

Expandable Light Air Mobile Shelter (ELAMS)



A Versatile & Rugged
Deployment System

AAR's ELAMS is also
available in a Hardside
version, HELAMS. See
page 5-4.

ELAMS deployed in expanded mode. The above unit has been configured as an ablution unit.

90"H ELAMS models:

P/N: 58200-022 - Forest green
NSN: 8145-01-494-5922

P/N: 58200-020 - Desert sand
NSN: 5410-01-468-5926

Tare Weight: 4,075 lbs.

Dimensions:

Stowed:

Exterior: 178"L x 96"W x 90"H

Interior: 174"L x 91"W x 81"H

Floor: 88.5 sq. ft.

Deployed:

Exterior: 178"L x 266"W x 90"H

Interior: 174"L x 264"W x 81"H

Floor: 319 sq. ft.

Max. Tare Weight:

- Internal Air Transport (IAT) including Wheel Set: 15,000 lbs.
- Internal Air Transport (IAT) utilizing Detent Rail System: 15,000 lbs.
- External Air Transport (EAT) including Wheel Set: 15,000 lbs.
- MIL-STD-209K Tie Down(Rail): 11,000 lbs.



ELAMS with optional workbench
and cabinets.

96"H ELAMS models:

P/N: 58200-052 - Forest green

P/N: 58200-053 - Desert sand

Tare Weight: 4,440 lbs.

Dimensions:

Stowed:

Exterior: 178"L x 96"W x 96"H

Interior: 174"L x 91"W x 87"H

Floor: 88.5 sq. ft.

Deployed:

Exterior: 178"L x 266"W x 96"H

Interior: 174"L x 264"W x 87"H

Floor: 319 sq. ft.

Expandable Light Air Mobile Shelter (ELAMS)

The ELAMS is designed to function mounted on a vehicle, or on the ground, and fits on most military and commercial trucks, as well as flat racks.

The ELAMS is 2-way forkliftable using a standard 10,000 lb. forklift with 72" tines. For versatility, the ELAMS is equipped with tie down / lifting rings at the four upper corners.

Ground transportable, the ELAMS is also transportable by aircraft, both fixed wing (two C-130 pallet positions) and external airlift.

Airlift Certified: 

Helicopter Sling Certified. 



ELAMS on an optional wheel set locked in for transport in a C-130.

Multiple configurations include:

- Command Posts
- Medical Facilities
- Sleeping Quarters
- Shower Complexes
- Field Kitchens
- Workshops
- Ablution Units
- Briefing Rooms



ELAMS on an optional wheel set behind truck.

For personnel comfort and equipment readiness, the ELAMS comes with an Environmental Control Unit (ECU). The ELAMS can also be equipped with a dehumidification system ensuring all supplies/tools/test equipment, etc. are constantly maintained in the best possible condition.

ELAMS Specifications

Electrical Primary	120/208VAC, 3-PH-Y, 60A, 60Hz
Dehumidification	Optional
Paint	CARC

Transportation

Sea Lift	On Standard 20 or 40 Flat Racks
Trailer Lift	Military Standard
Truck Lift	Military Standard
Helo Sling Lift	Yes

ECU

Cooling Capacity	36,000 btu/hr
Weight	300 lbs
Heating Capacity	18,000 btu/hr
Electrical	120/208 VAC, 3 Ph 50/60HZ
Size	46" x 26.5" x 19.75"
Refrigerant	R-134a

For Shelter Accessories see Section 7 of the Catalog including Wheels Sets, Trailers, Storage Cabinets, and Cargo Nets.