

GOLD ANODIZED YAGI ANTENNA INSURES LONG-TERM PERFORMANCE

Laird's premium series Directional Yagi antennas are fully gold anodized for corrosion resistance. Our engineering staff has also optimized the product family for forward gain by computer analysis and then field-tested each for conformance.

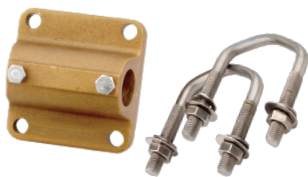
FEATURES

- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR.
- All Yagi antennas ship complete with a high quality cast aluminum mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during installation. (VHF models require light assembly)
- Available in gold or black (B) anodized finish

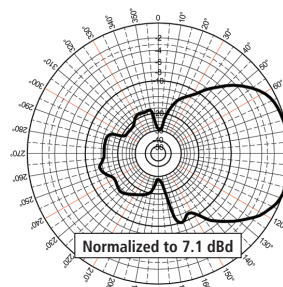
APPLICATIONS

- Point to point directional and multiple point to omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields and weather conditions and meter data transmissions for utilities.

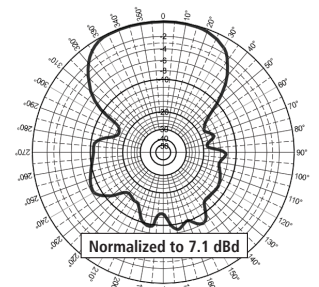
MECHANICAL SPECIFICATIONS		ELECTRICAL SPECIFICATIONS	
Material	Aluminum	Frequency Range	150 – 174 MHz
Length	41-1/2"	Frequency Bandwidth	3 MHz typical
Height	39-1/4"	VSWR	< 2:1
Boom Diameter	7/8"	Return Loss	-10dB max
Weight	4 lbs	Nominal Gain	7.1 dBd
Rated Wind Velocity	150 mph (241 kph)	Front to Back Ratio	17 dB
Rated Wind Velocity (with 0.5" radial ice)	80 mph (130 kph)	Maximum Power	300 W
Equivalent Flat Area	0.504 sq. ft.	Nominal Impedance	Ω50
Cable	None	Polarization	Vertical or Horizontal
Termination	N-Female connector	Pattern	Directional
Color	Gold or Black Anodized	Horizontal Beamwidth (For Horizontal Polarization)	78°
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)	Vertical Beamwidth (For Vertical Polarization)	74°
Mounting Included	Heavy duty cast aluminum bracket accomodates up to 7/8" mast	Tuning	See cutting chart
		Transmitting/Receiving	Both



**Heavy-Duty Mounting
Kit Included**



**Vertical-to-Vertical Polarization
Azimuthal Pattern (Y, Z, or E-plane)**



**Horizontal-to-Horizontal Polarization
Azimuthal Pattern (Y, Z, or H-plane)**

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