



Rapid deployment solutions

AAR Mobility Systems manufactures a variety of shelters for military operations and humanitarian efforts. Our complete line of intermodal shelter systems is designed with maximum flexibility to comply with end-user requirements, provide ease of set-up, and meet long lifespan requirements with rugged construction. Engineered for rapid deployment, air mobility, and secure environments, our modular solutions empower operators to move faster, smarter, and maintain dominance in the most demanding conditions.

Special air warfare

Our shelter systems improve mobilization capabilities for operational units by providing:

- Fully customizable shelters to meet mission requirements
- Patented integral loading base for rapid aircraft load and off load times
- Immediate operational workspace
- Reduced deployment footprint
- Secured equipment in transit
- T-SCIF solutions

Full lifecycle support from design through integration and repair/service on our full line of products including:

SCIF-certifiable shelters

- HESAMS
- HELAMS
- 1087
- LMS
- TFI

Air mobile shelters (A.M.S)

- SAMS
- ESAMS
- HESAMS
- LAMS
- ELAMS
- HELAMS

ISO shelters

- 1:1 TFI
- 2:1 TFI
- 3:1 TFI
- MECC

Vehicle mounted shelters

- LMS (type I, I III,V)
- MSC / MSC for LMTV
- EMSC
- TSC
- SVS
- 1087

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Shelters

A.M.S family

Both the Small and Light product lines are offered in non-expandable, soft-sided expandable, and hard-sided expandable variants that triple the environmentally protected workspace. Dimensions below represent the approximate exterior deployed footprints.

AAR Mobility Systems designs, manufactures, integrates, and services our complete line of proprietary design Air Mobile Shelters (AMS). There are six variants of AMS and all are manufactured of lightweight aluminum, feature 463L locking detent rails, and are Air Transportable / Helicopter Slings. When stowed, our Small AMS (SAMS) fit into a single pallet position on any aircraft with the 463L cargo system, while our Light AMS (LAMS) fit into two pallet positions.



Small Air Mobile Shelter (SAMS)		Expandable Small Air Mobile Shelter (ESAMS)		Hardside Expandable Small Air Mobile Shelter (HESAMS)	
1 pallet position - environmentally controlled shelter sized for transport on most cargo aircraft		1 pallet position when stowed; 3 pallet positions when deployed; softside expandable walls; climate controlled workspace		1 pallet position when stowed; 3 pallet positions when deployed; hardside expandable walls; climate controlled workspace	
P/N	58100-XXX	P/N	58203-XXX	P/N	58203-003-XXX
Dimensions	260"W x 108"L x 96.25"H	Stowed exterior	88"W x 108"L x 96.25"H	Stowed exterior	88"W x 108"L x 96.25"H
		Deployed exterior	260"W x 108"L x 96.25"H	Deployed exterior	245.38"W x 108"L x 96.25"H



Light Air Mobile Shelter (LAMS)		Expandable Light Air Mobile Shelter (ELAMS)		Hardside Expandable Light Air Mobile Shelter (HELAMS)	
2 Pallet Positions - environmentally controlled shelter; can be transported on trailer or wheel set		2 pallet positions when stowed; 6 pallet positions when deployed; softside expandable walls; climate controlled workspace		1 pallet position when stowed; 3 pallet positions when deployed; softside expandable walls; climate controlled workspace	
P/N	58201-XXX	P/N	58203-XXX	P/N	58204-001
Dimensions	96"W x 178"L x 91.38" or 96.25"H	ELAMS TOC P/N	58202-XXX	Stowed exterior	88"W x 108"L x 96.25"H
		Stowed exterior	88"W x 108"L x 96.25"H	Deployed exterior	245.38"W x 108"L x 96.25"H
		Deployed exterior	260"W x 108"L x 96.25"H	Deployed exterior	245.38"W x 108"L x 96.25"H

Shelters

ISO shelters

AAR Mobility Systems' 20-Foot ISO Shelters (TFI, MECCC) are unique in that they are lightweight, deploy quickly and intuitively, and are readily air-transportable in the C-130 with their moveable corner blocks, roller plates, and 463L-compatible detachable detent rails, which eliminate the need for pallets and chains at the airfield (U.S. Patent No. US 7,717,290 B2).

Constructed with an aluminum frame with foam and beam structural panels, our shelters are designed to meet all key performance specifications of ASTM E-1925, ASTM E-1976, ISO 1496-1 and -2, ISO 11611990, and ISO 668-1995.



20-Foot Non-expandable ISO Shelter (1:1)		20-Foot Non-expandable ISO Shelter (2:1)		20-Foot Non-expandable ISO Shelter (3:1)	
Highly configurable to meet customer requirements; self sustaining turnkey shelter with no setup required; CSC certified 6-high stackable		Highly configurable to meet customer requirements; deployed by two people in less than 30 minutes; CSC certified 6-high stackable		Highly configurable to meet customer requirements; deployed by two people in less than 30 minutes; CSC certified 6-high stackable	
P/N		P/N		P/N	
W/ mechanical room (MR)	58301-XXX	W/ mechanical room (MR)	58306-XXX	W/ Mechanical room (MR)	58305-XXX
Full length (FL)	58302-XXX	Full length (FL)	58308-XXX	Full length (FL)	58307-XXX
Dimensions		Dimensions		Dimensions	
Exterior	96"W x 238.4"L x 96"H	Exterior stowed	96"W x 238.4"L x 96"H	Exterior stowed	96"W x 238.4"L x 96"H
Interior (FL) wall to wall	86.7"W x 228.9"L x 85.9"H	Interior stowed (FL)	86.7"W x 228.9"L x 85.9"H	Interior stowed (FL)	86.7"W x 228.9"L x 85.9"H
Interior (MR) wall to wall	Main: 77.9"W x 157.3"L x 85.9"H	Interior stowed (MR)	Main: 77.9"W x 157.3"L x 78.94"H	Interior stowed (MR)	Main: 65.8"W x 144"L x 74"H
	MR: 86.7"W x 42.7"L x 85.9"H		MR: 86.7"W x 42"L x 85.9"H		MR: 86.7"W x 42.6"L x 85.9"H



Mobile expandable container configuration (M.E.C.C.)	
Fully customizable self-contained shelter with proven fabric structure technology expanding from standard 20-Foot ISO Shelter	
P/N	
Single door / double door w/ electric	50389-916
Single door / single door w/ electric	50389-932
Dimensions	
Exterior stowed (100 sq. ft.)	96"W x 240"L x 96"H
Exterior deployed (400 sq. ft.)	264"W x 240"L x 96"H

Shelters

Vehicle mounted solutions

AAR manufactures versatile mobile shelters that are mountable directly to their carrier vehicles. These shelters provide highly transportable workspaces and storage for a variety of objectives, such as logistics support, maintenance, administration, command-and-control, and other mission-essential functions in the battlefield environment.



Lightweight multi-purpose shelter (LMS)		Mobility shop container (MSC) for LMTV		Mobility shop container (MSC)		Mobility shop shelter (SVS)	
Tested and proven modular solution for command and control applications; true 90-degree interior corners; made of corrosion-resistant aluminum; EMI-Shielded (Type I & III).		Comes with an ECU, dehumidifier, exhaust fan, power distribution unit, work bench, shelves, part trays, closet, task lighting, power strips, slave cables, floornets and more; can be positioned on ground; fits on standard LMTV; Peck & Hale tie-down kit for over the road and rail transport.		Comes with an ECU, dehumidifier, exhaust fan, power distribution unit, work bench, shelves, parts trays, closet, task lighting, power strips, slave cables, floornets, and more; can be positioned on ground, fits on standard 5-ton truck, FMTV, HEMTT, flatbeds, and PLS flattracks.		Non-expandable shelter for LMTV 2.5-ton truck chassis, transportable stairs for easy entry and exit, fluorescent lights and 24VDC emergency and blackout light system, power distribution unit, double personnel door at rear.	
P/N		P/N		P/N		P/N	
Type I One door	58323-002	MSC for LMTV	50353-050	MSC	50353-001	SVS	50412-XXX
Type III One door, tunnel	58323-006	Battery maintenance	50353-062	MSC office	50353-002		
Type V Double rear doors	58323-007						
Exterior dimensions		Exterior dimensions		Exterior dimensions		Exterior dimensions	
84" W x 102"L x 67" H		90"W x 164"L x 84"H		90"W x 185"L x 84"H		95"W x 187"L x 85"H	



Expandable mobility shop container (EMSC)		2-280 C/G shelter		M1087 expandable van shelter (EVAN)		M105 trailer shop container (TSC)	
MSC has expandable softwalls that deploy in minutes; comes with ECU, power distribution unit, insulated floor, leveling jack kit, winch system, communication pass-through panel.		Highly mobile, fully insulated tactical shelter, designed to function in austere environments; easily modified using mounted racks and shelves, transported by 5-ton tactical trucks, M832 dolly set, HSMWS, helo with 8,500 lb. hook capacity, rail, and ship.		Highly configurable to meet customer requirements; self sustaining turnkey shelter with no setup required; CSC certified 6-high stackable.		Designed to be fully functional on a trailer or positioned on ground; modular high-density storage system including 30.8" deep storage trays; fluorescent lighting, 4-gang 120v electric outlet	
P/N		P/N		P/N		P/N	
EMSC	50386-XXX	2-280 C/G	50375-XXX	1087 EVAN	50422-XXX	TSC	50353-XXX
Exterior dimensions		Exterior dimensions		Exterior dimensions		Exterior dimensions	
87" W x 146"L x 84"H stowed		87"W x 147"L 83.38"H		96"W x 278"L x 84"H stowed		73"W x 107"L x 84"H	
234"W x 146"L x 84"H deployed				164"W x 278"L x 96"H deployed			