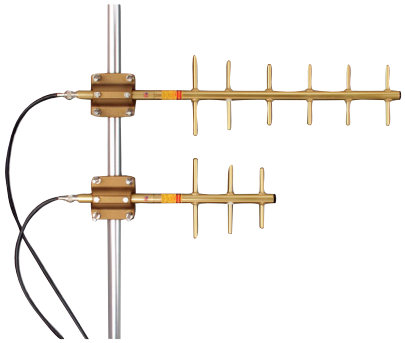
Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

DIRECTIONAL YAGI ANTENNAS

Y(B)8966



GOLD SERIES DIRECTIONAL YAGI ANTENNAS PROVIDE INDUSTRY-LEADING DESIGN FEATURES WITH LONG TERM OPTIMAL PERFORMANCE

Laird Technologies' premium series directional Yagi antennas are fully gold anodized for corrosion resistance. All UHF and above frequency antennas feature internal matching to assure broad bandwidth and resistance to severe weather conditions. There is no gamma match to ice up, corrode or detune. Our engineering staff has optimized the product family for forward gain by computer analysis and then field-tested each for conformance.

FEATURES AND BENEFITS:

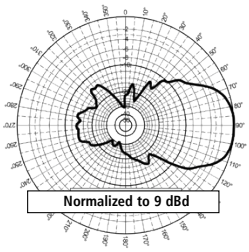
- All UHF and higher frequency antennas feature 360° welds around each element and an end-of-boom N connector feed with an internal transmission line feeding the driven element.
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR.
- All Yagi antennas ship complete with a high quality cast aluminum mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during installation (VHF models require light assembly).

APPLICATIONS:

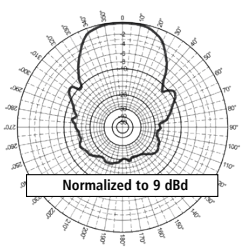
- Point-to-point and multi-point / omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields, weather conditions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

Electrical	
Frequency Range	896 – 970 MHz
Frequency Bandwidth	74 MHz
VSWR	< 2:1
Return Loss	-10 dB max
Nominal Gain	9 dBd
Front to Back Ratio	20 dBd
Maximum Power	300 W
Nominal Impedance	50 Ω
Polarization	Vertical or Horizontal
Pattern	Directional
Horizontal Beamwidth (For Horizontal Polarization)	56°
Vertical Beamwidth (For Vertical Polarization)	52°
Tuning	Fixed
Transmitting/Receiving	Both

Mechanical	
Material	Aluminum
Length	27.688"
Height	6.75"
Boom Diameter	.875"
Weight	3.9 lbs
Rated Wind Velocity	150 mph (241 kph)
Rated Wind Velocity (with 0.5" radial ice)	80 mph (130 kph)
Equivalent Flat Area	0.2492 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 accommodates up to 2-1/2" mast



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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