

Y200CP series FM Radio Cross Polarised Yagis

These Y200CP cross polarised yagi series are specifically designed and manufactured for FM radio transmit and receive.

Cross polarised signals eliminate multipathing due to unwanted reflections and refractions, and penetrate more obscure areas in comparison to a single plane antenna.

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

Specifications	Y202CP	Y204CP	Y206CP
Construction	Aluminium, or add SS for Stainless Steel (304 grade)		
Frequency	FM band 87.5-108.5MHz		
Bandwidth	Any 4% (specify when ordering)		
Tuning	Factory	Factory	Factory
Return Loss, VSWR	Better than -20dB, 1.2:1 across specified bandwidth		
Cross Elements	2	4	6
Gain (nominal)	3 dBd per plane	6 dBd per plane	9 dBd per plane
Polarisation	Circular Elliptical		
Maximum Power	250 Watts	250 Watts	250 Watts
Impedance	50 Ohms	50 Ohms	50 Ohms
DC Grounding	Yes	Yes	Yes
H Plane, each plane	135°	62°	50°
E Plane, each plane	70°	54°	46°
Connector (fitted)	N-female input on phasing harness (supplied)		
Boom Dimensions	1.9m x 50mm	3.7 m x 50mm	5m x 50mm
Weight	Alum - 5.5Kg S/Steel - 7.2Kg	Alum - 8.2Kg S/Steel - 10.8Kg	Alum - 10Kg S/Steel - 13.2Kg
Projected Area	0.30m ²	0.36m ²	0.42m ²
Wind Load at 160kph	36Kg	42Kg	52Kg
Strut Kit (recommended)	YS1 (order separately)		
Mounting Accessories	1 x Y2300 for alum, 1 x Y2300SS for S/Steel (order separately)		

