

S-788BR Shelter

THIS PROJECT WAS SPONSORED BY THE FINEP:



Model	42539	
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 ² K	2.84
Reference standard	MIL-PRF-44408C	
Weight	kg	276
Max. Load	kg	1224
Gross weight	kg	1500
Dimensions (LxWxH)	mm	2330x2000x1650
Part #	42539	

Description:

The S-788BR Tactical Mobile Shelter was specially developed for installations of electronics and telecommunications equipment, being easily adaptable to the specific requirements of each application.

This shelter has similar characteristics to the American standard S-788/G, however whereas the S-788/G was designed to be primarily transported on a HMMWV (Humvee), the S-788BR as its primary transportation the Agrale AM 23 CC, and can also be used for fixed applications.

The S-788BR 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 CC vehicle.

The RF COM S-788BR design was based on the MIL-PRF-44408C military standard..

Transport vehicle:

- Agrale AM 23 CC
- 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
- Typical occupancy of 3 people

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 CC) or on the HMT-2000 semi-trailer.

The access door has 3 Aluminum hinges, 3-point roller locks, and silicone rubber along the perimeter, ensuring a perfect sealing for the shelter. For the EMI shielding option, a conductive gasket is also used.

A roof hatch and a roof access folding step stair can be installed as options.

Integration:

The S-788BR 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), mobile radar, UAV ground station, medical support, graphics and video production for special operations, topographic operations, ammunition transport, etc.

RF COM builds and integrates each S-788BR shelter according to the requirements and specifications of each application. The integration can include for example: External connection or equipment panels, generator group, isolated compartments for the generator and storage, HVAC system, CBRN filters, racks, benches, telescoping mast, support and cable entry/connectors for external antennas, etc.

Contact us about your application requirements.