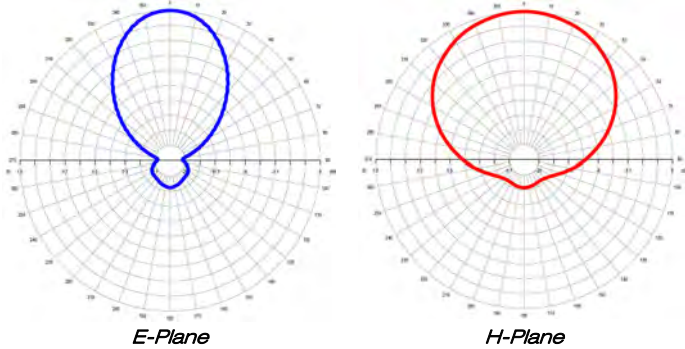


ELECTRICAL FEATURES

WORKING BAND: 87.5÷108 MHz
BANDWIDTH: FM band
GAIN: 5.0 dBd (7.2 dBi)
VSWR: ≤ 1.28:1 (-18 dB)
POLARIZATION: vertical (horizontal upon request)
IMPEDANCE: 50 Ohm unbalanced
HALF POWER BEAMWIDTH:
 E-Plane - 65°
 H-Plane - 120°
LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors
AVAILABLE VERSIONS AND CODE:
 ASR0302322 - EIA 7/8" flange - max 5000W
 ASR0302321 - DIN 7/16 fem. connector - max 3000W
 ASR0302320 - N fem. connector - max 800W



E-Plane

H-Plane

MECHANICAL FEATURES

MATERIALS: body, bolts and bracket 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 XRASF)
TREATMENTS: hot-dip galvanized body and bracket, silver plated internal lines (only mod. ASR0302322)
ANTENNA DIMENSIONS: 1850x1600x150 mm
WEIGHT: 18 Kg
WIND SURFACE: 0.06 m² front - 0.25 m² side
WIND LOAD (at 160Km/h and 30° C air temperature):
 7.44 Kg front - 20.86 Kg side
SURVIVAL WIND: 220Km/h
PACKING DIMENSIONS:
 box 1900x1600x150 mm - 23 Kg gross

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd)	GAIN TIMES ¹	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	7.93	2.79	54	4.4	41.7
4	1	10.89	12.27	98	9.6	83.4
6	1	12.63	18.32	142	14.8	125.2
8	1	13.87	24.38	204	20.0	166.9
12	1	15.61	36.39	284	30.5	250.3

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 32x

VHF
Band FM
 Radio Broadcasting

Antenna yagi a 3 elementi in acciaio zincato. Irradiazione direttiva. Adatta per sistemi FM collineari. Banda larga 87.5 ÷ 108 MHz

Yagi 3 elements antenna in hot-dip galvanized steel. Directional radiation pattern. Suitable for FM stacked-array antenna system. Broadband 87.5 ÷ 108 MHz

