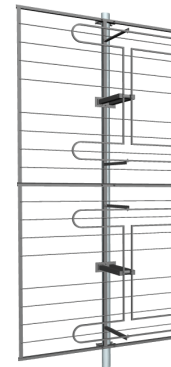


Band III 4 dipoles horizontal polarization panel • Especially suitable for square masts
Light construction

Electrical Specifications

Frequency range	174-230 MHz	
Peak gain	10.5 dB (ref. $\lambda/2$ dipole)	
3 dB beam width	E-plane: 66°	H-plane: 30°
Polarization	Horizontal	
Impedance	50 Ohm	
VSWR	≤1.15:1	
Maximum power handling peak sync	2 kW	
Maximum power handling RMS	1.4 kW	
Connector type	DIN 7/16	
Pressurization	Non pressurized	

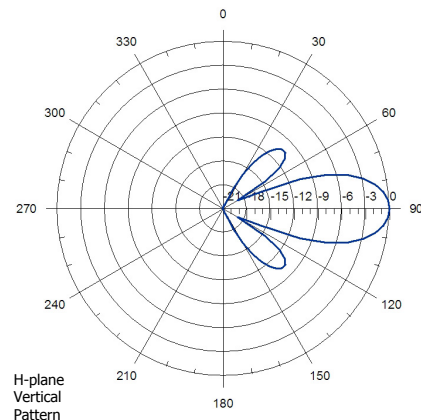
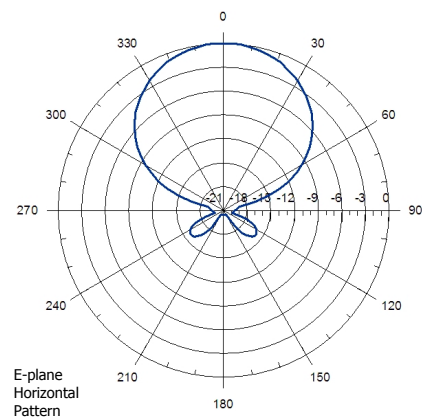


Mechanical & Environmental Specifications

Materials	Reflector & dipoles	Hot dip galvanized steel (aluminium construction as option)
	Isolators	PTFE
Dimensions (W x D x H)	1200 x 440 x 2700 mm	
Maximum wind speed	200 km/h	
Wind load (front)	915 N (@160 km/h)	
Wind load (lateral)	505 N (@160 km/h)	
Weight	33 Kg	
Typical mounting	Square arrangement tower	
Clamp type	To Ø 50 – 70 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	8.5	66	1.4 kN	2700
	3	6.7	99	1.9 kN	
	4	5.5	132	2.4 kN	
2	2	11.5	132	2.8 kN	5900
	3	9.7	198	3.9 kN	
	4	8.5	264	4.8 kN	
4	2	14.5	264	5.7 kN	12300
	3	12.7	396	7.7 kN	
	4	11.5	528	9.5 kN	
6	2	16.3	396	8.5 kN	18700
	3	14.5	594	11.6 kN	
	4	13.3	792	14.3 kN	
8	2	17.5	528	11.4 kN	25100
	3	15.7	792	15.4 kN	
	4	14.5	1056	19.1 kN	



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.