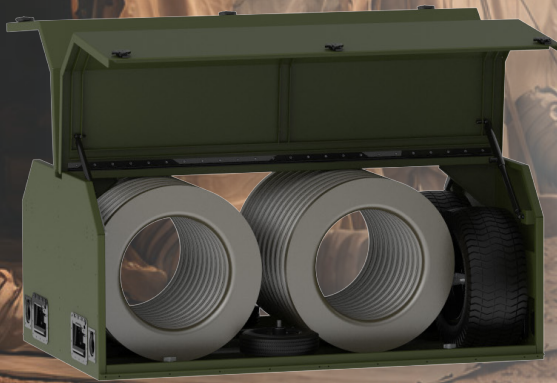


Portable Environmental Control Unit

Dantherm Cooling's Portable Environmental Control Unit is a rugged, self-contained climate control system designed for deployable shelters, containers and temporary structures. Built for mobility and rapid deployment, the unit can be positioned outside rigid or soft-walled shelters and connected through flexible supply and return ducts to deliver reliable climate control in demanding and remote environments.



- ✓ **Rapid Deployment Climate Control**
- ✓ **Rugged Portable Design**
- ✓ **Variable Capacity Cooling Performance**
- ✓ **Generator-Compatible Operation**
- ✓ **Optimized Airflow & Dehumidification**
- ✓ **Simple Field Service & Maintenance**
- ✓ **Manufactured & Tested in the USA**



LEARN MORE

Dantherm Cooling's Unique
Design Philosophy

QUESTIONS? CONTACT US.

www.danthermcooling.com

GovTeam@danthermcooling.com

(864) 364-7402

DANTHERM[®]
COOLING

Engineered to Perform. Built to Last.

MVECU-2460

Features and Capabilities

FEATURE	CAPABILITY
VARIABLE COOLING CAPACITY	Multi-stage cooling capacity from 22,000-61,000 BTU/h adapts to changing environmental conditions
HEAT PUMP OPERATION	Integrated heating capability provides climate control across a wider range of operating conditions
RUGGED PORTABLE DESIGN	Integrated wheels, fork pockets, lift points and tie-downs allow easy transport, repositioning and deployment
GENERATOR-READY ELECTRICAL DESIGN	Engineered for reliable operation with generator-sourced power with protection against phase loss, undervoltage and transient conditions
VARIABLE AIRFLOW DC FANS	High-static pressure DC fans with adjustable airflow optimize cooling, dehumidification and ventilation performance across a wide range of deployment scenarios.
DIGITAL CONTROL SYSTEM	Onboard controller supports staged cooling, lead/lag operation and communication
SERVICEABLE DESIGN	Tool-less access to most service and test locations allows quick inspection, service and maintenance in field environments
INTEGRATED ACCESSORY STORAGE	Built-in storage keeps essential accessories with the unit for faster deployment and transport

PERFORMANCE

MVECU Test Data

MODEL	INDOOR RETURN (DB/WB)	HEATING (BTU/HR)	AMBIENT DRY BULB						
			0°F -17.7°C	10°F -12.2°C	20°F -6.62°C	30°F -1.1°C	40°F 4.4°C	50°F 10°C	60°F 15.5°C
MVECU - CALC	68°F/59°F 20°C/15°C	HEATING	25300	29800	34800	40400	46500	53100	60300

MODEL	INDOOR RETURN (DB/WB)	COOLING (BTU/HR)	AMBIENT DRY BULB						
			80°F 26.7°C	90°F 32.2°C	95°F 35.0°C	100°F 37.8°C	110°F 43.3°C	120°F 48.9°C	130°F 54.1°C
MVECU - CALC FULL	80°F/67°F 26.7°C/19.4°C	Total Cooling	62300	59400	58000	56400	53500	50500	47500
		Sensible Cooling	47200	44200	41500	41300	38300	35300	33900
MVECU - CALC FULL	80°F/67°F 26.7°C/19.4°C	Total Cooling	24920	23760	23200	22560	21400	20200	19000
		Sensible Cooling	18880	17680	16600	16520	15320	14120	13560

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Advantage!

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