S-394 Shelter

Model		45177
Construction		Aluminum/Honeycomb/Aluminum sandwich
Opcional EMI shielding	dB	60 from 150kHz to 10GHz for eletromagnetic field and plane waves ASTM E 1851-04
Hoisting rings		4 x 2", cap. 1500kg per ring
Thermal conductivity	W/m^2K	1.7
Reference standard		MIL-PRF-44408C
Weight	kg	220
Max. Load	kg	1280
Gross weight	kg	1500
Dimensions (LxWxH)	mm	2330x2000x930
Part #		**45177**

THIS PROJECT WAS
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Description:
The S-394 Tactical Mobile Shelter was specially developed for installations of electronics and telecommunications equipment, not exceeding the maximum allowed dimensions for aerial transport with a satellite communications antenna mounted on the top of the shelter, and being easily adaptable to the specific requirements of each application.

This shelter was developed to be transported on the Agrale AM 23 CS vehicle, a HMT-2000 semi-trailer, or used in fixed operations.

The S-394 can be hoisted for transport by helicopter by its hoisting rings, and transported in the Lockheed C-130 or EMBRAER C-390 cargo planes while integrated to an Agrale AM 23 CS vehicle.

Transport vehicle:
- Agrale AM 23 CD
- HMT-2000 semi-trailer

Characteristics:
- Lightweight, optimizing the transport vehicle load capacity usage
- Ruggedness, with high structural resistance allowing its usage with off-road vehicles
- Optional EMI shielding
- Thermal isolation, optimizing HVAC system usage efficiency
- High resistance to weather
- Military vehicles compatibility
- Not designed for human occupancy

Construction:
Walls, roof, and floor are made of vacuum-laminated Aluminum-Honeycomb-Aluminum sandwich panels. These panels present high structural resistance, corrosion resistance, acoustic isolation, thermal isolation, and low weight. Roof, floor, and each wall is formed by a single sandwich panel without seams.

The profiles forming the edges of the shelter are made of high strength extruded aluminum, contributing to the structural robustness.

The 8 vertices of the shelter are reinforced by high strength cast aluminum corners, the 4 upper ones being fitted with hoisting rings. The 4 lower corners are used for securing the shelter on the shelter carrier frame (AM 23 CS) or on the HMT-2000 semi-trailer.

A roof access folding step stair can be installed as an option.

Integration:
The S-394 can be supplied integrated for a wide range of applications such as: telecommunications, communications and control, communication detection, interception and jamming, intelligence, electronic warfare, interference, location (direction finder), ammunition transport, etc.

RF COM builds and integrates each S-394 shelter according to the requirements and specifications of each application. The integration can include for example: Antenna positioner, external connection or equipment panels, generator group, isolated compartments for the generator and storage, HVAC system, racks, telescoping mast, support and cable entry/connectors for external antennas, etc.

Contact us about your application requirements.