1.8M C-band RxTx Class III Antenna System



PRODUCT SPECIFICATIONS

Detail Photos (on right from top to bottom)

Heavy-duty Az/El Mount

Fine Azimuith and Elevation Adjustments

RF tested C-band Linear Polarized feed assembly

This reflector is thermoset-molded for strength and surface accuracy







1.8m C-band Linear RxTx Class III Antenna System TYPE 183

he Skyware Global Type 183 1.8 m Class III RxTx 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 supportribs which not only strengthens the antenna, but also helps to sustain the critical parabolic shape necessary for transmit performance.

The Az/El mount is constructed from heavy-gauge steel to provide a rigid support to the reflector and feed support arm. Heavy-duty lockdown bolts secure the mount to any 114 mm (4.50") O.D. mast and prevent slippage in high winds.

Hot-dip galvanizing is standard on this model for maximum environmental protection. A marinised version of this antenna is also available making it suitable for on-shore and offshore marine environments.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- One-piece precision offset thermosetmolded reflector.
- Heavy-duty galvanized Az/El mount.
 Marinised version includes 2 part epoxy paint finish.
- Fine Azimuth and elevation adjustments.
- HD Galvanised support arm and alignment struts. Marinised version has all galvanized steel components finished with 2 part epoxy paint.
- Factory pre-assembled mount.
- Plated hardware for maximum corrosion resistance. Optional marinised version uses marine grade AISI 316 stainless steel hardware throughout.
- Includes Ku-band linear crosspolarized RxTx feed assembly.
- Heavy-duty Class III mount for 11 kg (25 lb) RF electronics (LNB & BUC).

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PRODUCT SPECIFICATIONS

RF Performance C-band	Linear
Effective Aperture	1.8m (71 in)
Operating Frequency TX	5.850 -6.725 GHz 3.400 -4.200 GHz
Polarization	. Linear, Orthogonal
Gain (±0.3 dB) TX	39.3 dBi @ 6.1 GHz 35.4 dBi @ 3.9 GHz
3 dB Beamwidth TX RX	2.0° @ 6.1 GHz 3.0° @ 3.9 GHz
Sidelobe Envelope (Tx, Co-Pol d $2.5^{\circ} < \theta < 20^{\circ}$	29-25 log θ
Antenna Cross-Polarization	30db On Axis
Antenna Noise Temperature 10° EL	36°K
VSWR TxRx	
Isolation (Port to Port) TxRx	
Feed Interface TxRx	Type N or CPR-137 CPR-229

All specifications typical)

1.8 m C-band Linear RxTx Class III Antenna

Mechanical Performance





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