

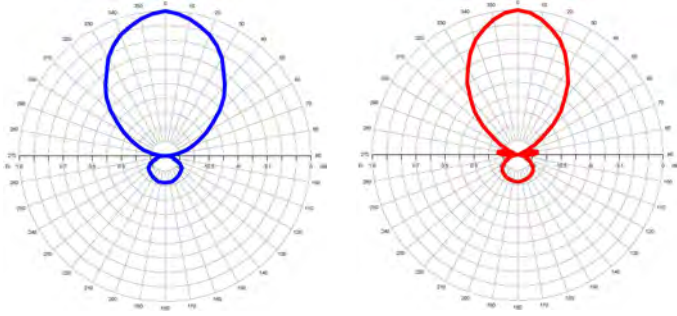
ELECTRICAL DATA

WORKING BAND: 47÷88 MHz
BANDWIDTH: 1 channel
GAIN: 7.5 dBd (9.7 dBi)
VSWR: ≤ 1.2:1 (-20.8 dB)
POLARIZATION: Horizontal
IMPEDANCE: 50 Ohm balanced
HALF POWER BEAMWIDTH:
E-Plane - 69° / H-Plane - 57°

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

AVAILABLE VERSIONS AND CODE:

ABP0201420/2C - 2xEIA 7/8" flange - 2x6KW - 47÷54 MHz
ABP0201420/2F - 2xEIA 7/8" flange - 2x6KW - 54÷61 MHz
ABP0201420/3F - 2xEIA 7/8" flange - 2x6KW - 60÷68 MHz
ABP0201420/4F - 2xEIA 7/8" flange - 2x6KW - 66÷72 MHz
ABP0201420/5F - 2xEIA 7/8" flange - 2x6KW - 76÷82 MHz
ABP0201420/6F - 2xEIA 7/8" flange - 2x6KW - 82÷88 MHz



E-Plane

H-Plane

MECHANICAL DATA

MATERIALS: Reflecting grids and bolts in hot dip galvanized steel, stainless steel dipoles, teflon isolators, silicon O-Rings, aluminum internal line

MOUNTING: directly on supporting structure

MOUNTING BRACKETS:

optional (code XZADP) for Ø 60÷114mm. pipe

ICING PROTECTION:

optional fiberglass radome (code XRABP)

TREATMENTS:

hot dip galvanized grids, silver-plated internal lines

ANTENNA DIMENSIONS:

single reflecting grid: 2000x740 to 3350x1310 mm
single dipole: 1500x800 to 2500x1400 mm

WEIGHT: 90 Kg

WIND SURFACE: 1.54 m² front - 0.56 m² side

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

265.40 Kg front - 54.80 Kg side

SURVIVAL WIND: 220Km/h

PACKING DIMENSIONS:

wooden cage (ISMP-15): 2500x1400x600 mm - 150Kg gross

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd)	GAIN TIMES ¹	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	10.5	11.22	380	10	530.8
4	1	13.4	21.88	740	20	1062
6	1	15.2	33.11	1120	30	1592
8	1	16.4	53.65	1480	40	2124
12	1	18.1	64.57	2240	60	3184
1	2	5.1	3.24	200	5	320.2
2	2	8.1	6.46	740	10	640.4
4	2	11.0	12.59	1480	20	1281
6	2	12.7	18.62	2240	30	1921
8	2	14.0	25.12	2960	40	2562
12	2	15.7	37.15	4480	60	3842
1	3	3.4	2.19	560	5	375
2	3	6.3	4.27	1120	10	750
4	3	9.3	8.51	2220	20	1500
6	3	11.0	12.59	3360	30	2250
8	3	12.3	16.92	4440	40	3000
12	3	14.0	25.12	5200	60	4500
1	4	2.0	1.59	400	5	375
2	4	5.0	3.16	1480	10	750
4	4	8.0	6.31	2960	20	1500
6	4	9.7	9.33	4480	30	2250
8	4	11.0	12.59	5920	40	3000
12	4	12.7	18.62	8960	60	4500

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

Antenna a pannello doppio dipolo.
Riflettori in acciaio zincato a caldo e dipoli in acciaio inox.
Irradiazione direttiva
Adatta per accoppiamenti a 90°

*Panel antenna with double dipole.
Reflecting grids in hot dip galvanized steel and dipoles in st. steel.
Directional pattern
Suitable for 90° coupling*

