

ELECTRICAL FEATURES**WORKING BAND:** 87.5÷108 MHz**BANDWIDTH:** FM band**GAIN:** 3.2 dBd (5.4 dBi)**VSWR:** ≤ 1.28:1 (-18 dB)**POLARIZATION:** vertical (horizontal upon request)**IMPEDANCE:** 50 Ohm unbalanced**HALF POWER BEAMWIDTH:**

E-Plane - 73°

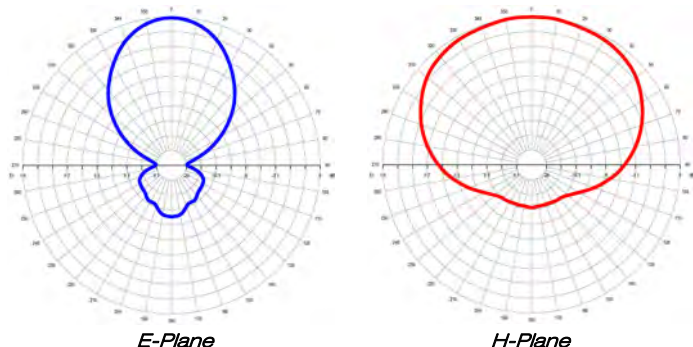
H-Plane - 161°

LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors**AVAILABLE VERSIONS AND CODE:**

ASR0202322 - EIA 7/8" flange - max 5000W

ASR0202321 - DIN 7/16 fem. connector - max 3000W

ASR0202320 - N fem. connector - max 800W



E-Plane

H-Plane

MECHANICAL FEATURES**MATERIALS:** body, bracket and bolts in hot dip galvanized steel, 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 XRADE)**TREATMENTS:** hot-dip galvanized body and bracket, silver plated internal lines (mod. ASR0202322)**ANTENNA DIMENSIONS:** 1850x1270x150 mm**WEIGHT:** 15 Kg**WIND SURFACE:** 0.09 m² front - 0.22 m² side**WIND LOAD (at 160Km/h and 30° C air temperature):**

7.44 Kg front - 18.08 Kg side

SURVIVAL WIND: 220Km/h**PACKING DIMENSIONS:**

box 1900x1600x150 mm - 19 Kg gross

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) ¹	GAIN TIMES ¹	WEIGHT (Kg) ²	SYSTEM HEIGHT (m)	WIND LOAD (Kg) ³
2	1	6.48	4.45	48	4.4	36.2
4	1	9.56	9.04	86	9.6	72.3
6	1	11.33	13.58	124	14.8	108.5
8	1	12.57	18.08	172	20.0	144.6
12	1	14.34	27.16	248	30.5	217.0

1 - gain referred at mid band -1st 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 a 2 elementi in acciaio zincato a caldo. Irradiazione semi-direttiva. Adatta per sistemi FM collineari. Banda larga 87.5 ÷ 108 MHz

Yagi 2 elements antenna in hot-dip galvanized steel. Semi-directional radiation pattern. Suitable for FM stacked-array antenna system. Broadband 87.5 ÷ 108 MHz

