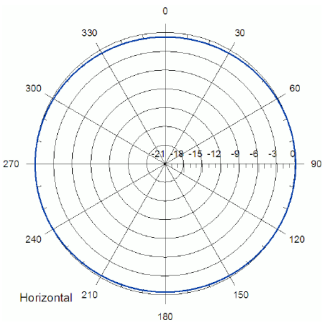
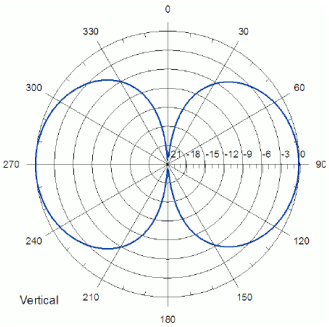
Cyclone - Circular Radiation Pattern

RADIO FM







Electrical Specifications

Frequency Range	**87.5 -108 MHz (Factory Tuned Upon Request)**
Gain	**2.15 dBi**
3dB beam width	**Horizontal: 360ª / Vertical: 86ª**
Polarization	**Circular**
Impedance	**50 Ohm**
VSWR	**≤ 1.1:1 ± 160 KHz**
Bandwidth	**500 KHz**
Maximum power handling	**600 W (1 KW 7/16 connector)**
Connector Type	**N (optional 7/16)**
Pressurization	**Non pressurized**

Mechanical & Environmental Specifications

Materials	**Stainless Steel**
Dimensions (W x D x H)	**500 x 500 x 750 mm**
Maximum wind speed	**200 km/h**
Wind load	**200 N (@160 km/h)**
Weight	**3.5 kg**
Clamp Type	**To Ø 25-75 mm pipe**
Vertical Spacing	**0.8 - 0.9 typical**
Grounding	**DC grounded**
Temperature range	**-40ºC 70 80ºC**
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	**1**	**0.2**	**5**	**0.2 kN**	**750**
2	**1**	**3.2**	**10**	**0.4 kN**	**3450**
4	**1**	**6.2**	**20**	**0.8 kN**	**8850**
6	**1**	**8.0**	**30**	**1.2 kN**	**14250**
8	**1**	**9.2**	**40**	**1.6 kN**	**19650**

Note: Radiation patterns and gain values at the table are including the effect of supporting pole.
Null fill, beam tilt, harness & feeder losses NOT INCLUDED.
Wind load & weight figures without considering cables, splitters & hardware.
Specially suited for individual use or in a medium power antenna system.

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