

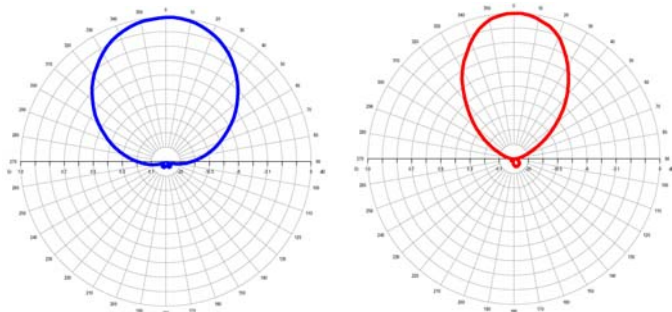
ELECTRICAL FEATURES

WORKING BAND: 174÷230 MHz
BANDWIDTH: VHF band III (TV & DAB)
GAIN: 7 dBd (9.3 dBi)
VSWR : ≤ 1.12:1 (-24.94 dB)
POLARIZATION: horizontal (or vertical)
HALPOWER BEAMWIDTH:
 E-Plane - 90°
 H-Plane - 61°

LIGHTNING PROTECTION: all metal parts DC grounded
 including inner conductors

AVAILABLE VERSION AND CODE:

ALP0704710 - DIN 7/16 female - max 2000W (single car.)
 ALP0704711 - EIA 7/8" flange - max 3000W (single car.)



E-Plane

H-Plane

MECHANICAL FEATURES**MATERIALS:**

elements and body in painted aluminium, teflon isolators,
 silicon O-Rings, hot dip galvanized bracket and bolts

MOUNTING: directly on supporting structure

MOUNTING BRACKETS: included for Ø 40÷114mm. pipe

ICING PROTECTION: ABS radome

TREATMENTS: powder painted elements and body
 (grey color - RAL 7001)

ANTENNA DIMENSIONS: 1620x838x90 mm

WEIGHT: 14 Kg

WIND SURFACE: 0.02 m² front - 0.24 m² side

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

1.45 Kg front - 37.37 Kg side

SURVIVAL WIND: 180Km/h

PACKING DIMENSIONS:

antenna: box 1900x900x150 mm

bracket: box 310x360x400 mm

20 Kg gross

SPECIAL FEATURES:

mounting brackets for slant polarization or parallel arrays
 (cod. XSTLOG-ROT & XSTLOG-PER)

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd)	GAIN TIMES ¹	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	10.40	10.96	43	1.4	74.7
4	1	13.71	24.50	75	4.2	149.5
6	1	15.62	34.47	119	7.0	224.2
8	1	16.95	49.54	152	9.8	299.0
12	1	18.78	75.51	248	15.4	448.4

1 - 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

Antenna log-periodica a 7 elementi in alluminio verniciato a polvere.
 Irradiazione direttiva con lobi posteriori ridotti.
 Adatta per sistemi collineari e per diagrammi d'irradiazione complessi.
 Banda larga 174 ÷ 230 MHz.

Log-periodic antenna 7 elements in powder-painted aluminium.

Directional radiation pattern with reduced back-lobes.

Suitable for stacked array and complex irradiation pattern antenna systems.

Broadband 174 ÷ 230 MHz.

