

Marathon Yagi Antenas, 800/900 MHz Series

PCTEL's Bluewave Marathon 800 MHz yagi series is engineered to meet the requirements of a high gain, broadband, premium quality antenna. The Bluewave yagi series is manufactured using high strength 6061-T6 aluminum to withstand heavy ice, high wind and other harsh conditions. All elements are welded to the boom and the dipole design has an integral feed line welded to the boom for extra strength and electrical conductivity. This eliminates misalignment or fastener problems. The entire antenna is anodized for appearance and corrosion resistance. A heavy duty clamp is supplied which easily permits horizontal or vertical polarization.

Features

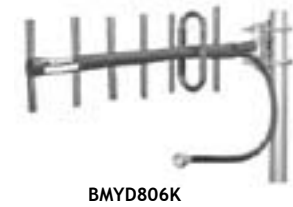
- Elements and boom are manufactured from aircraft quality 6061-T6 aluminum for optimum strength
- Antenna is anodized for corrosion resistance
- Antenna is supplied with a 2' pigtail (RG213) and N female connector

RF/Electrical Specifications

Model	Frequency Range	-3 dB Horizontal Beamwidth	-3 dB Vertical Beamwidth	Front to Back Ratio	Nominal Gain
BMXD806G	806-896 MHz	100°	62°	15 dB	6.5 dBd
BMXD806K	806-896 MHz	60°	46°	20 dB	10 dBd
BMXD806M	806-896 MHz	44°	38°	20 dB	12 dBd
BMXD806O	806-896 MHz	36°	30°	25 dB	14 dBd
BMXD890G	890-960 MHz	100°	62°	15 dB	6.5 dBd
BMXD890K	890-960 MHz	56°	46°	20 dB	10 dBd
BMXD890M	890-960 MHz	40°	34°	20 dB	12 dBd
BMXD890O	890-960 MHz	32°	26°	25 dB	14 dBd

Mechanical Specifications

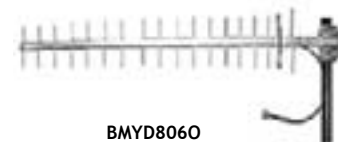
Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity	Elements
BMXD806G	12" x 6.5"	1.5 lbs (0.7 kg)	0.09 sq ft	2.78 lbs	125 mph	3
BMXD806K	24" x 6.5"	2 lbs (0.9 kg)	0.20 sq ft	6.39 lbs	125 mph	7
BMXD806M	24" x 6.5"	2.1 lbs (1.0 kg)	0.20 sq ft	6.39 lbs	125 mph	11
BMXD806O	60" x 7.25"	3.3 lbs (1.5 kg)	0.59 sq ft	22.7 lbs	125 mph	18
BMXD890G	12" x 6.8"	2.0 lbs (0.9 kg)	0.08 sq ft	2.4 lbs	125 mph	3
BMXD890K	23.75" x 6.8"	6.8 lbs (3.1 kg)	0.19 sq ft	7.5 lbs	125 mph	7
BMXD890M	36" x 6.8"	2.5 lbs (1.1 kg)	0.31 sq ft	11.9 lbs	125 mph	11
BMXD890O	63" x 6.6"	3.6 lbs (1.6 kg)	0.53 sq ft	20.2 lbs	125 mph	18



BMXD806K



BMXD806M



BMXD806O



BMXD806G



BWC1001(A) mount

Technical Data

Maximum Power: 200 watts
Nominal Impedance: 50 ohms
Radiator Material: Aluminum 6061-T6
Cable Type: 2 ft RG213
Connector Type: N Female
Mounting Method: Includes mounting hardware BWC1001

* Dimension does not include antenna cable.

