

**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**

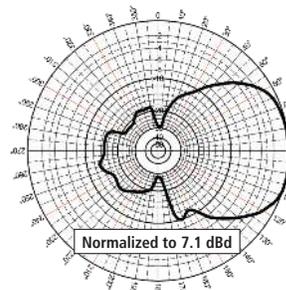
Material	Aluminum
Length	41-1/2"
Height	39-1/4"
Boom Diameter	7/8"
Weight	4 lbs
Rated Wind Velocity	150 mph (241 kph)
Rated Wind Velocity (with 0.5" radial ice)	80 mph (130 kph)
Equivalent Flat Area	0.504 sq. ft.
Cable	None
Termination	N-Female connector
Color	Gold or Black Anodized
Lightning Protection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

**ELECTRICAL SPECIFICATIONS**

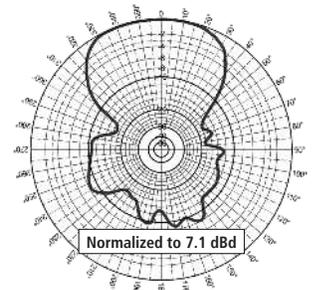
Frequency Range	150 – 174 MHz
Frequency Bandwidth	3 MHz typical
VSWR	< 2:1
Return Loss	-10dB max
Nominal Gain	7.1 dBd
Front to Back Ratio	17 dB
Maximum Power	300 W
Nominal Impedance	Ω50
Polarization	Vertical or Horizontal
Pattern	Directional
Horizontal Beamwidth (For Horizontal Polarization)	78°
Vertical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



**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)

Americas: +1.847.839.6907  
IAS-AmericasEastSales@lairdtech.com  
Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com  
Asia: +86.21.5855.0827.127  
IAS-AsiaSales@lairdtech.com  
**www.lairdtech.com**

ANT-DS-Y(B)1503 0115

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2009 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.