

6 element Yagi 158-172 MHz

DESCRIPTION

A 6-element Heavy Duty VHF Yagi antenna for high power Broadcast and extended range VHF Aircraft Band applications. Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.

- Former Jaybeam brand product.

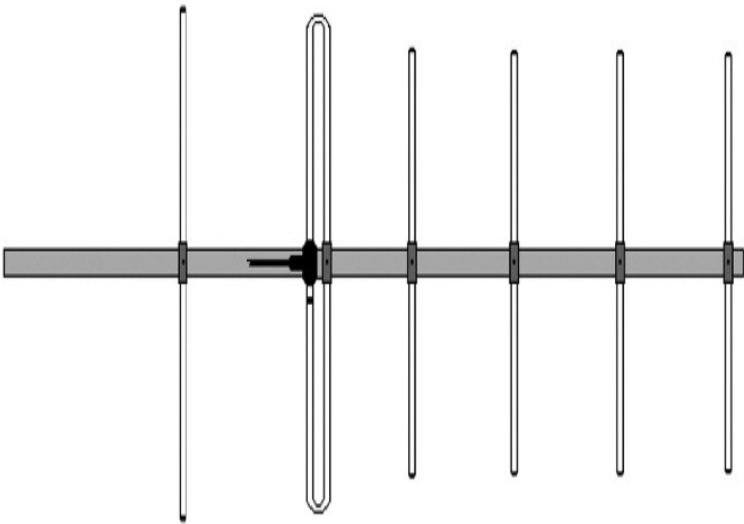
SPECIFICATIONS

Electrical	
Frequency	158 - 172 MHz
Max. Input Power	150 W
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	56 °
3 dB Beamwidth, H-Plane	64 °
Impedance	50 Ω
Gain	8.5 dBd (10.7 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 17 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	N(f) on 3m RG213/U cable
Materials	Boom, 38 mm dia., aluminium elements, 19.1 mm dia., aluminium balun, fully moulded enclosure
Dimensions	2570 x 1100 x 120 mm (L x H x D)
Wind Load	263 N (160km/h)
Weight	7.3 kg / 16.09 lb
Mounting Bracket	3202078/68 + 3201079/00 (Ordered Separately)
Alternate Mounting Bracket	0300064/00 + U-bolts to match mounting pipe diameter (Ordered Separately)

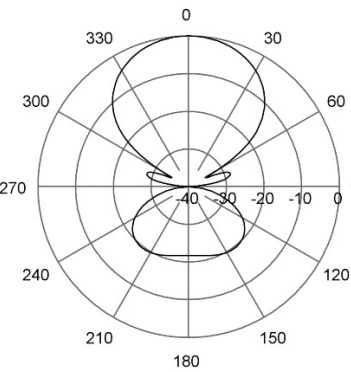
ORDERING

Model	Product No.	Frequency
6 element Yagi 158-172 MHz	7130165	158 - 172 MHz
Cast aluminium cross clamp, circular	0300064/00	
M8 x 50mm (2") U-Bolts (1 Pair)	4884036/00	
M8 x 75mm (3") U-Bolts (1 Pair)	4884076/00	
Fixed norstel / coupler clamp (cross clamp)	3202078/68	
Increasing sleeve	3201079/00	



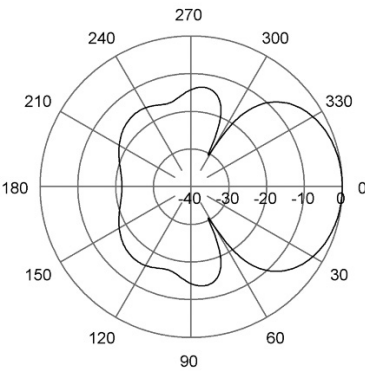
DIAGRAM

RADIATION PATTERNS



E-Plane | 165 MHz

RADIATION PATTERNS



H-Plane | 165 MHz

