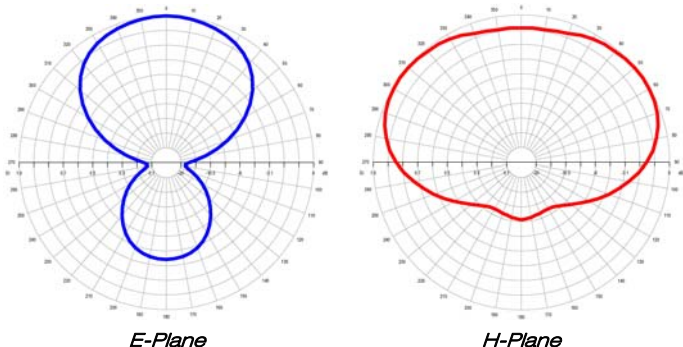


ELECTRICAL FEATURES

WORKING BAND: 174÷230MHz
BANDWIDTH: VHF band III (TV & DAB)
GAIN: 1.5 dBd (3.6 dBi)
VSWR: ≤ 1.25:1 (-19 dB)
POLARIZATION: Vertical
HALF POWER BEAMWIDTH:
 E-Plane - 106°
 H-Plane - 205°

LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors

AVAILABLE VERSIONS AND CODE:
 ADB0104211 - DIN 7/16 female - max 2000W (single car.)
 ADB0104210 - EIA 7/8" flange - max 3500W (single car.)



E-Plane

H-Plane

MECHANICAL FEATURES

MATERIALS: Welded aluminium antenna bracket and bolts in hot-dip galvanized steel, Teflon isolators, aluminum line, Silicon O-Rings

MOUNTING: directly on supporting structure

MOUNTING BRACKETS: included for Ø 40÷114mm. pipe

ICING PROTECTION: ABS radome

TREATMENTS: Military norms treatment (MIL-C-5541)

Silver-plated internal lines and connector

ANTENNA DIMENSIONS: 600x670x130 mm

WEIGHT: 10 Kg

WIND SURFACE: 0.11 m² front - 0.19 m² side

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

8.76 Kg front - 19.30 Kg side

SURVIVAL WIND: 180Km/h

PACKING DIMENSIONS:

box 800x800x200mm - 14 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	4.88	3.08	25	2.0	38.6
4	1	8.37	6.87	60	4.8	77.2
6	1	10.33	10.79	95	7.6	115.8
8	1	11.69	14.76	130	10.4	154.4
12	1	13.54	22.59	198	16.4	231.6

1 - 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 a dipolo in alluminio saldato. Irradiazione pressoché omnidirezionale. Adatta per sistemi collineari per DAB o VHF B.III. Banda larga 174 ÷ 230 MHz

Dipole antenna in welded aluminium. Omnidirectional pattern with preferred direction. Suitable for DAB or VHF B.III stacked-array antenna system. Broadband 174 ÷ 230 MHz

