

Directional Yaqi Antenna

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

MARKETS

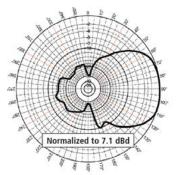
- Point to point directional and multiple point to omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields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

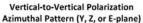


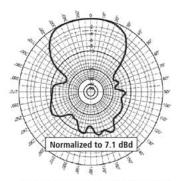
Heavy-Duty Mounting Kit Included

MECHANICAL SPECIFICATIONS		
Material	Aluminum	
Length	41-1/2"	
Height	39-1/4"	
Boom Diameter	7/8"	
Weight	4 lbs	
Rated Wind Velocity	150 mph (241 kph)	
Rated Wind Velocity (with 0.5" radial ice)	80 mph (130 kph)	
Equivalent Flat Area	0.504 sq. ft.	
Cable	None	
Termination	N-Female connector	
Color	Gold or Black Anodized	
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)	
Mounting Included	Heavy duty cast aluminum bracket accomodates up to 7/8" mast	

ELECTRICAL SPECIFIC	ATIONS
Frequency Range	150 - 174 MHz
Frequency Bandwidth	3 MHz typical
VSWR	< 2:1
Return Loss	-10dB max
Nominal Gain	7.1 dBd
Front to Back Ratio	17 dB
Maximum Power	300 W
Nominal Impedance	Ω50
Polarization	Vertical or Horizontal
Pattern	Directional
Horizontal Beamwidth (For Horizontal Polarization)	78°
Vertical Beamwidth (For Vertical Polarization)	74°
Tuning	See cutting chart
Transmitting/Receiving	Both







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

TE TECHNICAL SUPPORT CENTER

USA: +1 (800) 522-6752 +1 (905) 475-6222 Canada: Mexico: +52 (0) 55-1106-0800 Latin/S. America: +54 (0) 11-4733-2200 Germany: +49 (0) 6251-133-1999 +44 (0) 800-267666 UK: +33 (0) 1-3420-8686 France: Netherlands: +31 (0) 73-6246-999 China: +86 (0) 400-820-6015

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