Yagi Antennas, 403-430 MHz, 6.5 dBd Gain

The BMYD403G has been engineered to meet the requirements of a high gain, broadband, premium quality antenna. This antenna provides 6.5 dBd gain and operates in the 403-430 MHz range. The BMYD403G 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.

BMYD403G antenna (top) and BWC1001 mount (inset)

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

Antenna Electrical Specifications

Model	Frequency Range	-3 dB Horizonal Beamwidth	-3 dB Vertical Beamwidth	Front to Back Ratio	Nominal Gain
BMYD403G	403-430 MHz	104°	62°	15 dB	6.5 dBd

Technical Data

Maximum Power: 250 watts
Nominal Impedance: 50 ohms
VSWR: < 1.5:1 Nominal < 1.7:1 Maximum
Radiator Material: Aluminum 6061-T6
Mounting Method: Includes mounting hardware BWC1001

Mechanical Specifications

Model	Dimensions (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity**
BMYD403G	18” x 18.8”	2 lbs	0.23 ft^2	5.75 lbs	125 mph

Model	Elements	Cable Type	Cable Length	Connector Type
BMYD403G	3	RG213	2 ft	N Female

*** Dimension does not include antenna cable**

****120 mph with 1/2” radial ice**