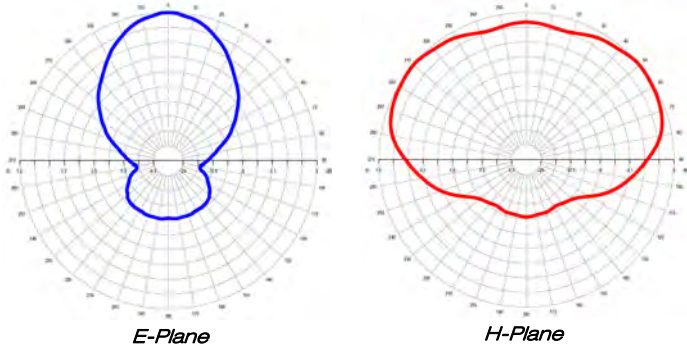


**ELECTRICAL FEATURES**

**WORKING BAND:** 87.5÷108 MHz  
**BANDWIDTH:** FM band  
**GAIN:** 1.5 dBd (3.7 dBi)  
**VSWR:** ≤ 1.2:1 (-20.8 dB)  
**POLARIZATION:** vertical  
**IMPEDANCE:** 50 Ohm unbalanced  
**HALF POWER BEAMWIDTH:**  
 E-Plane - 79°  
 H-Plane - 201°

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

**AVAILABLE VERSIONS AND CODE:**  
 ASE0102210 and ASE0102230 - EIA 1 5/8" - max 12000 W



**ASE 01 02 2x0**

**VHF**  
**Band FM**  
 Radio Broadcasting

Antenna a dipolo in alluminio saldato o acciaio inox. Irradiazione pressoché omnidirezionale. Adatta per sistemi FM collineari ad alta potenza. Smontabile - Pressurizzabile Banda larga 87.5 ÷ 108 MHz

*Dipole antenna in welded aluminium or stainless steel.  
 Omnidirectional pattern with preferred direction.  
 Suitable for high power FM stacked-array antenna system.  
 Demountable - Pressurizable  
 Broadband 87.5 ÷ 108 MHz*

**MECHANICAL FEATURES**

**MATERIALS:** body in treated aluminium (model ASE0102210) or stainless steel (model ASE0102230), teflon isolators, silicon O-Rings, hot dip galvanized steel bolts

**MOUNTING:** directly on supporting structure  
**MOUNTING BRACKETS:** included for Ø 90÷150mm. pipe  
**TREATMENTS:** military grade treated (MIL-C-4451) silver plated internal lines

**PRESSURIZATION:** 5.0 psi  
**ANTENNA DIMENSIONS:** 1340x1170x260 mm  
**WEIGHT:**

ASE0102210 - 16 Kg  
 ASE0102230 - 26 Kg  
**WIND SURFACE:** 0.11 m<sup>2</sup> front - 0.21 m<sup>2</sup> side  
**WIND LOAD (at 160Km/h and 30° C air temperature):**  
 9.38 Kg front - 17.57 Kg side  
**SURVIVAL WIND:** 220Km/h

**PACKING DIMENSIONS:**  
 ASE0102210 - box 1340x310x230 mm - 22 Kg gross  
 ASE0102230 - box 1340x310x230 mm - 34 Kg 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	5.49	3.54	50	3.9	35.1
4	1	8.5	7.08	90	9.1	70.3
6	1	9.74	9.42	130	14.3	105.4
8	1	11.48	14.06	180	19.5	140.6
12	1	13.24	21.09	260	30	210.8

1 - gain referred at mid band -1<sup>st</sup> 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 ASE0102230 model

