

**ELECTRICAL DATA**

WORKING BAND: 87.5÷108 MHz

BANDWIDTH: FM band

GAIN: 7.5 dBd (9.7 dBi)

VSWR:  $\leq 1.28:1$  (-18 dB)

POLARIZATION: vertical (or horizontal)

IMPEDANCE: 50 Ohm unbalanced

HALF POWER BEAMWIDTH:

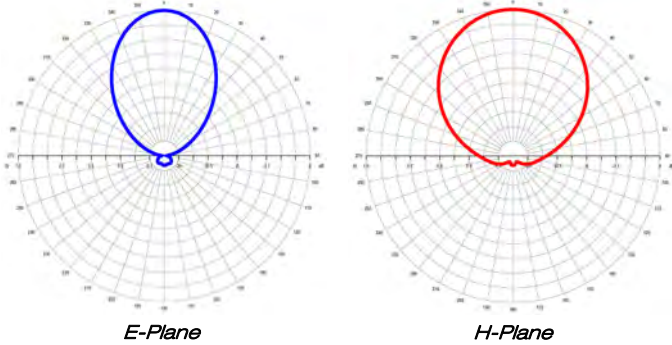
E-Plane - 60°

H-Plane - 92°

LIGHTNING PROTECTION: all metal parts DC grounded  
including inner conductors

AVAILABLE VERSIONS AND CODE:

ALP0802715 - DIN 7/16 connector - max 3000 W



E-Plane

H-Plane

**MECHANICAL DATA**

MATERIALS: elements and body in aluminium, hot dip galvanized steel bracket and bolts, teflon isolators, silicon O-Rings.

MOUNTING: directly on supporting structure

MOUNTING BRACKETS: included for  $\varnothing 60\div 114$ mm. pipeTREATMENTS: powder painted elements and body  
(color grey RAL 7001)

ANTENNA DIMENSIONS: 1900x2800x230 mm

WEIGHT: 18 Kg

WIND SURFACE: 0.07 m<sup>2</sup> front - 0.47 m<sup>2</sup> side

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

5.52 Kg front - 66.81 Kg side

SURVIVAL WIND: 180Km/h

PACKING DIMENSIONS:

wooden cage (ISMP-15): 2900x2000x300 mm - 90 Kg gross

SPECIAL FEATURES:

optional safety rope in parafil® and st. steel turnbuckle  
(cod. XPAR & XTEN1.5T)

optional brackets for side-by-side arrays (cod. XSTLOG-PER)

**ARRAY DATA**

BAY	PANEL PER BAY	SYSTEM GAIN (dBd)	GAIN TIMES <sup>1</sup>	WEIGHT (Kg) <sup>2</sup>	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) <sup>3</sup>
2	1	9.2	8.32	55	5.5	134
4	1	12.1	16.22	105	10.9	267
6	1	13.8	23.99	160	16.3	401
8	1	15.1	32.36	215	21.7	534
12	1	16.8	47.86	330	32.5	802

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

Antenna log-periodica a 8 elementi in alluminio verniciato. Irradiazione direttiva con lobi secondari ridotti. Adatta per sistemi collineari FM. Banda larga 87.5 ÷ 108 MHz. Leggera.

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

