

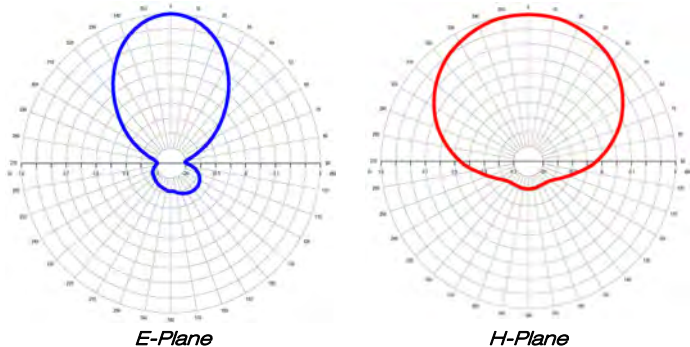
ELECTRICAL FEATURES

WORKING BAND: 87.5÷108 MHz
BANDWIDTH: FM band
GAIN: 4.5 dBd (6.7 dBi)
VSWR: ≤ 1.23:1 (-19.7dB)
POLARIZATION: vertical (or horizontal)
IMPEDANCE: 50 Ohm unbalanced
HALF POWER BEAMWIDTH:
 E-Plane - 66°
 H-Plane - 128°

LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors

AVAILABLE VERSIONS AND CODE:

ASR0302315 - EIA 7/8" flange- max 5000W
 ASR0302316 - DIN 7/16 fem. connector - max 3000W
 ASR0302317 - N fem. connector - max 800W



E-Plane

H-Plane

MECHANICAL FEATURES

MATERIALS: bracket and bolts in hot dip galvanized steel, body and lines 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 (code XRASR)

TREATMENTS: hot-dip galvanized bracket, silver plated internal lines and connector, antenna military grade MIL-C-5541

PRESSURIZATION: 5.0 psi

ANTENNA DIMENSIONS: 1820x1600x230 mm

WEIGHT: 12 Kg

WIND SURFACE: 0.05 m² front - 0.20 m² side

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

5.62 Kg front - 16.45 Kg side

SURVIVAL WIND: 180Km/h

PACKING DIMENSIONS:

box 1760x370x150 mm - 15 Kg gross

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) ¹	GAIN TIMES ¹	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	6.48	4.45	42	4.4	32.9
4	1	9.56	9.04	74	9.6	65.8
6	1	11.33	13.58	106	14.8	98.7
8	1	12.57	18.07	156	20.0	131.6
12	1	14.34	27.16	212	30.5	197.4

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

ASR 03 02 31x

VHF
 Band FM
 Radio Broadcasting

Antenna yagi a 3 elementi in alluminio. Irradiazione direttiva. Adatta per sistemi FM collineari Smontabile - Pressurizzabile Banda larga 87.5 ÷ 108 MHz

Yagi 3 elements aluminium antenna . Directional radiation pattern. Suitable for FM stacked-array antenna system. Demountable - Pressurizable Broadband 87.5 ÷ 108 MHz

