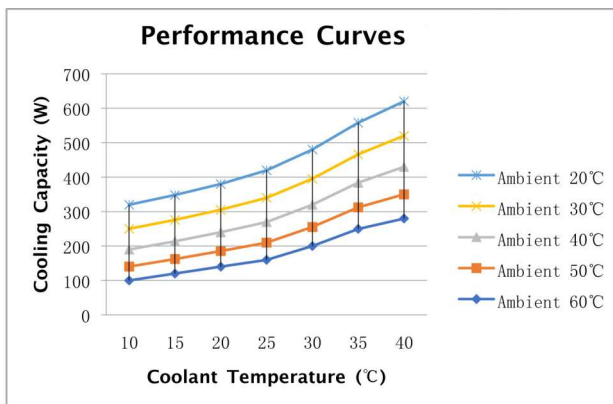
- Compressor: Miniature Rotary DC24V Compressor
- Cooling Capacity: 250W(see performance curves)
- Temperature set up: 5-30C
- Operation Current: 4-8Amps (max 15A)
- Reservoir: 800ml
- Weight: 8kgs
- Noise: 55dBA
- Size: 355x200x263mm



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## Cooling Performance Curves

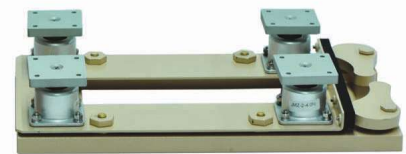


Refrigerant Control: Electric Expansion Valve

Testing Standard: NMB-MAT 4715KL-05W-B50

Cooling capacity (watts x 3.41) = BTU/hour.

Performance specifications determined at ambient temperature of 20°C (68°F).



## Applications

Vehicle Electronic and Personnel Cooling, Aircraft Pilot Cooling, Military Equipment Cooling, Military Laser Device Cooling, Racing Cooling etc.



Certificate: CE, FCC, RoHS, Quality: AS9100, ISO9001

