

Type 845: 84cm Elliptical Receive-Only Antenna System



PRODUCT SPECIFICATIONS

Detail Photos
(on right from top to bottom)
Pre-assembled Az/EI Mount
Fine-elevation adjustment with stamped degree scale
Ku feed assembly with LNB cover



84 cm Elliptical Receive-Only Antenna System TYPE 845

The reflector is thermoset-molded for strength and surface accuracy.

The Skyware Global 84 cm Type 845 Elliptical Antenna is a rugged commercial grade product suitable for the most demanding applications.

The pole mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. A specially formulated powder paint process offers excellent protection from weather related corrosion.

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 its critical parabolic shape.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- One-piece thermoset-molded offset reflector.
- Factory pre-assembled Az/EI mount.
- Plated hardware for maximum corrosion resistance.



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• PRODUCT SPECIFICATIONS

RF Performance

Effective Aperture	84 cm Elliptical (33 in)
Dimensions of Reflector	102 cm x 77 cm
Operating Frequency	10.95 - 12.75 GHz
Polarization	Linear
Gain @ 11.95 GHz	39 dBi
3 dB Beamwidth	1.8°
Antenna Noise Temperature @ 30° El	25° K
VSWR	1.3:1
Cross-Polarization Discrimination (Linear) ...	30 dB on Axis
Feed Interface	WR75 Flat Flange

(All specifications typical)

84 cm Elliptical Receive Only Antenna

Mechanical Performance

Reflector Material	Glass Fiber Reinforced Polyester
Antenna Optics	One-Piece Offset Feed Prime Focus
Mount Type	Three Axis, Skew over Elevation over Azimuth
Polarization (Skew) Adjustment Range	±90° Continuous
Elevation Adjustment Range5° - 90° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous
Mast Pipe Interface60 mm (2.38 in)
Wind Loading	
Operational80 km/h (50 mph)
Survival	200 km/h (125 mph)
Temperature	-50°C to 80°C
Humidity	0 to 100% (Condensing)
Atmosphere	Standard Hardware Meets 500 Hour Salt Spray Test Requirements (ASTM B-117)
Solar Radiation	360 BTU/h/ft ²
Shock and Vibration	As Encountered During Shipping and Handling



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