

# CLAM

## Features

- ✓ Built for Arctic environments and sustained military
- ✓ Single-operator deployment in under five minutes, fully sheltered
- ✓ Lightweight aluminium frame with high-durability ripstop outer shell
- ✓ Integrated thermal liner enhances heat retention and reduces condensation
- ✓ Clamshell access enables rapid CASEVAC/MEDEVAC and equipment handling
- ✓ Ballast skirt ensures secure anchoring using snow, ice, or field
- ✓ Available in 16ft and 21ft variants, 6'6" internal clearance
- ✓ Compact, lightweight system for sled, military snowmobile, or rotary-

Compact. Light. Agile. Modular. Battle-proven design rooted in historic polar operations.

## Product Overview

The Weatherhaven CLAM shelter takes inspiration from proven polar expedition systems, embodying resilience in the world's most hostile environments. Engineered for extreme cold weather operations, it combines rugged dependability with advanced materials, delivering mission-ready shelter capability in remote and austere theatres. This system continues Weatherhaven's legacy of developing deployable infrastructure that supports military personnel across reconnaissance, sustainment, and critical mission operations in some of the harshest environments on earth.

Speed and protection are critical in cold weather operations, and CLAM delivers both. Its rapid-deploy system enables personnel to erect the shelter from within, minimising exposure to wind chill, frostbite risk, and hazardous conditions. This capability supports fast establishment of protected space with reduced manpower and risk, allowing units to achieve operational readiness within minutes, when time and survivability are mission-critical.



## CLAM: mission-ready, rapid deployment, proven survivability.

Internally, CLAM is optimised for thermal performance and operational efficiency. A purpose-designed lightweight liner improves insulation, maintaining stable internal temperatures despite rapidly changing external conditions. Despite its high-performance capability, the system remains highly portable and compact, enabling efficient transport to remote operational zones. Its balance of durability, thermal efficiency, and mobility makes it a reliable solution for expeditionary forces.



## Standard Specifications

CLAM specifications can vary depending on your configuration requirements.

Specification	Endurance 16'	Endurance 21'
Width	2.42 m // 8 ft	2.42 m // 8 ft
Length	4.84 m // 16 ft	6.36 m // 21 ft
Height (middle)	2 m // 6 ft 6 in	2 m // 6 ft 6 in
Weight	35 kg // 77 lb	46 kg // 101 lb
Packed volume	2.8 m x 0.3m x 0.3 m // 110 in x 12 in x 12 in	2.8 m x 0.3m x 0.46 m // 110 in x 12 in x 18 in
2 full-height zipper C door entrances with arctic flashing		
24" square port at centre floor		
Stainless marine ventilation port at centre roof		
Clamshell full-end opening for snow medical or equipment entry		
Extended ballast skirt around perimeter		

## Options

CLAM can be configured to your exact requirements.

### Structure & Configuration

- Aerodynamic tunnel shelter design
- 16 ft and 21 ft lengths
- Ripstop nylon laminated cover system
- Multiple color options
- Thermal breathable liner system
- Extended snow ballast skirt
- Breathable laminate materials
- Polar Foam insulated floor system

### Entries (Doors & Windows)

- 2 full-height C doors with polar flashing
- Clamshell end opening for full access
- Expedition snow tunnel entrance
- Central floor access port (Velcro sealed)

### System Integration

- Snow & ice melting systems (proprietary)
- Cable ports & stove pipe socks
- roof-mounted adjustable vent

### Power & Environmental Control

- Heating systems (oil-burning heaters)

### Logistics

- Compact transport sled compatible
- Fully deployed from inside shelter

## Example Applications

See our website for more CLAM applications.

- Mobile Clinics
- Field Hospitals
- Polar Science and Research
- Command Posts

