



These FM Yagi antennas are designed for FM broadcasting applications which require circular or elliptical polarization and low windload.

The 902CP antenna elements are of stainless steel construction thus guaranteeing long life and maintenance free operation.

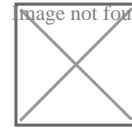
The antenna can be designed for any number of levels and is designed for easy sidemounting installation. Tower or mast costs are also minimized because of the low antenna windload.

Multiple arrays are supplied as a complete package including 50 ohm flexible interconnecting cables and an appropriate power divider.

**FEATURES / BENEFITS**

The 902CP series have been developed to provide broadband operation over the range 87.5 to 108MHz. This provides broadcasters with the advantage of sharing antenna systems and reducing establishment costs.

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902CP Series showing 902CP-1

**Technical features**

**STRUCTURE**

Product Line		Antenna TV
Product Type		Band II (VHF) 902CP-8 FM Yagi Antennas

**ELECTRICAL SPECIFICATIONS**

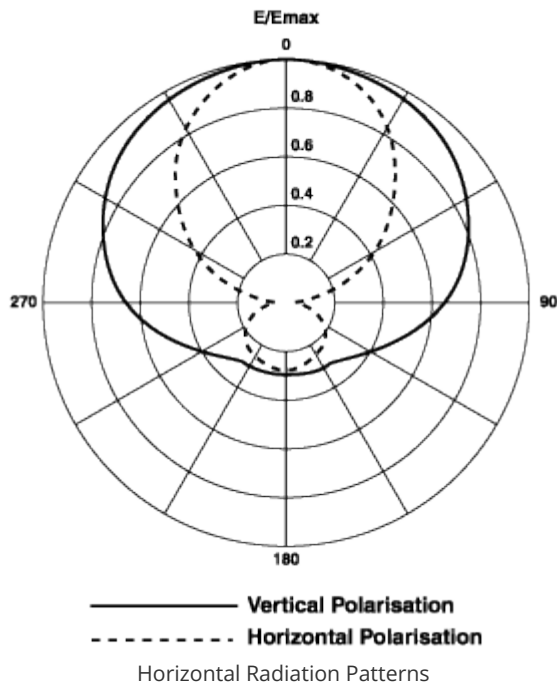
Frequency Range	MHz	87.5 - 108
Polarization		Circular Elliptical
Gain per Plane of Polarization	dBd	10.8
Return Loss	dB	> 20
Power Rating	kW	40
Input/Power Rating Comment		5 kW per level
Impedance (unbalanced)	Ω	50

**MECHANICAL SPECIFICATIONS**

Number of Levels		8
Input Connector		2 x 7/8" EIA Flange per level
Mounting (Standard)	mm (in)	Suitable for 60mm (2.4") or 90mm (3.5") OD pole
Effective Area Front (full antenna) No Ice	m <sup>2</sup> (ft <sup>2</sup> )	0.34 (3.66) per level
Effective Area Front (full antenna) with 12.5mm(0.5") Radial Ice	m <sup>2</sup> (ft <sup>2</sup> )	0.34 (3.66) per level
Effective Area Side (full antenna) No Ice	m <sup>2</sup> (ft <sup>2</sup> )	0.30 (3.23) per level
Effective Area Side (full antenna) 12.5mm (0.5") Radial Ice	m <sup>2</sup> (ft <sup>2</sup> )	0.30 (3.23) per level
Wind Load @ 50 m/sec Front	kN (lb)	0.5 (100)
Weight	kg (lb)	23 (51) Single Bay

**PACKAGING INFORMATION**

Shipping Weight, Kg (lb)	kg (lb)	23 ()
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