

6 element Yagi 155-175 MHz

DESCRIPTION

A 6-element VHF Yagi antenna for PMR/Trunked Radio and Broadcast applications. Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.

- Former Jaybeam brand product.

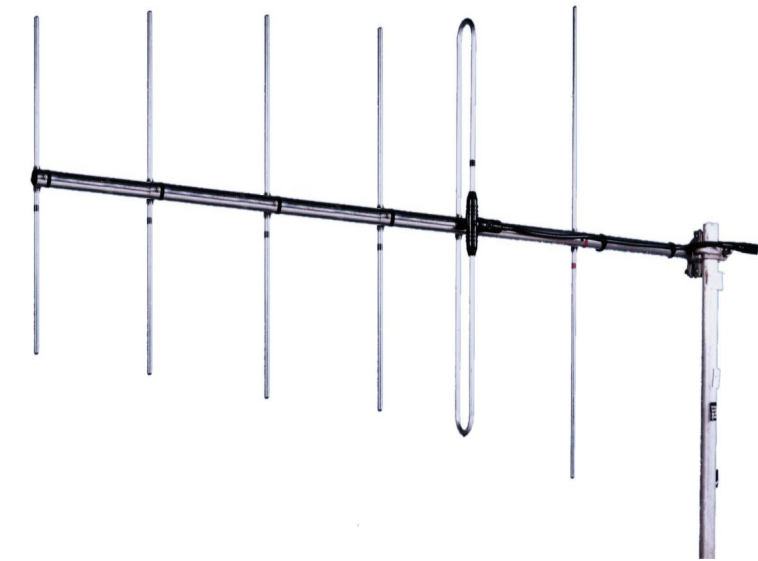
SPECIFICATIONS

| Electrical              |                                                          |
|-------------------------|----------------------------------------------------------|
| Frequency               | 155 - 175 MHz                                            |
| Max. Input Power        | 150 W                                                    |
| Polarisation            | Linear (Vertical or Horizontal)                          |
| 3 dB Beamwidth, E-Plane | 56 °                                                     |
| 3 dB Beamwidth, H-Plane | 64 °                                                     |
| Impedance               | 50 Ω                                                     |
| Gain                    | 8.5 dBd (10.7 dBi)                                       |
| VSWR                    | < 1.5:1                                                  |
| Front-To-Back Ratio     | > 16 dB                                                  |
| Antistatic Protection   | All metal parts DC-grounded (Connector shows a DC-short) |

| Mechanical                 |                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------|
| Connection(s)              | N(f) on 3m RG213/U cable                                                                                   |
| Materials                  | Boom, 32 mm dia. aluminium<br>elements, 12.7 mm dia. aluminium<br>balun, Fully moulded enclosure           |
| Length                     | 2470 mm / 97.24 in.                                                                                        |
| Wind Load                  | 187 N (160km/h)                                                                                            |
| Weight                     | 4.1 kg / 9.04 lb                                                                                           |
| Mounting Bracket           | 3202078/68 + 0900174/00<br>(Ordered Separately)                                                            |
| Alternate Mounting Bracket | 0900912/00, 0302032/68, or 0300064/00 + U-Bolts to match<br>mounting pipe diameter<br>(Ordered Separately) |

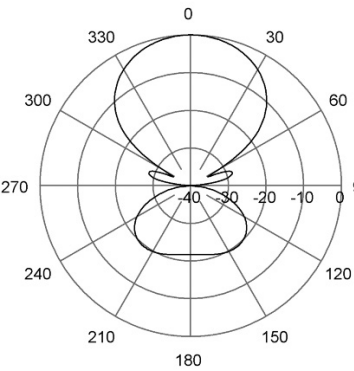
ORDERING

| Type                                          | Product No. | Frequency     |
|-----------------------------------------------|-------------|---------------|
| 6 element Yagi 155-175 MHz                    | 7042155     | 155 - 175 MHz |
| Galvanised steel crossover bracket 32/50mm    | 0900912/00  |               |
| Pressed steel cross clamp 2" x 1-1/4" (JBL73) | 0302032/68  |               |
| Cast aluminium cross clamp, circular          | 0300064/00  |               |
| M8 x 50mm (2") U-Bolts (1 Pair)               | 4884036/00  |               |
| M8 x 75mm (3") U-Bolts (1 Pair)               | 4884076/00  |               |
| Fixed norstel / coupler clamp (cross clamp)   | 3202078/68  |               |
| Increasing sleeve 1"-1-29/32"                 | 0900174/00  |               |



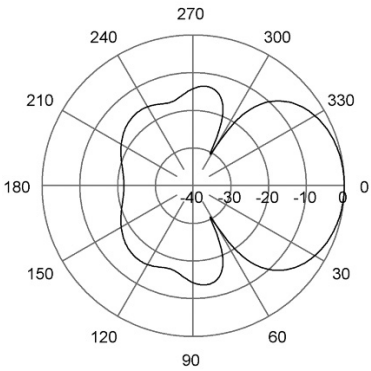
DIAGRAM

RADIATION PATTERNS



E-Plane | 165 MHz

RADIATION PATTERNS



H-Plane | 165 MHz

