## Type 122: 1.2m Rx/Tx Class I Antenna System



- ISO 9001:2008 Certificate of Registration
- All materials comply with EU Directive No. 2002/95/EC (RoHS).
- One-piece precision offset thermoset-molded reflector.
- Available with Ku-band copol or cross-pol feeds.
- Galvanized 19 mm (.75 in)
   O.D. feed support legs for lightweight outdoor units (ODU's).
- Plated hardware for maximum corrosion resistance.
- Az/El mount includes both elevation and azimuth fine adjustments.
- Class I system designed for typical lightweight Ku-band RF Electronics.\*
- Marinised version option is finished in a 2-part Epoxy paint on all 316 stainless steel hardware and galvanised steel fabricated components.
- \* 2.0 kg or 4.5 lb max. weight (For BUC and LNB) 2.2 kg or 4.8 lb max. weight (For Transceiver)









The **Skyware Global 1.2m Rx/Tx Class I Antenna** is a rugged commercial grade product suitable for the most demanding applications.

- The reflector is thermoset-molded for strength and surface accuracy. Molded into the rear of the reflector is a network of support ribs which not only strengthens the antenna, but also helps to sustain the critical parabolic shape necessary for transmit performance.
- The precision Az/El mount is constructed from heavy-gauge steel to provide a rigid support to the reflector.
- The Az/El mount secures the antenna to any 73-76 mm (2.88"-3.00") mast and prevents slippage in high winds.
- A specially formulated powder paint process offers excellent protection from weather-related corrosion.
- The antenna features a unique feed which provides cross-pol performance that exceeds industry standards.



### PRODUCT SPECIFICATIONS

**Type Approval Information** 

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Antenna Cross-Polarization. . . . . . . . . 30 db in 1 dB

Isolation (Port to Port)

Feed Interface

(All specifications typical)

### 1.2 m Rx/Tx Class I Antenna

#### Mechanical Performance

Reflector Material Glass Fiber Reinforced Polyester
Antenna Optics One-Piece Offset Feed Prime Focus
Mount Type Elevation over Azimuth
Elevation Adjustment Range 8°-90° Continuous Fine Adjustment
Azimuth Adjustment Range
Mast Pipe Interface73-76mm (2.88in-3.00in) Diameter
<b>Environmental Performance</b>
Wind Loading Operational45mph (72km/h)
Functional Survival
Ultimate Survival
Operational Temperature40°C to +60°C
Survival Temperature
Humidity 0 to 100% (Condensing)
AtmosphereStandard Hardware 500 Hrs  SST Requirements (ASTM B-117)Marinised Option has AISI 316 Stainless Steel Hardware
Solar Radiation
Shock and Vibration





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