

Y800 Series Yagi's

UHF Mobile Phone

Square Boom Yagi A, B & C

The Y800 series of directional fixed position Yagi's are also manufactured in "fixed frequency" models A, B and C, each tuned for optimum performance across a separate segment of the UHF Mobile Phone range 820 to 960MHz.

Mounting Clamps, coaxial feeder cable, connectors and other installation accessories are all available separately.

| Specifications | Y806 | Y809 | Y815 |
|--|---|---|---|
| Fixed Frequency Models (select letter when ordering) | A = 825-890MHz (Telstra 3G) B = 870-930MHz C = 890-960MHz (GSM) | A = 825-890MHz (Telstra 3G) B = 852-930MHz C = 890-960MHz (GSM) | A = 825-890MHz (Telstra 3G) B = 852-930MHz C = 890-960MHz (GSM) |
| Construction | Aluminium, or add SS for stainless steel (304 grade) | | |
| Tuning | Factory | Factory | Factory |
| Return Loss, VSWR | <1.5:1 across fixed bandwidth | | |
| Number of Elements | 6 | 9 | 15 |
| Gain (nominal) | 9 dBd | 11.5 dBd | 14 dBd |
| Polarisation | Mount Horizontal or Vertical as required | | |
| Maximum Power | 50 Watts | 50 Watts | 50 Watts |
| Impedance | 50 Ohms | 50 Ohms | 50 Ohms |
| H Plane (at 3dB) | 51° | 42° | 30° |
| E Plane (at 3dB) | 46° | 34° | 28° |
| Front-to-Back Ratio | 17.8 dB | 15 dB | 15 dB |
| Connector (fitted) | N-type female fitted to 250mm RG59 cable tail | | |
| Boom Length (at 850MHz) | 0.8 metres | 0.97 metres | 1.85 metres |
| Longest Element | 210mm | 210mm | 210mm |
| Weight in aluminium | 0.5Kg | 0.7Kg | 1Kg |
| Weight in stainless steel | 1.2Kg | 1.5Kg | 2.6Kg |
| Projected Area | 0.035m ² | 0.054m ² | 0.075m ² |
| Wind Load at 160kph | 4.5Kg | 6.5Kg | 9.5Kg |
| Strut Kit (order separately) | Not required | Not required | YS1-48 or YS2-48 |
| Mounting Accessories (order separate) | 1 x A48 for Aluminium or 1 x S48 for Stainless Steel | | |

