

Y200CP series

Directional cross polarised Yagi
FM Radio 87.5-108MHz

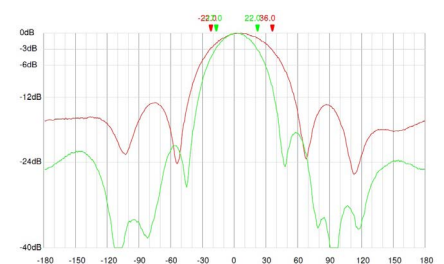
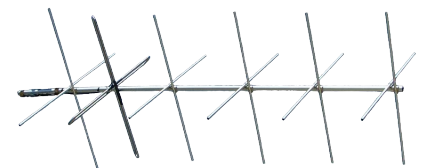
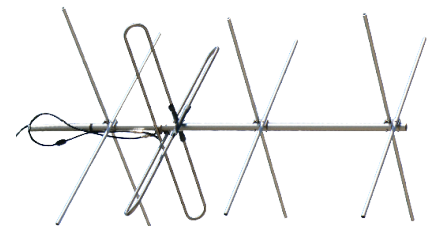
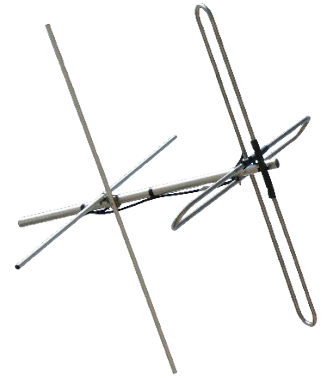


These Y200CP cross polarised Yagi series are specifically designed and manufactured for FM radio transmit and receive.

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

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

Specifications	Y202CP	Y204CP	Y206CP	
Construction	Aluminium, or add -SS for 304 grade stainless steel			
Frequency range	FM Radio 87.5-108MHz			
Bandwidth	Specify any 4% when ordering			
Tuning	Factory			
VSWR	<1.2:1 across specified bandwidth			
Cross elements	2	4	6	
Gain - nominal	3dBd per plane	6dBd per plane	9dBd per plane	
Polarisation	Circular elliptical			
Maximum power	250 Watts			
Impedance	50 Ohms			
DC grounding	Yes			
H Plane, each plane	135°	62°	50°	
E Plane, each plane	70°	54°	46°	
Connector	N-type female input on phasing harness - supplied			
Boom dimensions	1.52m x 1.8m x 50mmφ	2.74m x 1.8m x 50mmφ	3.63m x 1.8m x 50mmφ	
Weight	Aluminium	5.5kg	8.2kg	10.0kg
	Stainless steel	7.2kg	10.8kg	13.2kg
Projected area	0.30m ²	0.36m ²	0.42m ²	
Wind Load at 160kph	36.0kg	42.0kg	52.0kg	
Strut kit - recommended	YS1-23 - single tension or YS2-23 - dual tension - order separate			
Mounting hardware order separate	Aluminium: 1 x Y2300 or Stainless steel: 1 x Y2300-SS			



Y206CP Radiation pattern