

BMECC



Features

BMECC Enables Rapid Deployment and Mission Dominance

- ✓ Rapid deployment from compact ISO footprint to full workspace
- ✓ MECC-derived expansion system maximizes operational interior
- ✓ Dual-unit configuration forms standard 20-foot ISO transport module
- ✓ Intermodal compatibility across air, land, rail, and sea
- ✓ Rugged steel frame with lightweight composite wall construction
- ✓ Operates reliably in extreme climates from -51°C to +49°C
- ✓ Reconfigurable interior supports medical, command, workshop
- ✓ Integrated hybrid power options enhance sustained operational

Product Overview

The BMECC builds on the proven legacy of Weatherhaven's MECC (Mobile Expandable Container Configuration), translating its battle-tested expandability into a compact, highly mobile 10-foot ISO footprint. Designed for rapid deployment in contested and austere environments, it delivers immediate operational capability with minimal logistical burden. Like the original MECC, it transforms from a transport-efficient container into a functional workspace, enabling forces to establish mission-critical infrastructure quickly and decisively.

Drawing directly from MECC's hallmark expanding wall system, the BMECC maximizes usable interior space while maintaining a minimal transport profile. In stowed configuration, it meets 10-foot ISO standards, enabling streamlined logistics. Once deployed, the unit expands to create a fully insulated, climate-controlled environment. This scalable spatial efficiency mirrors the MECC's operational philosophy, delivering outsized capability from a compact footprint, ideal for forward operating bases and rapidly evolving mission sets.



Compact 10ft Expanding ISO. Mission Ready.

Leveraging MECC's intermodal DNA, the BMECC integrates seamlessly into global logistics networks. Two units combine into a standard 20-foot ISO configuration, ensuring compatibility with existing transport assets across land, sea, and air. This modular transportability enhances deployment speed and reduces supply chain friction. Whether moved by tactical airlift or commercial freight, the BMECC maintains the MECC standard of mobility, ensuring mission readiness wherever forces are projected.



Standard Specifications

BMECC specifications can vary depending on your configuration

Specifications	BMECC 8 ft	BMECC 8 ft 6 in
Width (packed)	2438 mm // 96 in	2438 mm // 96 in
Width (deployed)	6172 mm // 243 in	6477 mm // 255 in
Length	3048 mm // 120 in	3048 mm // 120 in
Height	2438 mm // 96 in	2590 mm // 102 in
Tare Weight (approx)	2500 kg // 5500 lbs	2600 kg // 5720 lbs
Payload Volume	15 m ³ // 550 ft ³	
Deployed Volume	45 m ³ // 1590 ft ³	
Deployed Floor Area	19 m ² // 210 ft ²	19 m ² // 210 ft ²
ISO Stacking	9 high	9 high
Certification	Full CSC	Full CSC

Options

BMECC can be configured to your exact requirements.

Structure & Configuration

- Expandable wing system
- Mission Specific partitions (hard or fabric)
- Fabric and paint upgrades (IRR, CARC, EMI)
- Interconnector and corridor kits

Entries (Doors & Windows)

- Weather-resistant hard personnel doors
- Double-zip roll-up doors with Velcro seals
- Rigid vinyl-framed sliding windows
- Blackout window systems & insect netting
- Blackout entry vestibule systems

System Integration

- Integrated electrical & data networking
- Communication & IT systems integration
- Plumbing and mechanical system integration
- Permanent equipment & specialist fit-outs

Power & Environmental Control

- Integral generator & isolated mechanical room
- Integrated HVAC systems
- High-performance insulation (walls, floors, ceilings)
- Solar shades & environmental coverings

Logistics

- Levelling jacks
- Wing supports for truck mounted operation
- Platform and stair entry system

Example Applications

See our website for more BMECC applications.

- Mining and Exploration Camps
- Humanitarian Response
- Mobile Clinics
- Military Camps
- Aircraft Support
- Field Kitchens and Dining
- Vehicle Workshops
- Workforce Camps

