ACG 01 02 23x

VHF Band FM Radio Broadcasting

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Antenna circolare sintonizzata in banda FM, interamente in acciaio inox.

Tuned circular antenna in FM band, wholly in stailess steel.

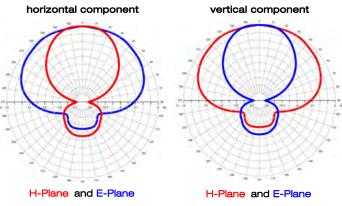
GAIN: 2.23 dBd (-0.03 dBi) VSWR: ≤ 1.1:1 (-26.4 dB) POLARIZATION: Circular IMPEDANCE: 50 Ohm unbalanced HALPOWER BEAMWIDTH: Vertical component - E-Plane - 85° Vertical component - H-Plane - 175° Horizontal component - E-Plane - 175° Horizontal component - H-Plane - 85° LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors AVAILABLE VERSION AND CODE:

ELECTRICAL DATA

BANDWIDTH: 0.2 MHz

WORKING BAND: 87.5÷108 MHz

ACG0102230 - N female - max. 500W - to be tuned on field ACG0102231 - N female - max. 500W - factory tuned



MECHANICAL DATA

MATERIALS: body and additional semi dipoles in st. steel, hot dip galvanized steel bolts, teflon isolators MOUNTING: directly on supporting structure MOUNTING BRACKETS: included for Ø 30+65mm. pipe TREATMENTS: silver-plated connector ANTENNA DIMENSIONS: 840x900x300 mm WEIGHT: 4.5 Kg WIND SURFACE: 0.01 m² front - 0.04 m² side

WIND SONFACE: 0.01 m infort - 0.04 m side WIND LOAD (at 160Km/h and 30° C air temperature): 1.03 Kg front - 3.12 Kg side SURVIVAL WIND: 180Km/h PACKING DIMENSIONS:

box 1100x1100x360 mm - 7Kg 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	0.78	1.2	18	3.5	6.2
4	1	3.79	2.39	30	8.9	12.5
6	1	5.55	3.59	46	14.3	18.7
8	1	6.8	4.79	60	19.7	25.0
12	1	8.56	7.18	94	30.5	37.4

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

Reliable Antennas

All products are sold under warranty terms. Details at: www.aldena.it e above modifie

e mentioned data might ed without any I notification