




Air Transportable Expandable Pallet Shelter - Raised Roof (ATEPS-RR) Data Sheet






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#	Description	Spec	Reference
1	Dimensions (External, packed configuration)	84"(w) X 104"(L) X 91"(h) (Designed to fit a single 463L air pallet) 32" wide man door (#9) in endwall.	
2	Floor Dimensions (Internal, deployed configuration)	176"(w) X 86"(L) X 82"(h)	
3	Cargo Dimensions (Internal, packed configuration, between outer cargo track)	600(w)" X 85"(L) X 50"(h) Additional cargo track to be added. There will now be two rows parallel to shelter wings. Exact location of all cargo track TBD.	TBD
4	Weight (baseline shelter)	2500 lbs.	
5	Shelter Frame Material	T6061 & T6063 Aluminum	
6	Cover Frame Material	T6061 Aluminum, with steel tensioner arm	
7	Wing Cover Material	- PVC coted vinyl, 18oz (Bondcote) - Reflectix foil/air insulation	
8	Core Roof/Floor Panel Material and construction	Aluminum structural framing, covered by Aluminum Skin. NO Urethane panels will be used in the core roof or floor.	
9	Wing Floor Panel Material and rating	Insulated Urethane/Aluminum Honey comb composite panel, rate for 65 psi	
10	Wing dims	48"x86"	



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11	Lifting and rigging	4 way fork pockets, with ISO corner casting for crane lifting	
12	A/C shelf	TBD	
13	Cargo Track	2x cargo track running length of shelter interior on core floor, rated for 5000 lbs. each.	
14	Frame coating	Polyurethane	
15	Floor coating	Anti-skid, wear-resistant epoxy coating	
16	Man Door(s)	1x 32" X 80" Hard door in frame for endwall. 2x 32" X 72" double zip fabric door.	
17	Cover pass through	- 1x 12" DIA. Ports, with port sleeve. - 1x 4" DIA. Ports, with sleeve.	



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18	Transport	<p>-Land: Any vehicle type with max load rating of 7000 lbs. or less.</p> <p>-Air (fixed wing): C130, C17, C5</p> <p>-Ocean: Can be transported inside shipping container (2 units in a 20' ISO container), or break bulk on any commercial vessel with necessary cargo capacity.</p>	
19	Interconnection	Designed to connect to other standard expandable and soft-wall shelters	
20	Deploy time	Baseline shelter can be deployed in 25 minutes or less, using two people.	
21	Ancillaries	<p>Baseline shelter includes:</p> <p>-4x removable wing support</p> <p>-4x corner leveling jack, rated for 2000 lbs/each</p>	