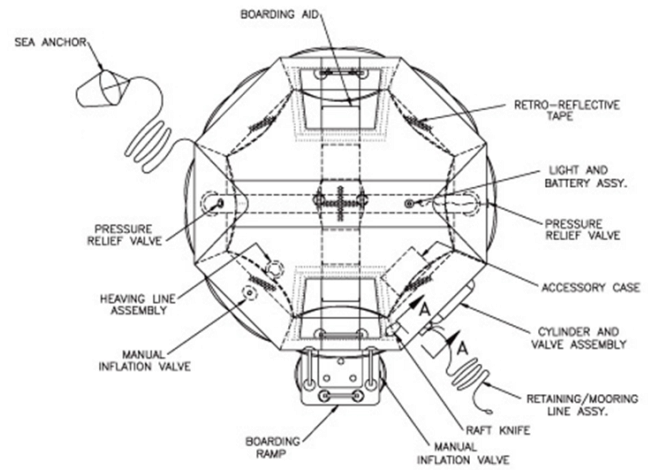




LIFE SUPPORT INTERNATIONAL

aviation safety, survival & rescue equipment

LIFE RAFT, T12AS, FAA TYPE I, 12-MAN Base Model: R1650-xxx *VIP Series*



APPROVALS

USA: FAA TSO-C70a, Type I

APPLICATION

- For Part 91, 121, 135 Operators (GA, Corporate, Helicopter, Air Taxi)
- Twin Tube Transport Series.
- Compact, lightweight. Constructed of neoprene coated nylon.
- High tech inflation system.
- Competitively priced.

T12AS CHARACTERISTICS

RATED CAPACITY:	12 PERSON
OVERLOAD CAPACITY:	18 PERSON
TOTAL TUBE BUOYANCY:	2,513 lb. (1,139.9 kg)
TOTAL DECK AREA:	50.4 ft ²
INFLATION SYSTEMS:	C/4500

PACKS / DIMENSIONS

- DIMENSIONS AND WEIGHTS SHOWN ARE NOMINAL AND DO NOT ALLOW FOR PACK EXPANSION AND SWELLING.
- TOLERANCES OF ACTUAL PACK DIMENSIONS:
- FOR DIMENSIONS OF 5.5 INCHES AND LESS = -0.25/+1.0 INCHES
- FOR DIMENSIONS GREATER THAN 5.5 INCHES = +/- 0.5 INCHES
- FOR STOWAGE COMPARTMENT CLEARANCE, ALLOW ADDITIONAL 0.5 TO 1.5 INCHES IN EXCESS OF FINAL PACK DIMENSIONS.
- TOLERANCE OF ACTUAL PACK WEIGHT = +/- 3.0 LBS.
- ALLOW ADDITIONAL 2.0 TO 4.0 LBS. WEIGHT WHEN ELT INSTALLED

CONFIGURATIONS

Survival Kit Contents: All Rafts come equipped with a standard FAR Survival Kit .

Kits may be customized to meet regulatory requirements.

All Rafts can be customized with: Emergency Locator Transmitters. Watermakers and Specialized Survival Kits.

Custom Canopies Deliver a Multi-Beneficial System.

Raft Capacities to Meet Industry Standards.

<u>Model</u>	<u>Description / Kit / Canopy</u>	<u>Dimensions & Weight</u>
R1650-101	T12AS twin tube-type I - FAR 121-Ramp	32 +/- .5" x 17 +/- .5" x 8 +/- .5", 60lb
R1650-105	T12AS twin tube-type I - FAR 135 Kit-Ramp-Watermaker	32 +/- .5" x 17 +/- .5" x 8.5 +/- .5", 73lb
R1650-107	T12AS twin tube-type I - JAR 135 Kit-Ramp-Watermaker	32 +/- .5" x 17 +/- .5" x 8 +/- .5", 74lb
R1650-109	T12AS twin tube-type I - FAR 121 Kit-Ramp-Inflatable Flr	32 +/- .5" x 17 +/- .5" x 8 +/- .5", 67lb
R1650-111	T12AS twin tube-type I - JAR 121 Kit-Ramp-Inflatable Flr	32 +/- .5" x 17 +/- .5" x 8 +/- .5", 73lb
R1650-115	T12AS twin tube-type I - JAR 135 Kit-Ramp-IF-Watermaker	32 +/- .5" x 17 +/- .5" x 8 +/- .5", 82lb
R1650-117	T12AS twin tube-type I - 121 / CARS / OPS 3 Std Flr-Watermaker	32 +/- .5" x 17 +/- .5" x 8 +/- .5", 66lb
R1650-121	T12AS twin tube-type I - JAR OPS 3 / CARS 135 Kit-Ramp-IF-Watermaker	32 +/- .5" x 17 +/- .5" x 8 +/- .5", 75lb
R1650-201	T12AS twin tube-type I - Deluxe - FAR 121 Kit-Ramp-Inflatable Flr	32 +/- .5" x 17 +/- .5" x 9.5 +/- .5", 77lb
R1650-203	T12AS twin tube-type I - Deluxe - JAR 121 Kit-Ramp-Inflatable Flr-Watermaker	32 +/- .5" x 17 +/- .5" x 9 +/- .5", 83lb
R1650-207	T12AS twin tube-type I - Deluxe - JAR 135 Kit-Ramp-IF-Watermaker	32 +/- .5" x 17 +/- .5" x 9 +/- .5", 92lb
R1650-209	T12AS twin tube-type I - Deluxe - JAR OPS 3 / CARS 135 Kit-Ramp-IF-Watermaker	32 +/- .5" x 17 +/- .5" x 9.5 +/- .5", 83lb
R1650-301	T12AS twin tube-type I - FAR 121-Ramp-HC	32 +/- .5" x 17.5 +/- .5" x 8.5 +/- .5", 75lb
R1650-303	T12AS twin tube-type I - JAR OPS1 / FAR 121-Ramp-HC	32 +/- .5" x 17.5 +/- .5" x 8.5 +/- .5", 80lb
R1650-305	T12AS twin tube-type I - FAR 135 Kit-Ramp-Watermaker-HC	32 +/- .5" x 17.5 +/- .5" x 8.5 +/- .5", 88lb
R1650-307	T12AS twin tube-type I - JAR OPS 1 / 135 Kit-Ramp-Watermaker-HC	32 +/- .5" x 17.5 +/- .5" x 8.5 +/- .5", 89lb

SPECIFICATIONS

Capacity	Rated: 12 Persons Overload: 18 Persons
Approval	USA: FAA TSO-C70a, Type I
Color	Tube: Yellow Canopy: Fluorescent red Stabilizing bags: Fluorescent red
Diameter Raft Tube	11.25" (285.75mm)
Canopy Arch Tube Diameter	6.0" (152 mm)
Inflated Volume: @ 1.50 psig	Tube 1: 20.14 ft. ³ (0.570 m ³) Tube 2: 20.14 ft. ³ (0.570 m ³) Canopy Arch Tube: 2.35 ft. ³ (0.066 m ³) Boarding Ramp Tube: 1.14 ft. ³ (0.032 m ³) Total: 43.77 ft. ³ (1.24 m ³)
Tube Volume Per Person: @ rated capacity	3.36 ft. ³ (0.095 m ³)
Total Tube Buoyancy: excluding raft floor	2513 lbs. (1140.0 kg)
Buoyancy Per Person: @ rated capacity, excluding raft floor	209.42 lbs. (94.99 kg)
Total Deck Area	50.4 ft. ² (4.68 m ²)
Deck Area Per Person: @ rated capacity	4.20 ft. ² (0.390 m ²)
Stabilizing Bags	Volume: 5 x 1.6 ft. ³ (5 x 0.045 m ³)
Water Ballast Weight Provided	5 x 99.8 lbs. (5 x 45.27 kg)
Tube Operating Pressure	Minimum: 1.5 psig (0.103 bar) Nominal: 2.0 psig (0.138 bar) Maximum: 3.0 psig (0.207 bar)
Pressure Relief Valves	Open: 3.0 psig (0.207 bar) Close: 2.0 psig (0.138 bar)
Tube Burst Pressure	Over +10 psig (+0.69 bar)
Inflation System	Cylinder Size: 412 in. ³ Cylinder Type: DOT SP 11194-4500, TC-SU 5303 310 Carbon and Glass Fiber Composite Charge Pressure: 4500 psig Charge Weights: CO ₂ : 1.00 to 1.02 lbs. (0.45 to 0.46 kg) Charge Weights: N ₂ : 4.57 to 4.67 lbs. (2.07 to 2.12 kg)
Environmental Limits	
Temperature	Functional Range: -40 to 140 °F (-40 to 60 °C) Storage Range: -65 to 160 °F (-54 to 71 °C)
Humidity	Up to 95% relative humidity
Altitude	-2000 to 45,100 ft. above sea level
Service Life	Indefinite if raft continues to pass periodic maintenance inspection
Frequency Of Inspection	Every 3 years, maximum.