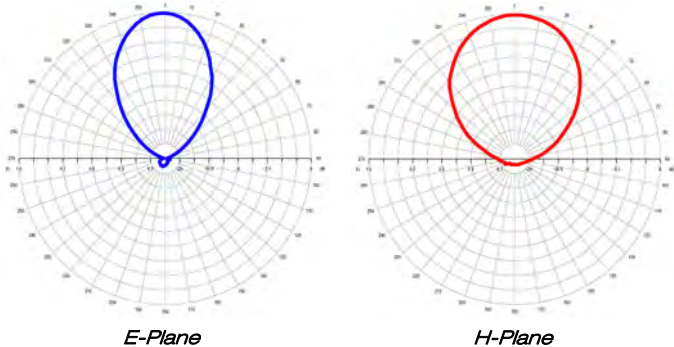


**ELECTRICAL DATA**

**WORKING BAND:** 87.5÷108 MHz  
**BANDWIDTH:** FM band  
**GAIN:** 7.5 dBd (9.7 dB)  
**VSWR:** ≤ 1.28:1 (-18 dB)  
**POLARIZATION:** vertical (or horizontal)  
**IMPEDANCE:** 50 Ohm unbalanced  
**HALF POWER BEAMWIDTH:**  
 E-Plane - 55°  
 H-Plane - 78°

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

**AVAILABLE VERSIONS AND CODE:**  
 ALP0802712 - EIA 7/8" connector - max 5000 W



**ALP 08 02 712**

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

Antenna log-periodica a 8 elementi in alluminio trattato a norme militari e verniciato. Irradiazione direttiva con lobi secondari ridotti. Adatta per sistemi collineari e per diagrammi d'irradiazione complessi. Banda larga 87.5 ÷ 108 MHz. Smontabile - Leggera.

*Log-periodic antenna 8 elements in military grade treated and painted aluminium. Directional irradiation pattern with reduced side lobes. Suitable for stacked array and complex irradiation pattern antenna systems. Broadband 87.5 ÷ 108 MHz. Demountable - Light.*

**MECHANICAL DATA**

**MATERIALS:** elements and body in aluminium, hot dip galvanized steel bracket and bolts, teflon isolators, silicon O-Rings, safety rope in parafil® and st. steel turnbuckle  
**MOUNTING:** directly on supporting structure  
**MOUNTING BRACKETS:** included for Ø 60÷114mm. pipe  
**ICING PROTECTION:** optional ABS radome (code XRALP)  
**TREATMENTS:** military grade treated (MIL-C-4451) powder painted elements and body (color grey RAL 7001)  
**ANTENNA DIMENSIONS:** 2650x1766x300 mm  
**WEIGHT:** 26 Kg  
**WIND SURFACE:** 0.07 m² front - 0.47 m² side  
**WIND LOAD (at 160Km/h and 30° C air temperature):** 5.52 Kg front - 66.81 Kg side  
**SURVIVAL WIND:** 220Km/h  
**PACKING DIMENSIONS:**  
 antenna: box 2980x250x250 mm - 18Kg gross  
 bracket: box 310x360x400 mm - 20Kg gross  
**SPECIAL FEATURES:** optional brackets for slant polarization or side-by-side arrays (cod. XSTLOG-ROT & XSTLOG-PER)

**ARRAY DATA**

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) <sup>1</sup>	GAIN TIMES <sup>2</sup>	WEIGHT (Kg) <sup>2</sup>	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) <sup>3</sup>
2	1	9.2	8.32	75	5.5	134
4	1	12.1	16.22	145	10.9	267
6	1	13.8	23.99	220	16.3	401
8	1	15.1	32.36	295	21.7	534
12	1	16.8	47.86	450	32.5	802

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

