

BY1-XG

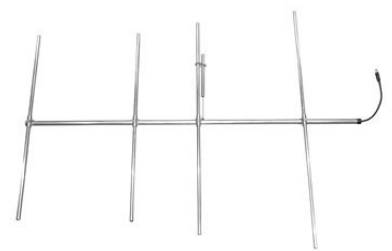
DAB 200 MHz Yagi Antenna Series

BY3-XG is a family of DAB 200 MHz Yagi Antennas

- Low Loss and Wideband Gamma match.
- Radiating elements, supporting booms and adjoining metal castings are constructed in high quality aluminum to prevent corrosion.

ELECTRICAL SPECIFICATIONS

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|----------------------|--|
| Antenna Type | BY1-6G: 3-element Yagi Antenna BY1-7G: 4-element Yagi Antenna BY1-9G: 6-element Yagi Antenna |
| Frequency | 220 - 240 MHz |
| Bandwidth | 20 MHz |
| Impedance | 50 Ohm |
| VSWR | <1.5:1 |
| Polarisation | Linear (Vertical or Horizontal) |
| Gain | BY1-6G: 6 dBd, 8.15 dBi BY1-7G: 7 dBd, 9.15 dBi BY1-9G: 9 dBd, 11.15 dBi |
| Half-Power Beamwidth | BY1-6G: E-plane: 60°, H-Plane: 80° BY1-7G: E-plane: 58°, H-Plane: 90° BY1-9G: E-plane: 50°, H-Plane: 60° |
| Front-To-Back Ratio | BY1-6G/9G > 18 dB BY1-7G > 13 dB |
| Max. Input Power | 150 Watt |



Datasheet

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MECHANICAL SPECIFICATIONS

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|---------------------|--|
| Color | Silvery white |
| Dimensions | BY1-6G: 830 x 620 mm BY1-7G: 1200 x 670 mm BY1-9G: 2000 x 670 mm |
| Weight | BY1-6G: 3.0 kg BY1-7G: 4.0 kg BY1-9G: 5.0 kg |
| Mount Type | Fixed Tube Bracket in Galvanized Iron (included) |
| Mounting Place | On tube (Ø 20 - 65 mm, vertical or horizontal) |
| Survival Wind Speed | 55 m/s |
| Materials | Aluminum 6063-T5, PP and Brass |
| Connector | Type N-female |
| Pigtail | Approx. 0.5 m RG213/U |
| Serial Number | On product label |

ORDERING INFORMATION

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|--------|----------------------------|
| BY1-6G | 6 dBd, 8.15 dBi In Box |
| BY1-7G | 7 dBd, 9.15 dBi In Box |
| BY1-9G | 9 dBd, 11.15 dBi In Box |