



ANTENNA EXPERTS

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Model # FMY-98

88 – 108 MHz.

10 dBi Gain

FM BAND LINEAR POLARIZED DIRECTIONAL YAGI ANTENNA

DESIGN FEATURES: Antenna Experts FM Band Yagi antenna design reflects innovative modern antenna construction. Special mounting hardware permits to mount the FM yagi antenna either Horizontal or Vertical polarization. Radiating elements, supporting booms and adjoining metal castings of FM Yagi Antenna have been constructed in high quality ultra corrosion resistant architectural aluminum alloys to prevent corrosion.

CONSTRUCTIONS: The FM Yagi Antenna is supplied with N-Female termination fixed on the Driven Element. This FM Yagi directional Antenna, comes factory tuned and does not require any field adjustment. The FM yagi antenna when packed comes with elements removed from the antenna boom for ease of packing and transportation. This FM yagi antenna can be assembled at site with simple hand- tools.

MOUNTING: Antenna is supplied with marine grade stainless steel mounting hardware which is suitable for mounting the antenna on 32mm to 52 mm (1.25 Inches to 2 Inches) outer diameter pipe.

ELECTRICAL SPECIFICATIONS:

Frequency Range	88 - 108 MHz.
Gain @ Low Band	7.5 dBi.
Gain @ Mid Band	10 dBi.
Gain @ High Band	7.5 dBi.
Bandwidth	Entire Band
Polarization	Vertical or Horizontal
Input Impedance	50 Ohms
Radiation Pattern	Directional
Beamwidth –Half Power Points.	60 +/-3 Degrees
Front to Back Ratio	16 +/-1 dB.
VSWR	2:1
RF Power Handling Capacity	100 Watts
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Materials	All Aluminum
Mounting Hardware -Materials	Stainless Steel
Weight Approx	5 Kgs.
Wind Rating	180 Km/Hrs.
Overall Length	2.4 Meters
Shipping Length	2.5 Meters
Support Boom – Materials – Outer Diameter	6063T6 Aluminum – 25mm
Elements – Materials - Outer Diameter.	6063T6 Aluminum – 19mm
Maximum Mount Pipe Diameter	52mm (2 Inches)

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-) 30 to + 70 Degrees
Storage Temperature	(-) 40 to + 80 Degrees
Humidity	0 to 95 % RH

Note: All information contained in the datasheet is subject to change without any prior notice.