S-280BR Shelter

THIS PROJECT WAS SPONSORED BY THE FINEP:

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Model		39097
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 3", cap. 6500kg per ring
Traction rings		4 x 3", cap. 6500kg per ring
Thermal conductivity	W/m^2K	1.7
Reference standards		MIL-S-55286 and ASTM E 1975
Weight	kg	540
Max. Load	kg	3315
Gross weight	kg	3855
Dimensions (LxWxH)	mm	3610x2175x2071
Part #		39097

Description:
The S-280BR Tactical Mobile Shelter was specially developed for installations of electronics and telecommunications equipment, being easily adaptable to the specific requirements of each application.

The S-280BR can be used in fixed applications, and be easily transported by sea, ground, or air, using for example the Lockheed C-130 or EMBRAER C-390 cargo planes, helicopters, trucks, HMT-4000 semi-trailers, or railway.

The RF COM S-280BR design was based on the MIL-PRF-44408C and ASTM E 1975 military standards.

Transport vehicle:
- 5-Ton truck
- HMT-4000 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 4 people

Contruction:
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.

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 fitted with rings for hoisting, tying-down, and moving the shelter.

The access door has 4 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.

Roof hatches, roof access folding step stairs, and skids can be installed as options.

All profiles and mechanical hardware used in the S-280BR are manufactured according to the military standards, and have NSN (Nato Stock Number) coding, making them compatible as spare parts for the S-280C/G shelters.

Integration:
The S-280BR 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, VOR/DME station, training/meeting room, medical support, situation management office, graphics and video production for special operations, topographic operations, ammunition transport, etc.

RF COM builds and integrates each S-280BR 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.