

A 3-element Heavy Duty VHF Yagi antenna for high power PMR/Trunked Radio, Broadcast and extended range VHF Aircraft Band applications. Produced to the highest quality standards, these robust antenna designs will insure reliable operation in harsh environmental conditions.

7421xxx

Replace "xxx" with desired model number option.

V-Pol or H-Pol | 3-Element Heavy Duty Yagi | 120° | 5.7 dBd

Electrical Characteristics

Frequency range	68..230 MHz	
Model number options (xxx)	Model Number	Frequency band*
	7421097	93-103 MHz
	7421100	95-106 MHz
	7421120	110-130 MHz
	7421139	135-144 MHz
Bandwidth	±5% (typical)	
Polarization	Vertical or Horizontal	
Horizontal beamwidth	120°	
Vertical beamwidth	70°	
Gain	5.7 dBd	
Impedance	50Ω	
VSWR	<1.5:1	
Front-to-back ratio	>15 dB	
Maximum power	300 W (750 W option) Please call for ordering details on options.	
Connector type	N-Female + 3m of RG213 cable	
Lightning protection	DC grounded	

* Other frequencies available upon request.

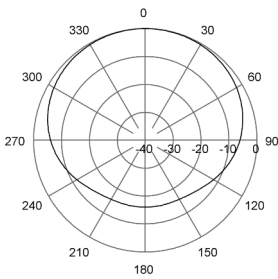
Mechanical Characteristics

Materials	Boom, 49 mm dia., aluminium Elements, 19 mm dia., aluminium Balun, epoxy potted, polyester enclosure		
Dimensions LxWxD	100 MHz:	2200 x 1370 x 120 mm	86.6 x 53.9 x 4.7 in
Weight without bracket	100 MHz:	9 kg	19.8 lbs
Wind load @ 160 km/hr (100 mph)	100 MHz:	300 N	67.4 lbf

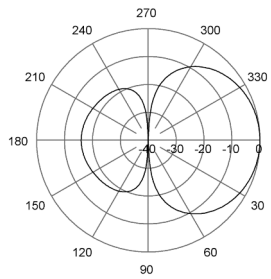
Mounting Options

	Part Number
Mounting bracket	0300064/00 + U-bolts to match mounting pipe diameter

Please order Mounting Bracket separately.



Horizontal



Vertical

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.