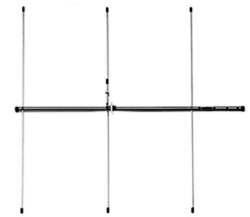


Aluminum Yagi Antennas

PCTEL's MYA UHF yagis are unsurpassed in their price to performance ratio. All models feature rugged 6061-T6 seamless aluminum construction, stainless steel hardware, and through boom mounting of all elements for years of reliable service. Elements are DC grounded to the boom. Select models are available in black finish. These antennas are UPS shippable.

Features

- Stainless steel hardware
- Available field tunable (add suffix "K") or factory tuned
- Field tunable (FT) version has telescoping elements with stainless steel lock clamps for easy adjustment
- Stacking harness available for phasing two or more antennas Black finish available on select models
- 3 element yagi boom available with 7/8" double wall (add suffix "HD")
- 6 element yagi boom is a 2 piece assembly
- Heavy-duty, double-walled aluminum boom
- Black finish available on select models



MYA1503K

Technical Data

Maximum Power: 300 watts (UHF series) 250 watts (VHF series) 1000 watts (lowband series)
Nominal Impedance: 50 ohms
Radiator Material: 3/8" solid 6061-T6 aluminum
ESD Protection: DC grounded
Wind Survival: 100 mph, 125 mph (MYA43012 only)
Termination: SO239 standard, N female is optional

RF/Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain	Bandwidth @ 1.5:1 VSWR	Horizontal Beamwidth @ ½ Power	Vertical Beamwidth @ ½ Power	Front-to-Back Ratio
MYA723K	66-88 MHz		9.2 dBi	.7/1.7 MHz	72°	57°	15 dB
MYA1503K(N)*	150-174 MHz	Specify frequency when ordering or add suffix "K" for field or factory tuned option. Add suffix "FT" for telescopic elements option	9.2 dBi	0.7 MHz	72°	57°	17 dB
MYA1506K	150-174		12.3 dBi	1.5 MHz	42°	40°	20 dB
MYA45012	450-470 MHz	460 MHz	14.3 dBi	20 MHz	36°	34°	25 dB
MYA4503(N)	450-470 MHz	460 MHz	9.2 dBi	20 MHz	72°	57°	17 dB
MYA4505(N)	450-470 MHz	460 MHz	11.3 dBi	20 MHz	56°	48°	20 dB
MYA4506N	450-470 MHz	460 MHz	12.3 dBi	20 MHz	42°	40°	20 dB
MYA8063	806-866 MHz	813 MHz	8.1 dBi	60 MHz	72°	57°	15 dB
MYA8066	806-866 MHz	813 MHz	11.1 dBi	60 MHz	42°	40°	16 dB
MYA9153	896-940 MHz	915 MHz	8.1 dBi	75 MHz	72°	57°	15 dB
MYA93012	896-970 MHz	930 MHz	13.1 dBi	75 MHz	40°	42°	20 dB
MYA9303	896-970 MHz	930 MHz	8.1 dBi	50 MHz	72°	57°	15 dB
MYA9306	896-970 MHz	930 MHz	11.1 dBi	75 MHz	48°	56°	20 dB

Mechanical Specifications

Model	Weight (Mass)	Elements	Bending Moment @ 100 mph	Lateral Thrust @ 100 mph	Equivalent Flat Plate Area	Height	Boom Diameter
MYA723K(N)	7.0 lbs (3.2 kg)	3	238.8 ft-lbs	60.35 lbs	1.26 sq ft	95"	1-1/2" (double walled)
MYA1503K(N)	3.0 lbs (1.4 kg)	3	39.51 ft-lbs	22.1 lbs	.36 sq ft	41.25"	7/8"
MYA1506K	2.6 lbs (1.2 kg)	6	160.6 ft-lbs	37.1 lbs	.96 sq ft	105.875"	1-1/4"
MYA45012	5.0 lbs (2.3 kg)	12	93.33 ft-lbs	33.76 lbs	.62 sq ft	71.875"	1-1/4"
MYA4503(N)	1.5 lbs (0.7 kg)	3	7.43 ft-lbs	7.98 lbs	.15 sq ft	22"	7/8"
MYA4505(N)	2.0 lbs (0.9 kg)	5	17.37 ft-lbs	12.35 lbs	.23 sq ft	32.5"	7/8"
MYA4506N	2.5 lbs (1.1 kg)	6	26.2 ft-lbs	15.4 lbs	.29 sq ft	41.25"	7/8"
MYA8063	0.7 lbs (0.3 kg)	3	2.94 ft-lbs	4.29 lbs	.10 sq ft	16.875"	7/8"
MYA8066	1.0 lbs (0.5 kg)	6	9.46 ft-lbs	8.75 lbs	.17 sq ft	27"	7/8"
MYA9153	0.7 lbs (0.3 kg)	3	2.80 ft-lbs	4.13 lbs	.09 sq ft	16.875"	7/8"
MYA93012	1.7 lbs (0.8 kg)	12	31.02 ft-lbs	16.1 lbs	.27 sq ft	47.875"	7/8"
MYA9303	0.7 lbs (0.3 kg)	3	2.80 ft-lbs	4.13 lbs	.09 sq ft	16.875"	7/8"
MYA9306	1.0 lbs (0.5 kg)	6	9.08 ft-lbs	8.43 lbs	.16 sq ft	27"	7/8"



* Must specify frequency when ordering. Suffix "N" indicates "N" connector. Add suffix "K" for field or factory tuned option.