Yagi Antennas, 745-806 MHz, 10 dBd Gain

The BMYD745K series has been engineered to meet the requirements of a high gain, broadband, premium quality antenna. This antenna provides 10 dBd gain and operates in the 745-806 MHz range. The BMYD745K 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.

BMYD745K 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
BMYD745K	745-806 MHz	56°	47°	20 dB	10 dBd

Technical Data

Maximum Power: 200 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

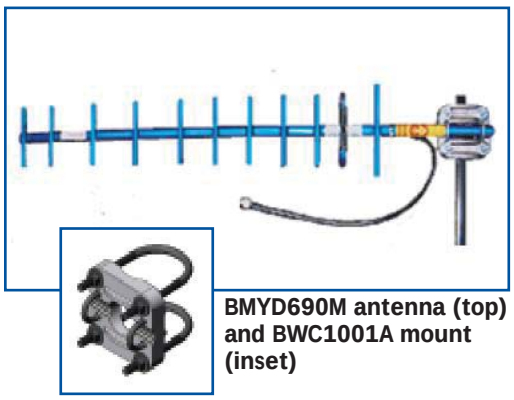
Mechanical Specifications

Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity**
BMYD745K	26” x 7.5”	2.2 lbs	0.28 ft^2	7 lbs	150 mph

Model	Elements	Cable Type	Cable Length	Connector Type
BMYD745K	7	RG213	2 ft	N female

*** Dimension does not include antenna cable**

****120 mph with 1/2” radial ice**



BMYD690M antenna (top) and BWC1001A mount (inset)

Yagi Antennas, 690-746 MHz, 12 dBd Gain

The BMYD690M has been engineered to meet the requirements of a high gain, broadband, premium quality antenna. This antenna provides 12 dBd gain and operates in the 690-746 MHz range. The BMYD690M 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. The BMYD690M is available with a variety of connector and cable options.

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

Technical Data

Maximum Power: 200 watts
Nominal Impedance: 50 ohms
VSWR: < 1.5:1 Nominal < 1.7:1 Maximum
Radiator Material: Aluminum 6061-T6
Mounting Method: Includes mounting hardware BWC1001A

Antenna Electrical Specifications

Model	Frequency Range	-3 dB Horizonal Beamwidth	-3 dB Vertical Beamwidth	Front to Back Ratio	Nominal Gain
BMYD690M	690-746 MHz	44°	38°	20 dB	12 dBd

Mechanical Specifications

Model	Dimensions (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity**
BMYD690M	42" x 8.5"	9 lbs	0.48 ft^2	9.5 lbs	150 mph

Model	Elements	Cable Type	Cable Length	Connector Type
BMYD690M	11	RG213	2 ft	N female

*** Dimension does not include antenna cable**

****120 mph with 1/2" radial ice**