

Y400-CP Series

UHF 380-700MHz

Circular polarised Yagi

A cross polarised Yagi produces a circular elliptical radiation pattern which reduces unwanted reflection and refraction of signals. This improves transmit and receive performance, particularly in hilly terrain or where there are trees, wire fencing or steel structures in the signal path.

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

Specifications	Y403-CP	Y406-CP	Y409-CP	Y415-CP
Construction	Fully-welded corrosion resistant aluminium boom and dipoles and external phasing harness			
Frequency range	UHF 380- 700MHz			
Bandwidth	Specify any 20MHz when ordering			
Tuning	Factory			
VSWR	<1.5:1			
Cross elements	3 each plane	6 each plane	9 each plane	15 each plane
Gain - per plane	6dBd	9dBd	11.5dBd	14dBd
Polarisation	Right-hand circular elliptical			
Maximum power	150 Watts			
Impedance	50 Ohms			
DC grounding	Yes			
H Plane each plane	76°	50°	44°	37°
E Plane each plane	57°	46°	36°	33°
Connector	N-type female output on 2-way phasing harness - supplied			
Boom length	700mm	1.2m	1.7m	2.5m
Widest element	400mm			
Weight	1.0kg	1.1kg	1.3kg	1.6kg
Projected area	0.060m ²	0.078m ²	0.91m ²	0.127m ²
Wind load at 160kph	7.268kg, 0.071kN	9.46kg, 0.093kN	10.97kg, 0.107kN	15.4kg, 0.151kN
Mounting hardware (order separate)	1 x A48-AM or consult ZCG 1 x strut kit recommended for Y409-CP & Y415-CP			

