

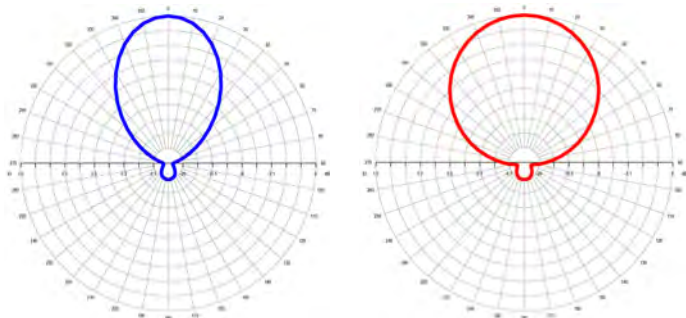
ELECTRICAL FEATURES

WORKING BAND: 87.5÷108 MHz
BANDWIDTH: 0.2 MHz
GAIN: 7 dBd (9.2 dBi)
VSWR: ≤ 1.1:1 (-26.4 dB)
POLARIZATION: vertical (or horizontal)
IMPEDANCE: 50 Ohm unbalanced
HALF POWER BEAMWIDTH:
 E-Plane - 60°
 H-Plane - 90°

LIGHTNING PROTECTION: all metal parts DC grounded

AVAILABLE VERSIONS AND CODE:

AST0302335 - N female connector - max 400W
 AST0302336 - DIN 7/16 female connector - max 1200W
 AST0302337 - EIA 7/8" flange- max 1800W



E-Plane

H-Plane

MECHANICAL FEATURES

MATERIALS: antenna in st. steel, bracket and bolts in hot dip galvanized steel, components in aluminium, teflon isolators, silicon O-Rings

MOUNTING: directly on supporting structure

MOUNTING BRACKETS: included for Ø 60÷114mm. pipe

ICING PROTECTION:

optional ABS radome on semi-dipole (code XRAST25)

TREATMENTS: hot-dip galvanized bracket,

aluminium components military grade MIL-C-5541

ANTENNA DIMENSIONS: 1600x1500x60 mm (@ 98.0 MHz)

WEIGHT: 5.5 Kg

WIND SURFACE: 0.04 m² front - 0.16 m² side

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

3.56 Kg front - 13.13 Kg side

SURVIVAL WIND: 160Km/h

PACKING DIMENSIONS:

box 1700x200x150 mm - 7.5 Kg gross — antenna @ 98.0MHz

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) ¹	GAIN TIMES ¹	WEIGHT (Kg) ²	SYSTEM HEIGHT (m) ³	WIND LOAD (Kg) ³
2	1	9.45	8.81	30	4.1	26.3
4	1	12.33	17.10	53	9.5	52.5
6	1	14.04	25.35	79	14.4	78.8
8	1	15.27	33.65	100	19.6	105.0
12	1	17.01	50.23	150	30.0	157.6

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

Antenna yagi sintonizzata a 3 elementi in acciaio inox. Irradiazione direttiva. Adatta per sistemi collineari FM. Smontabile.

Yagi 3 elements tuned stainless steel antenna. Directional radiation pattern. Suitable for FM stacked-array antenna system. Demountable.

