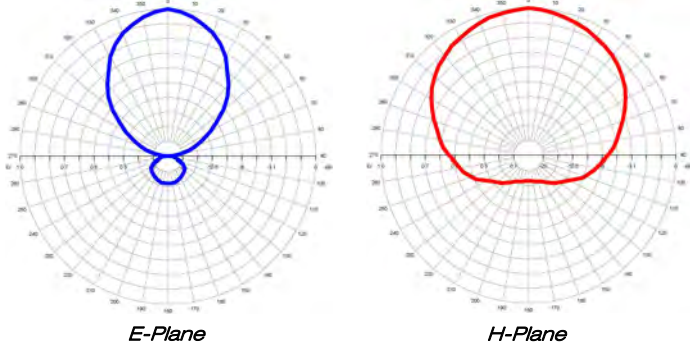


ELECTRICAL DATA

WORKING BAND: 47÷88 MHz
BANDWIDTH: approx 4MHz
GAIN: 4 dBd (6.2 dB)
VSWR: ≤ 1.3:1 (-17.7 dB)
POLARIZATION: Horizontal (or Vertical)
IMPEDANCE: 50 Ohm unbalanced
HALPOWER BEAMWIDTH:
 E-Plane - 69°
 H-Plane - 133°

LIGHTNING PROTECTION: all metal parts DC grounded
AVAILABLE VERSION AND CODE:
 ACP0101425 - N female connector - 600W
 ACP0101426 - DIN 7/16 female connector - 1400W
 ACP0101427 - EIA 7/8" flange - 2000W



E-Plane

H-Plane

MECHANICAL DATA

MATERIALS: reflecting grids and bolts in hot dip galvanized steel, stainless steel dipoles, teflon isolators, silicon O-Rings

MOUNTING: directly on supporting structure

MOUNTING BRACKETS: optional (code XZACP)

for Ø 60÷114mm. pipe

ICING PROTECTION: optional radome (code XRAST25)

TREATMENTS: hot dip galvanized grids

ANTENNA DIMENSIONS:

reflecting grid: 3000x1200 mm

dipole: 2940x1200 mm

WEIGHT: 25 Kg

WIND SURFACE: 0.38 m² front - 0.12 m² side

WIND LOAD (at 160Km/h and 30° C air temperature):

64.89 Kg front - 19.37 Kg side

SURVIVAL WIND: 180 Km/h

PACKING DIMENSIONS:

reflecting grid: box 1100x1300x80 mm - 25Kg gross

dipole: box 2300x200x150 mm - 10Kg gross

ARRAY DATA

| BAY | PANEL PER BAY | SYSTEM GAIN (dBd) | GAIN TIMES | WEIGHT (Kg) ² | SYSTEM HEIGHT (mt) | WIND LOAD (Kg) ³ |
|-----|---------------|-------------------|------------|--------------------------|--------------------|-----------------------------|
| 2 | 1 | 7.0 | 5.01 | 66 | 4.8 | 129.8 |
| 4 | 1 | 10.0 | 10.00 | 127 | 12.0 | 259.6 |
| 6 | 1 | 11.8 | 15.14 | 190 | 19.2 | 389.3 |
| 8 | 1 | 13.0 | 19.95 | 272 | 26.4 | 519.1 |
| 12 | 1 | 14.8 | 30.20 | 404 | 40.8 | 778.7 |
| 1 | 2 | 2.2 | 1.66 | 66 | 1.2 | 84.3 |
| 2 | 2 | 5.2 | 3.31 | 127 | 4.8 | 168.5 |
| 4 | 2 | 8.2 | 6.61 | 272 | 12.0 | 337.0 |
| 6 | 2 | 10.0 | 10.00 | 404 | 19.2 | 505.6 |
| 8 | 2 | 11.2 | 13.18 | 532 | 26.4 | 674.1 |
| 12 | 2 | 13.0 | 19.95 | 806 | 40.8 | 1011.1 |
| 1 | 3 | 0.5 | 1.12 | 94 | 1.2 | 103.7 |
| 2 | 3 | 3.5 | 2.24 | 190 | 4.8 | 207.3 |
| 4 | 3 | 6.5 | 4.47 | 404 | 12.0 | 414.5 |
| 6 | 3 | 8.3 | 6.76 | 598 | 19.2 | 621.8 |
| 8 | 3 | 9.5 | 8.91 | 806 | 26.4 | 829.0 |
| 12 | 3 | 11.3 | 13.49 | 1225 | 40.8 | 1243.6 |
| 1 | 4 | -0.8 | 0.83 | 127 | 1.2 | 103.7 |
| 2 | 4 | 2.2 | 1.66 | 272 | 4.8 | 207.3 |
| 4 | 4 | 5.2 | 3.31 | 532 | 12.0 | 414.5 |
| 6 | 4 | 7.0 | 5.01 | 806 | 19.2 | 621.8 |
| 8 | 4 | 8.2 | 6.61 | 1064 | 26.4 | 829.0 |
| 12 | 4 | 10.0 | 10.00 | 1618 | 40.8 | 1243.6 |

1 - Gain referred at mid band -1° null filling and electrical tilt not take into account
 2 - mounting hardware not take into account
 3 - 160Km/h wind and 30° C air temperature

ACP 01 01 42x

VHF - Band I
 Radio & TV
 Broadcasting

Antenna a pannello con dipolo sintonizzato in acciaio inox e riflettore in acciaio zincato a caldo
 Irradiazione direttiva
 Adatta per accoppiamenti a 90°
 Smontabile

*Antenna panel with st. steel tuned dipole and hot dip galvanized steel reflecting grid.
 Directional pattern
 Suitable for 90° coupling
 Demountable*

