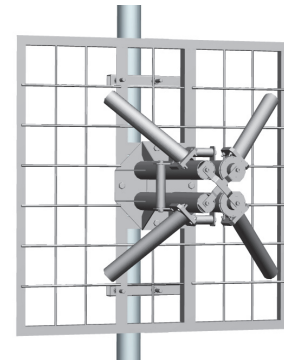


Band III 2 crossed dipoles circular/elliptical polarization panel • Especially suitable for triangular masts

Electrical Specifications

Frequency range	174 – 216 MHz		
Peak gain	4.2 dB (ref. $\lambda/2$ dipole) (circular polarization)		
3 dB beam width	E-plane: 85°	H-plane: 85°	
Polarization	Circular/Elliptical		
Impedance	50 Ohm		
VSWR	≤1.1:1 (with circular polarization)		
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 (2 per antenna)	2 x DIN 7/16	2 x EIA 7/8"	2 x DIN 13/30
Pressurization	Non pressurized	Gas barrier on input connector	



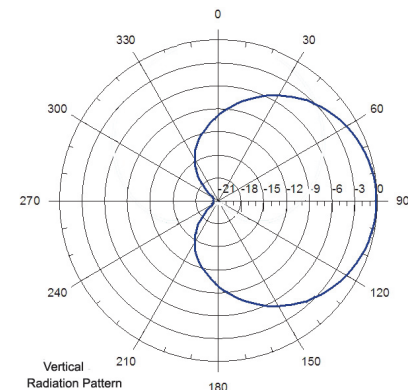
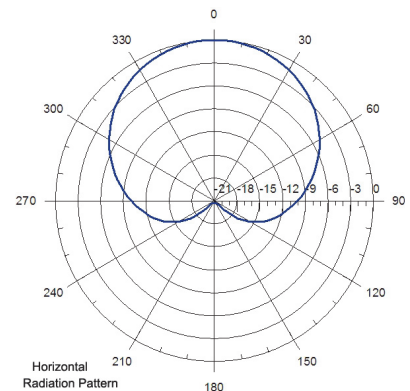
Mechanical & Environmental Specifications

Materials	Hot dip galvanized steel
Dimensions (W x D x H)	960 x 602 x 960 mm
Maximum wind speed	200 km/h
Wind load (front)	610 N (@160 km/h)
Wind load (lateral)	473 N (@160 km/h)
Weight	35 kg
Typical mounting	Triangular arrangement tower
Clamp type	To Ø 80 – 115 mm pipe
Vertical spacing	1300 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	1.8	70	1.3 kN	960
	3	0.1	105	2.0 kN	960
2	2	4.8	140	2.6 kN	2260
	3	3.1	210	4.1 kN	2260
4	2	7.8	280	5.3 kN	4860
	3	6.1	420	8.2 kN	4860
6	2	9.6	420	7.9 kN	7460
	3	7.8	630	12.2 kN	7460
8	2	10.8	560	10.6 kN	10060
	3	9.1	840	16.3 kN	10060

The above specified gain must be understood for circular polarization



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.