

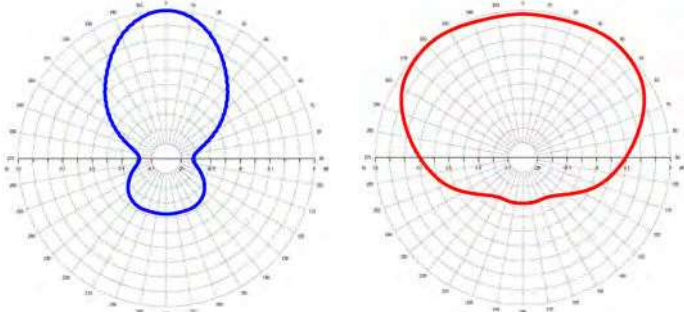
**ELECTRICAL DATA**

**WORKING BAND:** 87.5 ÷ 108 MHz  
**BANDWIDTH:** FM band  
**GAIN :** 2.07 dBd (4.27 dBi)  
**VSWR:** ≤ 1.27:1 (-18,5 dB)  
**POLARIZATION:** Vertical  
**IMPEDANCE:** 50 Ohm unbalanced  
**HALF POWER BEAMWIDTH:**  
 E-Plane - 69°  
 H-Plane - 178°

**LIGHTNING PROTECTION:** all metal parts DC grounded including inner conductors

**AVAILABLE VERSIONS AND CODE:**

ADE0102222 - EIA 7/8" flange - max 5000 W (sing. carr.)  
 ADE0102221 - DIN 7/16 female - max 3000 W (sing. carr.)  
 ADE0102220 - N female - max 800 W (sing. carr.)  
 ADE0102231 - DIN 7/16 female - max 3000 W (sing. carr.)  
 ADE0102230 - N female - max 800 W (sing. carr.)



E-Plane

H-Plane

Antenna a dipolo in acciaio inox o acciaio zincato a caldo. Irradiazione pressoché omnidirezionale. Adatta per sistemi collineari FM a media e alta potenza. Banda larga 87.5 ÷ 108 MHz

*Dipole antenna in stainless steel or hot dip galvanized steel. Omnidirectional pattern with preferred direction. Suitable for medium and high power FM arrays. Broadband 87.5 ÷ 108 MHz*

**MECHANICAL DATA**

**MATERIALS:** Body and bolts in hot dip galvanized steel (ADE010222x models) or stainless steel (ADE010223x models),

teflon isolators, silicon O-Rings, aluminum internal lines

**MOUNTING:** directly on supporting structure

**MOUNTING BRACKETS:** included for Ø 60÷114mm, pipe

**ICING PROTECTION:** Optional ABS radome (Code XRADE)

**TREATMENTS:** hot dip galvanized steel, silver-plated lines (only mod. ADE0102222)

**ANTENNA DIMENSIONS:** 1350x1050x50 mm

**WEIGHT:**

ADE010222x - 11 Kg

ADE010223x - 9 Kg

**WIND SURFACE:** 0.07 m<sup>2</sup> front - 0.12 m<sup>2</sup> side

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

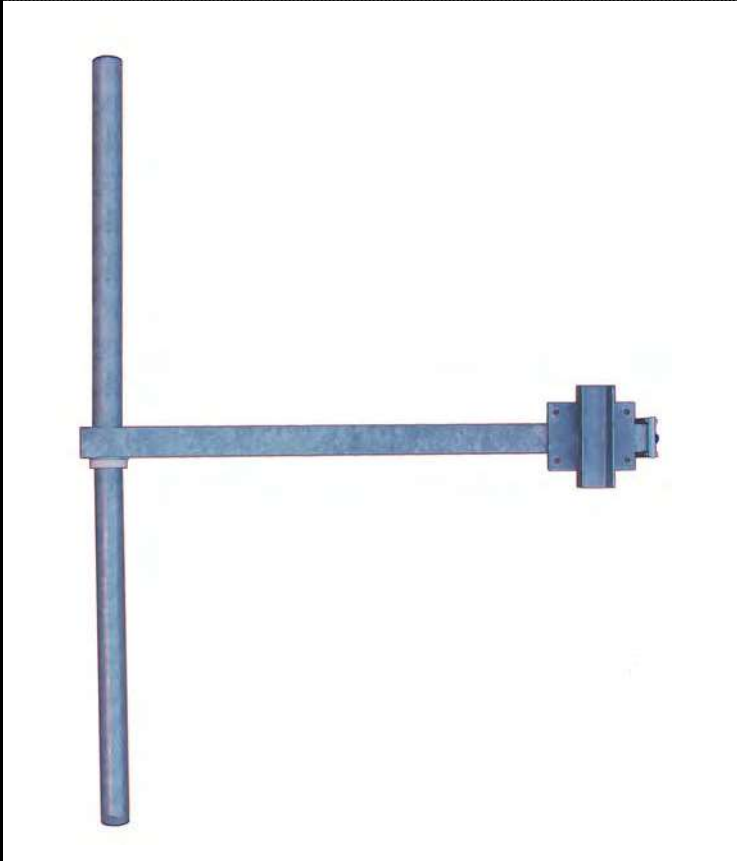
5.58 Kg front - 9.92 Kg side

**SURVIVAL WIND:** 220Km/h

**PACKING DIMENSIONS:**

ADE010222x - Box 1400x1200x150 mm - 15Kg gross

ADE010223x - Box 1400x1200x150 mm - 13Kg gross



**ARRAY DATA**

BAY	PANEL PER BAY	SYSTEM GAIN (dBd)	GAIN TIMES <sup>1</sup>	WEIGHT (Kg) <sup>2,4</sup>	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) <sup>3</sup>
2	1	5.0	3.16	35	4.1	19.8
4	1	8.0	6.31	63	9.5	39.7
6	1	9.8	9.55	94	14.4	59.6
8	1	11.0	12.59	120	19.6	79.4
12	1	12.8	19.06	180	30	119.2

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  
 4 - Weight referred to ADE010222x models