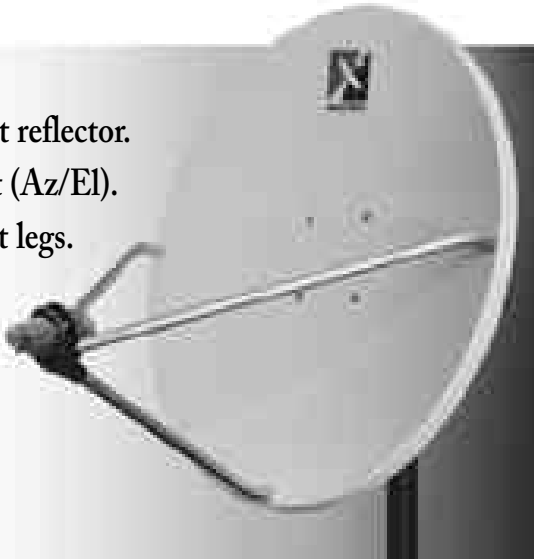


1.2m RECEIVE-ONLY OFFSET ANTENNA SYSTEM

- ◆ Available as a fully integrated system with Cambridge LNB.
- ◆ One-piece thermoset-moulded offset reflector.
- ◆ Single bolt fine elevation adjustment (Az/El).
- ◆ Galvanised 20mm O.D. feed support legs.
- ◆ Factory pre-assembled mount.
- ◆ Cadmium-plated hardware for maximum corrosion resistance.
- ◆ Available with a wide variety of C-Band or Ku-Band feed options.



The Channel Master® Type 120 Offset Antenna is a rugged commercial grade product suitable for the most demanding applications. The reflector is thermoset-moulded for strength and surface accuracy. Moulded 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/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 73mm - 76mm O.D. mast and prevents slippage in high winds. A specially formulated powder paint process offers excellent protection from weather-related corrosion.

SPECIFICATIONS

RF PERFORMANCE

EFFECTIVE APERTURE:

OPERATING FREQUENCY:

POLARISATION:

GAIN @ 11.95 GHz:

3 dB BEAMWIDTH:

ANTENNA NOISE TEMPERATURE

@ 30° ELEVATION:

VSWR (MAX.):

CROSS-POLARISATION

DISCRIMINATION (LINEAR):

FEED CLAMP DIAMETER:

MECHANICAL PERFORMANCE

REFLECTOR MATERIAL:

ANTENNA OPTICS:

MOUNT TYPE:

ELEVATION ADJUSTMENT RANGE:

AZIMUTH ADJUSTMENT RANGE:

MAST PIPE INTERFACE:

WIND LOADING:

REFLECTOR SIZE:

TEMPERATURE:

HUMIDITY:

ATMOSPHERE:

SOLAR RADIATION:

SHOCK AND VIBRATION:

C-BAND

1.2m

3.4 - 4.8 GHz

Linear/Circular

32.0 dBi (typical)

4.4°

32°K

1.4:1

>30 dB on axis

CPR-229

Glass fiber reinforced polyester

One-piece offset

Az/El or Pole or Polar

10°-70° Continuous fine adjustment (Az/El)

360° Continuous

73mm or 76mm (Az/El)/Pole Mount (50mm-76mm)/Polar (76mm)

80 km/h operational

200 km/h survival

122cm x 132cm

-50°C to 80°C

0 to 100% (condensing)

Salt, pollutants and contaminants as encountered in coastal and industrial areas

360 BTU/h/ft²

As encountered during shipping and handling

KU-BAND

1.2m

10.70 - 12.75 GHz

Linear/Circular

42.0 dBi (typical)

1.6°

24°K

1.3:1

>30 dB on axis

40mm

ANTENNA

TYPE 120

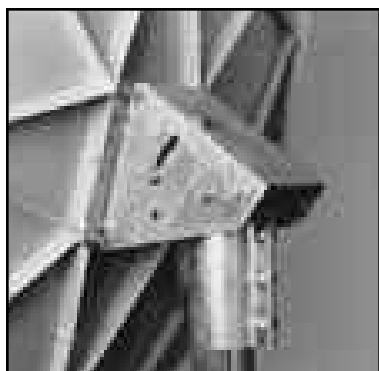
1.2m RECEIVE-ONLY OFFSET ANTENNA SYSTEM



*Polar Mount (Optional) (76mm)
Model 6033/02*



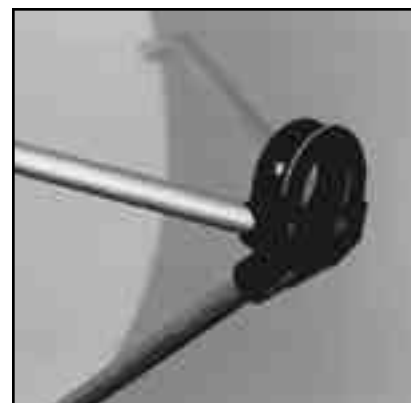
*Pole Mount (Pre-Galv) (50mm-76mm)
Model 6023/02 (Galv)*



*Az/El Mount (Optional)
(Galv) (76mm)
Model 6031/05*



*Multifeed (Optional)
Model 6067/01*



*40mm Block
(23mm Insert Optional)*

WEIGHTS/DIMENSIONS

Model 6022/01	15.2kg (135 x 18 x 125cm)
Model 6033/02	6.6kg (41 x 34 x 19cm)
Model 6031/05	5kg (21 x 21 x 30cm)
Model 6023/02	3kg (24 x 21 x 14cm)
Model 6067/01	1.4kg (34 x 13 x 60cm)

