

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 820-960MHz.

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

Specifications	Y806	Y809	Y815
Fixed frequency models (select letter/frequency)	A: 825-890MHz Telstra 3G (Next G™)		
	B: 870-930MHz		B: 852-930MHz
	C: 890-960MHz Optus & Vodafone 3G		
Construction	Fully-welded aluminium, or add -SS for 304 grade stainless steel		
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	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 hardware (order separate)	1 x A48 for aluminium or 1 x S48 for stainless steel		

