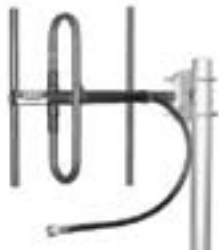


Marathon Yagi Antennas, 400 MHz Series



BMXD450G



BWC1001(A)

PCTEL's Bluewave Marathon 400 MHz frequency 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
BMXD403G	403-430 MHz	104°	62°	15 dB	6.5 dBd
BMXD403K	403-430 MHz	52°	46°	20 dB	10 dBd
BMXD403M	403-430 MHz	44°	39°	20 dB	12 dBd
BMXD450G	450-470 MHz	104°	65°	15 dB	6.5 dBd
BMXD450K	450-470 MHz	50°	45°	20 dB	10 dBd

Technical Data

Maximum Power: 250 watts
Nominal Impedance: 50 ohms
Radiator Material: Aluminum 6061-T6
Connector Type: N Female
Mounting Method (included): BWC1001 (for BMXD403G, BMXD403K and BMXD450G models) BWC1001A (for BMXD450G and BMXD450K models)

Mechanical Specifications

Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity	Elements	Cable Type
BMXD403G	18" x 13.9"	2 lbs (0.9 kg)	0.19 sq ft	6.23 lbs	125 mph	3	RG213
BMXD403M	72" x 14.4"	4 lbs (1.8 kg)	0.84 sq ft	32.3 lbs	100 mph	11	RG213
BMXD403K	44" x 14.4"	3.5 lbs (1.6 kg)	0.48 sq ft	18.41 lbs	100 mph	7	RG213
BMXD450G	18" x 12.9"	2 lbs (0.9 kg)	0.18 sq ft	5.85 lbs	125 mph	3	RG213
BMXD450K	42" x 11.8"	3 lbs (1.4 kg)	0.46 sq ft	11.5 lbs	150 mph	7	RG213



* Dimension does not include antenna cable.