

Laird Connectivity's Silver Series Yagi antennas represent great value while featuring the same great optimized design and plated brass connector found on premium gold series models. Each Yagi is factory tuned on a network analyzer for best power match and lowest VSWR, offering the best possible performance every time. All antennas ship complete with a mounting kit that includes stainless steel hardware.



FEATURES AND BENEFITS

- All radial elements are secured to the boom with stainless steel hardware to prevent corrosion
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR
- All antennas ship complete with a mounting kit that includes stainless steel hardware
- Comes fully assembled

APPLICATIONS

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

ELECTRICAL SPECIFICATIONS

Model Name	YS89612
Operating Frequency (MHz)	896-970
VSWR	< 2:1
Return Loss – max (dB)	-10
Gain (dBd)	6.0
Front-to-Back Ratio (dBd)	15
Max Power - Ambient 25°C (W)	300
Nominal Impedance (Ohms)	50
Polarization	Vertical
Pattern	Directional
Horizontal Plane 3 dB Beamwidth	89°
Vertical Plane 3 dB Beamwidth	65°
Tuning	Fixed
Transmitting/Receiving	Both
Gamma Match Type	Externally matched

MECHANICAL SPECIFICATIONS

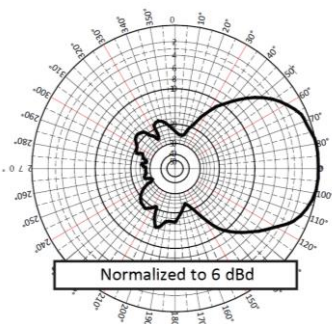
Dimensions – L x H – cm (inches)	42.55 x 18.42 (16-3/4 x 7-1/4)
Boom Diameter – cm (inches)	2.22 (7/8)
Weight – kg (lbs.)	0.79 (1.75)
Cable Type	N/A
Connector	N-female
Color	Bright dipped aluminum
Lightning Protection	Lightning arrestor – LABH350NN (sold separately)
Element Construction	Bolted
Bracket Included	Included
Mounting	Up to 1-5/8-inch diameter mast

ENVIRONMENTAL SPECIFICATIONS

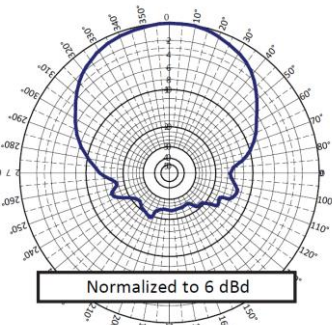
Operating Temperature – °C (°F)	-50 to +85°C (-58 to +185°F)
Rated Wind Velocity – km/hr (mph)	241 (150)
Equivalent Flat Area – sq. km (sq. ft.)	1.42 (0.1516)

CONFIGURATION

PART NUMBER	FREQUENCY RANGE	COLOR
YS89612	896-970 MHz	Silver



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



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

✓RoHS

Laird Connectivity warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird Connectivity product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

Any information furnished by Laird Connectivity 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 Connectivity materials rests with the end user, since Laird Connectivity and its agents cannot be aware of all potential uses. Laird Connectivity makes no warranties as to the fitness, merchantability or suitability of any Laird Connectivity materials or products for any specific or general uses. Laird Connectivity shall not be liable for incidental or consequential damages of any kind. All Laird Connectivity products are sold pursuant to the Laird Connectivity Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request.

© Copyright 2021 Laird Connectivity All Rights Reserved. Laird Connectivity, the Laird Connectivity logo, and other marks are trademarks or registered trademarks of Laird Connectivity 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 Connectivity or any third-party intellectual property rights.

sales@lairdconnect.com
support@lairdconnect.com
www.lairdconnect.com

