

Band III 4 dipoles horizontal polarization panel • Especially suitable for triangular masts

### Electrical Specifications

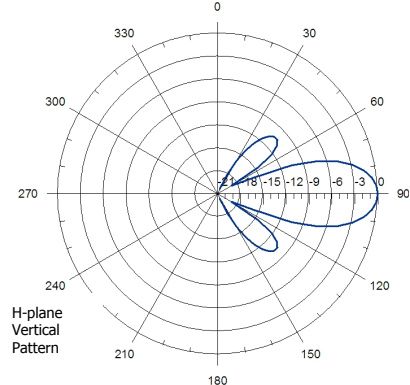
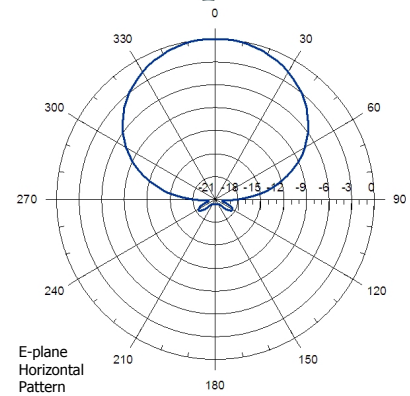
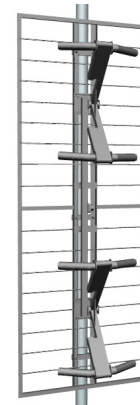
Frequency range	174-230 MHz		
Peak gain	10 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	E-plane: 78°	H-plane: 26°	
Polarization	Horizontal		
Impedance	50 Ohm		
VSWR	≤1.1:1		
Maximum power handling peak sync	2 kW	3.5 kW	6 kW
Maximum power handling RMS	1.4 kW	2.5 kW	4.2 kW
Connector type	DIN 7/16	EIA 7/8"	DIN 13/30
Pressurization	Non pressurized	Gas barrier on input connector	

### Mechanical & Environmental Specifications

Materials	Reflector & dipoles Feed points radome	Hot dip galvanized steel Fiberglass
Dimensions (W x D x H)	1000 x 530 x 2900 mm	
Maximum wind speed	200 km/h	
Wind load (front)	1465 N (@160 km/h)	
Wind load (lateral)	976 N (@160 km/h)	
Weight	65 kg	
Typical mounting	Triangular arrangement tower	
Clamp type	To Ø 80 – 115 mm pipe	
Vertical spacing	3200 mm	
Grounding	DC grounded	
Temperature range	-40°C to +80°C	
Humidity	100%	

### Antenna System Characteristics

Number of Bays	Number ant. per bay	Peak gain (dBd)	Weight (kg)	Wind load (@160 km/h)	System height (mm)
1	2	7.0	130	3.2 kN	2900
2	3	5.2	195	4.6 kN	2900
4	2	10.0	260	6.3 kN	6100
6	3	8.2	390	9.2 kN	6100
8	2	13.0	520	12.6 kN	12500
6	3	11.3	780	18.5 kN	12500
8	2	14.8	780	18.9 kN	18900
6	3	13.0	1170	27.7 kN	18900
8	2	16.0	1040	25.2 kN	25300
6	3	14.3	1560	37.0 kN	25300



**NOTES:**

- Table supplies data up to 8 bays only for simplification purposes; systems with more bays are available.
- Null fill, beam tilt, harness & feeder losses NOT INCLUDED.
- Wind load & weight figures without considering cables, splitters & hardware

TV VHF