

HREE

height reducible electronic enclosure



The Height Reducible Electronic Enclosure produced by General Dynamics Armament and Technical Products is a shelter system designed to provide rapid mobility by minimizing the transportation footprint for C-130 compatibility. This patented enclosure incorporates Electromagnetic Interference shielding in a mid-sized structure larger than the High Mobility Multipurpose Wheeled Vehicle mounted system, providing greater payload options per platform.

Designed to mount on a wide variety of prime movers, this shelter provides a tactical theater of operation with a spacious enclosure combined with the drive-on, drive-off capabilities of smaller systems. The internal air transport capability of this mid-sized shelter, without the need to dismount the unit, means increased aircraft-cargo efficiency, decreased aircraft count and reduced heavy lift requirements for inter-theater deployments.

The enclosures are designed to mount in the cargo bed of the standard military 2½-ton and 5-ton vehicles and trailers. A base frame design is also available to interface directly to the new generation M1080 2½-ton Light Medium Tactical Vehicle chassis.

Options for raising and lowering the enclosure top are available with manual or electronic drive systems.

Advantages of HREEs

- Increased mission capability
- Rapid transportability
- EMI shielding
- Mounted internal air transport
- Increased system aircraft deployment efficiency
- Easy lift options
- Adaptable to various applications

Specifications

Dimensions	Exterior-raised inches (mm)	87.5Wx83Hx149.3L (2,223x2,108x3,792)
	Exterior-lowered inches (mm)	87.5Wx46Hx149.3L (2,223x1,168x3,792)
	Interior-raised inches (mm)	78.4Wx75.5Hx140.2L (1,991x1,918x3,561)
	Interior-lowered inches (mm)	78.4Wx38.4Hx140.2L (1,991x975.4x3,561)
Tare weight:	1,900 pounds (861.8 kg)	
Interior volume	480 Ft ³	
Floor area	76 Ft ²	
Payload	3,100 – 6,500 pounds (1,406 – 2,948 kg) (depending on prime mover)	
EMI shielding	60dB (150KHz – 10GHz)	
Transportability	Ground mobility: highway, cross country (raised or lowered)	
	Internal air transport of mounted enclosure on prime mover	
	Helicopter lift of enclosure on prime mover	
	Floor loading: 65 psf overall, 500 psf local	
Environmental	Rain	5+ inches (127+ mm) per hour
	Temperature, storage	-50°F to +160°F (-45.6°C to 71.1°C)
	Temperature, operating	-50°F to +120°F (-45.6°C to 48.9°C)
	Humidity	Up to 100 percent
Optional features	Power and signal entry, electrical distribution system, interior lighting, rack/cabinet installation, blackout provisions, environmental control system, tunnel and generator, and electric or manual drive raising and lowering mechanism	
Increased mission capability	Deployment of prime mover (frees vehicle for other tasks)	
	Rapid deployment	
	Increased enclosure volume	
	Mounted internal air transport	

GENERAL DYNAMICS

Armament and Technical Products

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Four LakePointe Plaza, 2118 Water Ridge Parkway, Charlotte, NC 28217 ■ www.gdatp.com

Tel 704 714 8000 ■ Fax 704 714 8232 ■ E-mail GDBusDev@gdatp.com