



### 6 ELEMENT DIRECTIONAL YAGI ANTENNA

Laird's directional gamma matched Yagi antennas are focused on economical and high performance. This UHF yagi series has a 12.2dBi antenna gain and operates on 406-430 MHz frequency range. It is manufactured using high strength 6061-T6 aluminum to withstand heavy ice, high wind and other harsh conditions.

#### 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)

#### APPLICATIONS

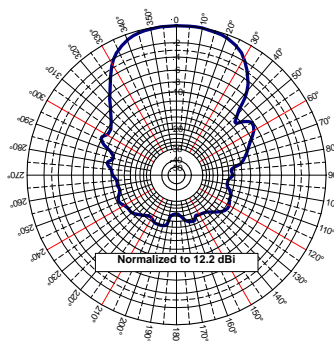
- Point to point directional and multiple point to omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields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

#### MECHANICAL SPECIFICATIONS

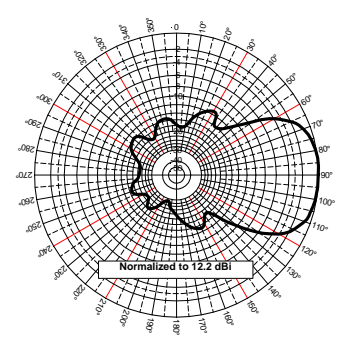
|                      |  |
|----------------------|--|
| Material             | Aluminum                                       |
| Length               | 44-1/4"  |
| Height               | 14-5/8"  |
| Boom Diameter        | 7/8"   |
| Weight               | NA   |
| Rated Wind Velocity  | 150mph (241kph)                                |
| Equivalent Flat Area | 0.48115 sq. ft.                                |
| Cable                | None   |
| Termination          | N-Female connector                             |
| Color                | Silver Only for YS Series                      |
| Lightning Protection | Lightning Arrestor LABH350NN (Sold Separately) |
| Mounting             | Yagi mounting Kit for 7/8" boom                |

#### ELECTRICAL SPECIFICATIONS

|  |                        |
|--|------------------------|
| Frequency Range                                    | 406-430 MHz            |
| VSWR   | < 2:1                  |
| Return Loss  | -10dB max              |
| Nominal Gain                                       | 12.2 dBi               |
| Front to Back Ratio                                | 20dB                   |
| Maximum Power                                      | 300 W                  |
| Nominal Impedance                                  | 50Ω                    |
| Polarization                                       | Vertical or Horizontal |
| Pattern  | Directional            |
| Horizontal Beamwidth (For Horizontal Polarization) | 58°                    |
| Vertical Beamwidth (For Vertical Polarization)     | 67°                    |
| Tuning   | Fixed Tune             |
| Transmitting/Receiving                             | Both                   |



Elevation Pattern (Y, Z or H-Plane) Representation Pattern



Azimuthal Pattern (X, Y or E-Plane) Representation Pattern

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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