

ELECTRICAL DATA

WORKING BAND: 47÷88 MHz

BANDWIDTH: approx 3MHz

GAIN: 7 dBd (9.2 dBi)

VSWR: ≤ 1.2:1 (-20.8 dB)

POLARIZATION: Horizontal (or Vertical)

IMPEDANCE: 50 Ohm unbalanced

HALPOWER BEAMWIDTH:

E-Plane - 60°

H-Plane - 90°

POLARIZATION: Horizontal (or Vertical)

LIGHTNING PROTECTION: all metal parts DC grounded

AVAILABLE VERSION AND CODE:

AST03x1335 - N female connector - 600W

AST03x1336 - DIN 7/16 female connector - 1400W

AST03x1337 - EIA 7/8" flange - 2000W

AST03A133x - 47÷54 MHz

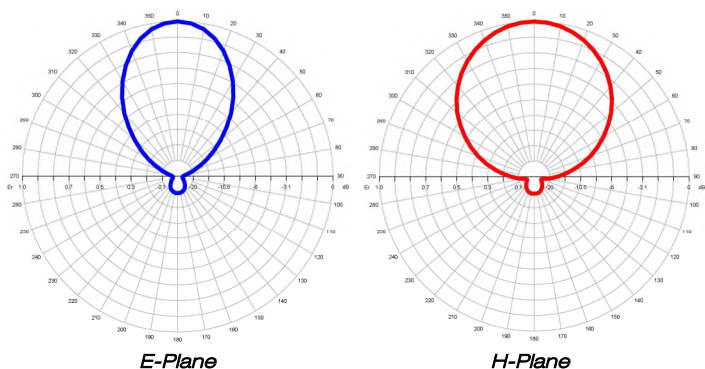
AST03B133x - 54÷61 MHz

AST03C133x - 61÷68 MHz

AST03D133x - 68÷75 MHz

AST03E133x - 75÷82 MHz

AST03F133x - 82÷89 MHz



Antenna yagi 3 elementi sintonizzata
Irradiazione direttiva
Smontabile

*Yagi 3 elements tuned antenna
Directional radiation pattern
Demountable*

MECHANICAL DATA

MATERIALS: mounting bracket and bolts in hot dip galvanized steel, stainless steel elements, teflon isolators, silicon O-Rings, aluminum components

MOUNTING: directly on supporting structure

MOUNTING BRACKET: included for Ø 50÷114mm. pipe

ICING PROTECTION: optional radome (code XRAST35)

TREATMENTS: hot dip galvanized bracket, aluminium components military grade treated MIL-C-5541

ANTENNA DIMENSIONS: 2040x2520x150 mm

WEIGHT: 12 Kg

WIND SURFACE: 0.06 m² front - 0.21 m² side

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

13.00 Kg front - 17.44 Kg side

SURVIVAL WIND: 180Km/h

PACKING DIMENSIONS:

box: 2150x200x150 mm - 17Kg gross

SPECIAL FEATURES:

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

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd)	GAIN TIMES	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	10.0	10.00	43	6.3	34.9
4	1	13.0	19.95	75	14.3	69.8
6	1	14.8	30.20	113	22.3	104.6
8	1	16.0	39.81	138	30.3	139.5
12	1	17.8	60.26	216	44.3	209.3

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

