



C³ - S.P.E.A.R.

CLIMATE **C**ONTROLLED **C**AMPUS - **S**ELF **P**ROPELLED
ELECTRONIC **A**DAPTABLE **R**ACK

Elliptical Mobile Solutions' C³-S.P.E.A.R. provides 2.5KW and up to 6KW of **Closed Loop Cooling** on a self-propelled rack enclosure. It protects standard rack mounted equipment from vibration and shock sustained in a mobile environment. The vibration-isolated mobile rack creates a stable platform in which a user may move electronic equipment while it is mounted in the rack.



Outer Frame and Panels

The exterior welded steel shell and frame mount securely on a self-propelled platform which supports up to 1,000 pounds of electronic equipment.*

Inner Frame

The welded steel inner frame conforms to an industry standard 19" wide by 36" deep rack format. All rack rails are fully adjustable for depth.

Suspension and Drive System

The inner frame "floats" on two layers of elastomeric material. The first layer is specially formulated to dampen high frequency vibration from ground or air transport. The second layer isolates the inner frame from low frequency shock from impacts. The drive system allows one person to move 1000 pounds of electronics up a 6% grade.*

Temperature Control

The temperature of the air surrounding the electronic equipment can be controlled by either a single or a dual closed loop A/C unit or heat exchangers.

Security

Access points to the optional I/O panel, front door and motion systems can be secured by a tamperproof CyberLock[®] system with programmable electronic locks, multi-tier security and audit trail.

Unique Connectivity Options

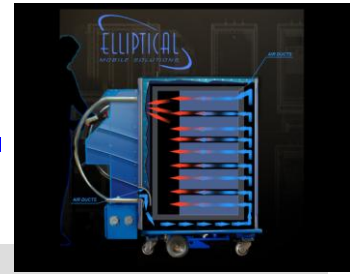
Self-contained I/O panel provides connectivity with protected equipment inside the C³-S.P.E.A.R. without allowing access to the sensitive equipment itself.

- **Mobile**
 - **Rugged**
 - **Compact**
 - **Secure**

C³-S.P.E.A.R. contains two layers of shock and vibration dampening.



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About Elliptical Mobile Solutions (EMS)

EMS designs and manufactures mobile enclosures for sensitive electronic equipment. Based on a 'frame within a frame' approach, the EMS product line offers solutions that largely eliminate the deleterious effects of severe motion, shock and vibration.

Founded in Phoenix, Arizona, EMS provides high-tech solutions for the mobile and wireless markets.

By integrating existing technologies with their forward-thinking innovations in stability, security, and ease of mobility, EMS products bring advanced technological solutions into today's evolving business environments.

EMS believes that it's time to break with conformity and offer products that truly epitomize the future while providing real world solutions today.

Product Features

C³-S.P.E.A.R. is a Climate Controlled Campus-Self-Propelled, Electronic, Adaptable Rack designed to protect equipment from environments and situations that would render standard rack mounted equipment inoperable. The shock-protected, vibration-isolated 19" rack is 36" deep and extremely durable.

C³-S.P.E.A.R. can be used to protect any combination of rack mounted electronic equipment. The mobile rack turns on its own axis and at 24" wide and 50" in length. The C³-S.P.E.A.R. can deploy its stable and secure operating environment virtually anywhere.

The self-contained drive system is powered by 2 maintenance-free gel cells, giving the self-propelled enclosure a 1/2 ton payload capacity. The power assist makes for the first time 1000lbs of sensitive equipment and cooling systems easily portable by one person.*

Technical Specifications:

Dimensions.....	60" tall x 24" wide x 66" long*
Weight.....	400 lbs*
Capacity.....	1,000 lbs*
Mobility Range.....	10 miles*
Speed.....	2.6 mph
Operational temperature	0° to 120°F*
Internal Storage Capacity.....	24 U
Total Cooling Capacity.....	2.5 KW Single A/C
	6.0 KW Dual A/C

** depending upon upgrade options selected*

Optional Upgrade Features:

- 3/8" square or 10-32 tapped rail
- Programmable electronic locks with multi-tier security and audit trail
- Water Heat Exchanger
- External RF Antennas
- Pass-through Patch Panel
- NEMA12 Environmental Package
- FireTrace® active fire suppression with Novek® 1230



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