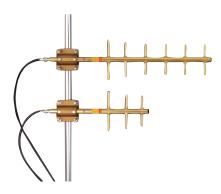


# DIRECTIONAL YAGI ANTENNAS Y(B)8966

Smart Technology. Delivered.



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

Laird 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:**

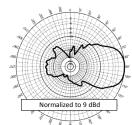
- All UHF and higher frequency antennas feature 360° Point-to-point and multi-point / omnidirectional welds around each element and an end-ofboom N connector feed with an internal transmission line feeding the driven element.
- Every Yagi is tuned on a network analyzer for best power match and lowest 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:**

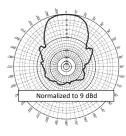
- outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields, weather conditions and, meter data transmissions for utilities.

Electrical		Me
Frequency Range	896 – 970 MHz	Mat
Frequency Bandwidth	74 MHz	Len
VSWR	< 2:1	Hei
Return Loss	-10 dB max	Boo
Nominal Gain	9 dBd	We
Front to Back Ratio	20 dBd	Rat
Maximum Power	300 W	Rate
Nominal Impedance	50 Ω	(wit
Polarization	Vertical or	Equ
	Horizontal	Cab
Pattern	Directional	Ter
Horizontal Beamwidth	56°	Colo
(For Horizontal Polarization)	50	
Vertical Beamwidth	52°	Ligh
(For Vertical Polarization)	52	
Tuning	Fixed	Mo
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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