



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



90 cm Receive-Only Antenna System TYPE 900

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

The Andrew Corporation 90 cm Type 900 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 its critical parabolic shape.

The Az/EI mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. The Az/EI mount secures the antenna to either a 2.38"

(60 mm) or 2.88"-3.00" (73-76 mm) O.D. mast and prevents slippage in high winds. A specially formulated powder paint process offers excellent protection from weather-related corrosion.

- One-piece precision offset thermoset-molded reflector.
- Single bolt fine elevation adjustments.
- Galvanized .75" (19 mm) O.D. feed support legs.
- Factory pre-assembled Az/EI mount.
- Plated hardware for maximum corrosion resistance.
- Available with a wide variety of Ku-Band feeds.

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SPECIFICATIONS

TYPE 900 90 cm Receive-Only Antenna System

RF Performance

Effective Aperture	90 cm (36in)
Operating Frequency	10.95-12.75 GHz
Polarization	Linear (Circular optional)
Gain @ 11.95 GHz	39.5 dBi
3 dB Beamwidth	2.0°
Antenna Noise Temperature @ 30° Elevation	27°K
VSWR	1.3:1
Cross-Polarization Discrimination (Linear)	>30 dB On Axis
Feed Interface	WR75 Cover Flange (UBR120)

(All specifications typical)

Mechanical Performance

Reflector Material	Glass Fiber Reinforced Polyester
Antenna Optics	One-Piece Offset Feed Prime Focus
Mount Type	Elevation over Azimuth
Elevation Adjustment Range	10°-70° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous
Mast Pipe Interface	2.38 in (60 mm) or 2.88-3.00 in (73-76 mm) Diameter
Wind Loading	Operational 50 mi/h (80 km/h) Survival 125 mi/h (200 km/h)
Temperature	-50°C to 80°C
Humidity	0 to 100% (Condensing)
Atmosphere	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft ²
Shock and Vibration	As Encountered During Shipping and Handling



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