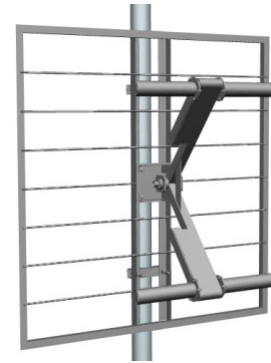


Band III 2 dipoles horizontal polarization panel • Especially suitable for square masts

Electrical Specifications

Frequency range	174-230 MHz		
Peak gain	7.5 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	E-plane: 69°	H-plane: 59°	
Polarization	Horizontal		
Impedance	50 Ohm		
VSWR	$\leq 1.15:1$		
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	

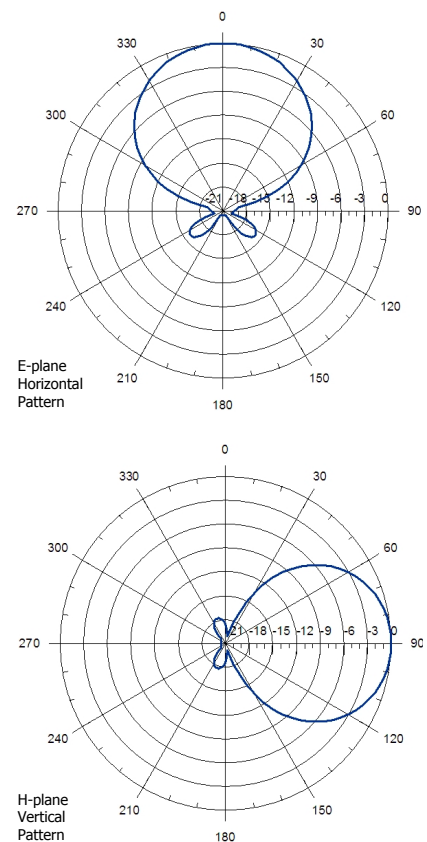


Mechanical & Environmental Specifications

Materials	Reflector & dipoles Feed points radome	Hot dip galvanized steel Fiberglass
Dimensions (W x D x H)	1250 x 500 x 1300 mm	
Maximum wind speed	200 km/h	
Wind load (front)	793 N (@160 km/h)	
Wind load (lateral)	392 N (@160 km/h)	
Weight	38 Kg	
Typical mounting	Square arrangement tower	
Clamp type	To \varnothing 80 – 115 mm pipe	
Vertical spacing	1600 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	5.5	76	1.2 kN	1300
	3	3.7	114	1.6 kN	
	4	2.5	152	2.0 kN	
2	2	8.5	152	2.4 kN	2900
	3	6.7	228	3.2 kN	
4	4	5.5	304	3.9 kN	6100
	2	11.5	304	4.7 kN	
	3	9.7	456	6.3 kN	
6	4	8.5	608	7.9 kN	9300
	2	13.3	456	7.1 kN	
	3	11.5	684	9.5 kN	
8	4	10.3	912	11.8 kN	12500
	2	14.5	608	9.5 kN	
	3	12.7	912	12.6 kN	
	4	11.5	1216	15.8 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

TV VHF