Wideband Ground-Air omni, 3 dBd, 108 -175 MHz

DESCRIPTION

- The 470 Series of glassfibre omni antennas are designed for wide band, particularly military and ground-to-air applications.
- The antennas are well suited to the most demanding applications both physically and environmentally, and have been engineered for optimal performance over a bandwidth greater than 50% of their centre frequency.
- Available in single dipole, multidipole and colinear versions.
- Former Skymasts brand product.

SPECIFICATIONS

Electrical	
Frequency	108 - 175 MHz
Max. Input Power	500 W
Omni Deviation	< ± 1 dB
Polarisation	Vertical
3 dB Beamwidth, E-Plane	40 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	3 dBd (5.2 dBi)
VSWR	< 2.0:1
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Radiating Element(s)	120 mm dia. aluminium tube
Connection(s)	N(f)
Radiator Feed	PTFE dielectric coaxial cable
Radome Material / Colour	GRP tube dark green, 128mm dia.
Length	3400 mm / 133.86 in.
Wind Area	0.522 sq. m / 5.62 sq. ft.
Wind Load	648 N (160km/h)
Weight	18 kg / 39.68 lb.
Mounting	Flanged base with six M14 fixing holes on 190 mm PCD

Environmental	
Survival Wind Speed	270 km/h

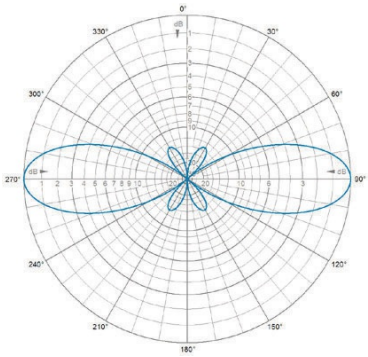
MOUNTING & DIAGRAMS

Mounting Accessories - 470.8100 Bracket

ORDERING

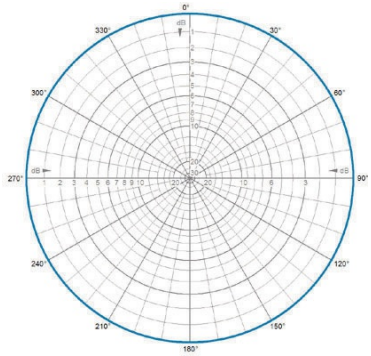
Model	Product No.	Frequency
Wideband Ground-Air omni, 3 dBd, 108-175MHz	470.31.05.00	108 - 175 MHz

RADIATION PATTERNS



E-Plane | 142 MHz

RADIATION PATTERNS



H-Plane | 142 MHz

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