

## BIII Vertical Polarization - Light Construction - Detachable - Minimal Tower Space - High Gain

### ELECTRICAL DATA

Frequency range	174 – 240 MHz	
Gain average	7.03 dBd	
3 dB Beam Width	Horizontal: 61° - Vertical: 69.3°	
Front to Back Ratio	20.0 dB	
Impedance	50 Ω	
VSWR	< 1.15:1 Broad Band	
Polarization	Vertical	
Maximum Power Rating	2 KW	3.5 KW
Connector	DIN 7/16	EIA 7/8"
Lighting Protection	DC Grounded	

### MECHANICAL DATA

Dimensions (A x B x C)	1200 x 1200 x 440 mm	
Weight	16 Kg	
Maximum Wind Speed	190 Km/h	
Wind Load	24 Kg @ 160 Km/h (side) 46 Kg @ 160 Km/h (front)	
Materials	Dipole in Stainless Steel Inner Line Silver Plated Reflector in Hot Dip Galvanized	
Mounting	Mast Ø to 60 - 114 mm	
Vertical Spacing	0.9 λ (1300 mm)	
Temperature Range / Humidity	-20°C to 60° C	100%

### ARRAY DATA

Number of Bays	Number Anten. per Bay	Gain (dBd)	System Height (mm)
1	2	4.03	1200
	3	2.23	
	4	1.03	
2	2	7.03	2500
	3	5.23	
	4	4.03	
4	2	10.03	5100
	3	8.23	
	4	7.03	
6	2	11.83	7700
	3	10.03	
	4	8.83	
8	2	13.03	10300
	3	11.23	
	4	10.03	

