

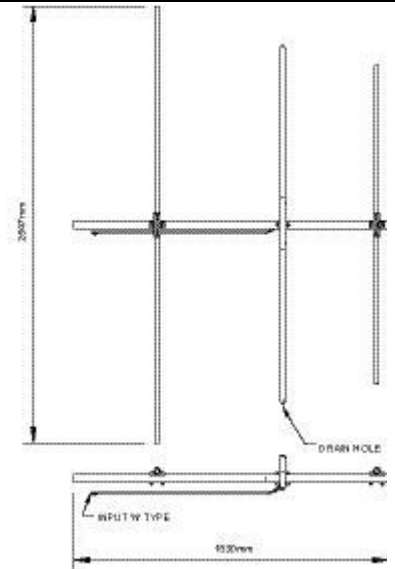
## FM Yagi Antenna YLV Series

## Product Description

The YLV3 yagi antenna is suitable for use as an element in VHF transmitting arrays. By arranging a number of these elements around a suitable tower or mast an omnidirectional or a number of directional radiation patterns can be achieved. The YLV3 can also be used as a stand alone antenna.

The antenna can be centre mounted for single antenna applications or by an extended boom for mounting to tower or mast in an array configuration. Bracing kits are supplied as standard with antennas that require them. Mounting hardware is stainless steel. To facilitate package and transport, yagi antennas are transported as components. Detailed assembly instructions are provided.

Mounting clamps and tower brackets are available to suit a range of tower types. Contact RFS with your requirements.



YLV3 - Dimensions shown for the model covering 47 - 54 MHz

## Features/Benefits

- Suitable for use as an array element or for stand alone operation
- Engineered for transmission of both Digital and Analog TV/Radio
- Light weight and low wind load
- All elements are DC grounded for lightning protection

## Technical Specifications

Product Line	Antenna TV
Product Type	Band I (Low VHF) Yagi Antennas, Band II (VHF) FM Yagi Antennas
Frequency Range, MHz	47 - 108
Polarization	Horizontal
Number of Channels	Single channel up to 8 MHz
Nominal Gain (Mid-band), dBd	4.2
Return Loss, dB	>21 (typically 26 across channel)
Input Connector	N type
Power Rating per Input, kW	5
Impedance, ohms	50 unbalanced
Operating Temperature Range, degrees C	-10 to +50
Weight, kg (lb)	17 (37)
Dimensions (Height or Length), cm (in)	20
Dimensions (Width), cm (in)	3254
Dimensions (Depth), cm (in)	2220
Effective Area Front (full antenna), sq m (sq ft)	0.46 (4.95)
Effective Area Side (full antenna), sq m (sq ft)	0.13 (1.4)
Design Wind Speed (max), km/h (mph)	240 (150)
Wind Load @ 50 m/sec Front, kN (lb)	0.69 (155)
Wind Load @ 50 m/sec Side, kN (lb)	0.2 (45)
Material - Support Pole / Mounting	Aluminium
Material - Radiators	6000 Series aluminium alloy

## Notes

## Other Documentation

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