



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 380-406 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

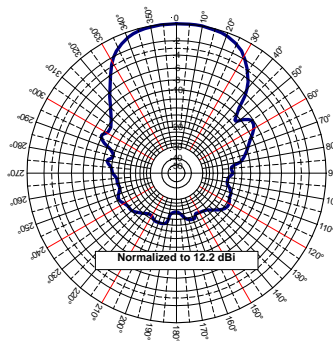
- Point to point directional and multiple point to omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields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

MECHANICAL SPECIFICATIONS

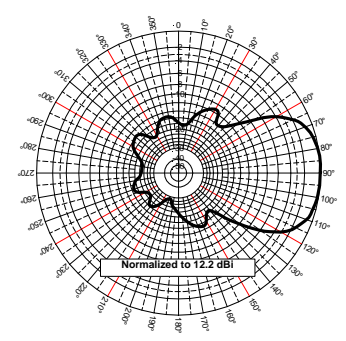
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|----------------------|--|
| Material | Aluminum |
| Length | 44-1/4" |
| Height | 14-5/8" |
| Boom Diameter | 7/8" |
| Weight | NA |
| Rated Wind Velocity | 150mph (241kph) |
| Equivalent Flat Area | 0.48115 sq. ft. |
| Cable | None |
| Termination | 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 | 380-406 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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