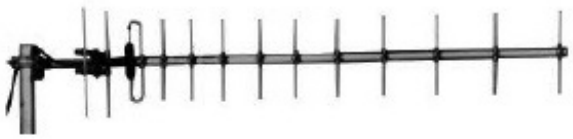
12 element Yagi 450-470 MHz



DESCRIPTION

A 12-element UHF Yagi antenna for PMR/Trunked Radio and Telemetry. 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	450 - 470 MHz
Max. Input Power	150 W
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	33 °
3 dB Beamwidth, H-Plane	36 °
Impedance	50 Ω
Gain	12 dBd (14.2 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 20 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, 32 mm dia. aluminium elements, 12.7 mm dia. aluminium balun, Fully moulded enclosure
Length	215 mm / 8.46 in.
Wind Load	140 N (160km/h)
Weight	5 kg / 11.02 lb
Mounting Bracket	3202078/68 + 3201079/00 (Ordered Separately)
Alternate Mounting Bracket	0900912/00, 0302032/68, or 0300064/00 + U-Bolts to match mounting pipe diameter (Ordered Separately)
Mounting Accessories	0900018/00 Trombone 2-point mount

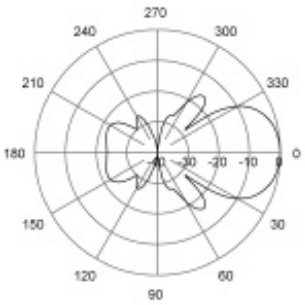
Environmental	
Survival Wind Speed	162 km/h

ORDERING

Model	Product No.	Frequency
12 element Yagi 450-470 MHz	7014450	450 - 470 MHz
Galvanised steel crossover bracket 32/50mm	0900912/00	
Pressed steel cross clamp 2" x 1-1/4" (JBL73)	0302032/68	
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	

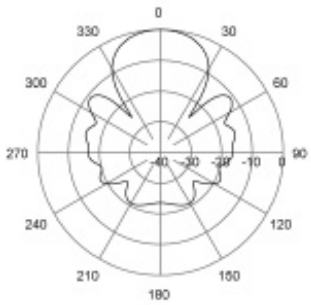
DIAGRAM

RADIATION PATTERNS



E-Plane | 460 MHz

RADIATION PATTERNS



H-Plane | 460 MHz

PROCOM A/S reserves the right to
amend specifications without prior notice