

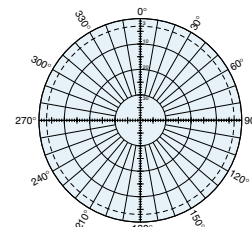
Omnidirectional Antenna
68 to 87.5 MHz

The Kathrein K5126411 and K5126421 omnidirectional groundplane antennas are intended for use in professional fixed-station applications in the 68 to 87.5 MHz band. They feature:

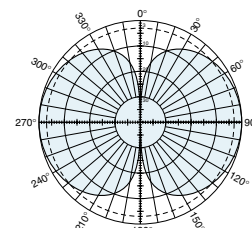
- Stainless steel radiator with fiberglass reinforced radials.
- Excellent bandwidth, broadband over 68–80 or 74–87.5 MHz.
- Variable mounting configurations allow feeder cable to be run inside or outside the support pipe.
- Easy assembly.
- All metal parts at DC ground potential.
- Stainless steel hardware and fastenings.



Specifications:	K5126411	K5126421
Frequency range	68–80 MHz	74–87.5 MHz
Gain	2 dBi	2 dBi
Impedance	50 ohms	50 ohms
VSWR	<1.5:1	<1.5:1
Polarization	Vertical	Vertical
Maximum input power	75 watts (at 50°C)	75 watts (at 50°C)
H-plane beamwidth	Omni	Omni
E-plane beamwidth	78 degrees (half-power)	78 degrees (half-power)
Connector	N female	N female
Weight	4 lb (1.8 kg)	3.5 lb (1.6 kg)
Dimensions		
radiating element	29.4 inches (747 mm)	26.8 inches (680 mm)
ground radials	41.5 inches (1053 mm)	38.2 inches (970 mm)
Equivalent flat plate area	0.68 ft ² (0.063 m ²)	0.62 ft ² (0.058 m ²)
Wind survival rating*	120 mph (200 kph)	120 mph (200 kph)
Shipping dimensions	43 x 5 x 5 inches (1114 x 132 x 112 mm)	43 x 5 x 5 inches (1114 x 132 x 112 mm)
Shipping weight	6 lb (2.8 kg)	5.7 lb (2.6 kg)
Mounting	Mounting hardware supplied	Mounting hardware supplied
	A. Mounting for 0.8 to 1.6 inch (20 to 40 mm) OD mast.	
	B. Mounting for 1.6 to 2.2 inch (40 to 54 mm) OD mast.	



H-plane
Horizontal pattern – V-polarization

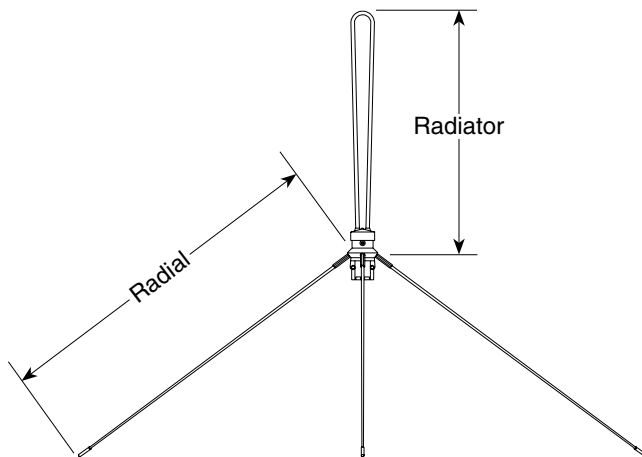
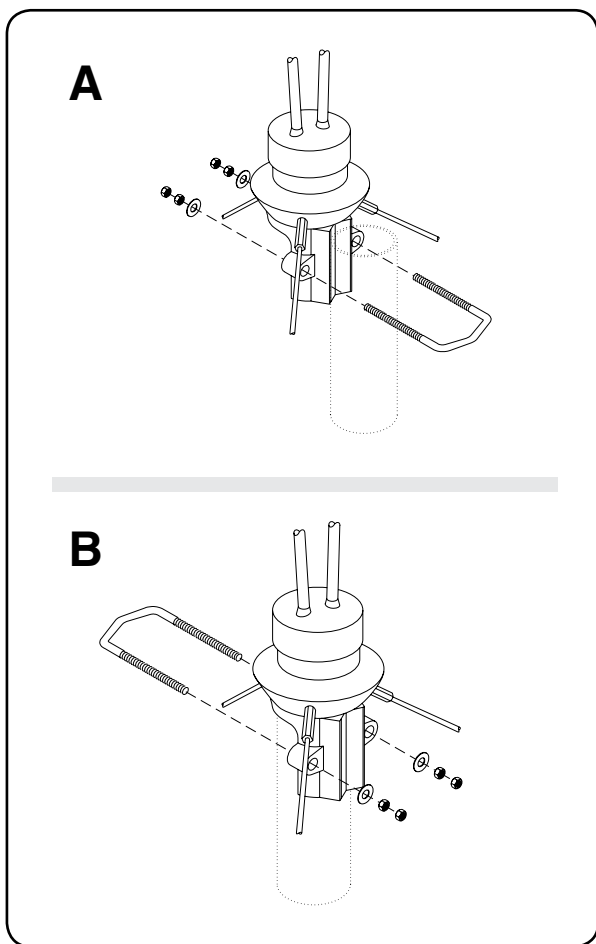


E-plane
Vertical pattern – V-polarization

* Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.



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Dimensions	K5126411	K5126421
Radiator	29.4 inches (747 mm)	26.8 inches (680 mm)
Radials	41.5 inches (1053 mm)	38.2 inches (970 mm)

Mounting Options:

	Description
A	Mounting for 0.8 to 1.6 inch (20 to 40 mm) OD mast
B	Mounting for 1.6 to 2.2 inch (40 to 54 mm) OD mast

Order Information:

Model	Description
K5126411	68–80 MHz Antenna with N connector
K5126421	74–87.5 MHz Antenna with N connector