

Omnidirectional Antenna
0 dBd gain
68–78 MHz

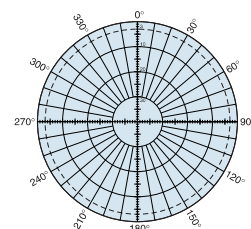
The Kathrein GPB-75N omnidirectional groundplane antenna is intended for use in professional fixed-station applications in the 68–78 MHz band. It features:

- Stainless steel radiator with fiberglass reinforced radials.
- Excellent bandwidth, broadband over 68–80 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.

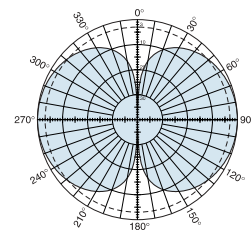
Specifications:

Frequency range	68–78 MHz (broadband)
Gain	0 dBd
Impedance	50 ohms
VSWR	<1.5:1
Polarization	Vertical
Maximum input power	75 watts (at 50°C)
H-plane beamwidth	Omni
E-plane beamwidth	78 degrees (half-power)
Connector	N female
Weight	3.97 lb (1.8 kg)
Dimensions	
radiating element	29.4 inches (747 mm)
ground radials	41.5 inches (1053 mm)
Equivalent flat plate area	0.68 ft ² (0.063 m ²)
Wind survival rating*	120 mph (200 kph)
Shipping dimensions	43 x 5 x 5 inches (1093 x 127 x 127 mm)
Shipping weight	6 lb (2.8 kg)
Mounting	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.

* 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.



H-plane
Horizontal pattern – V-polarization

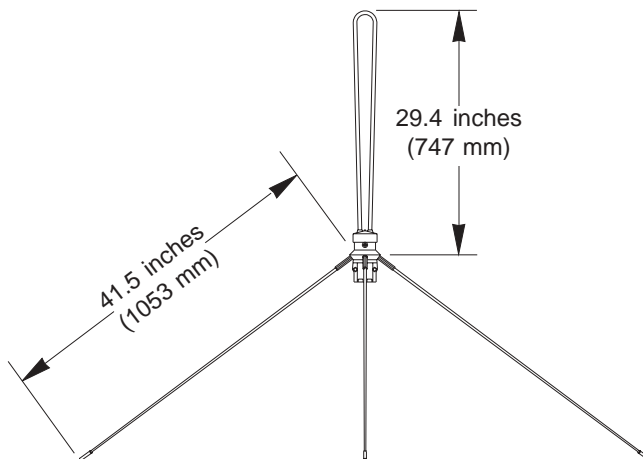
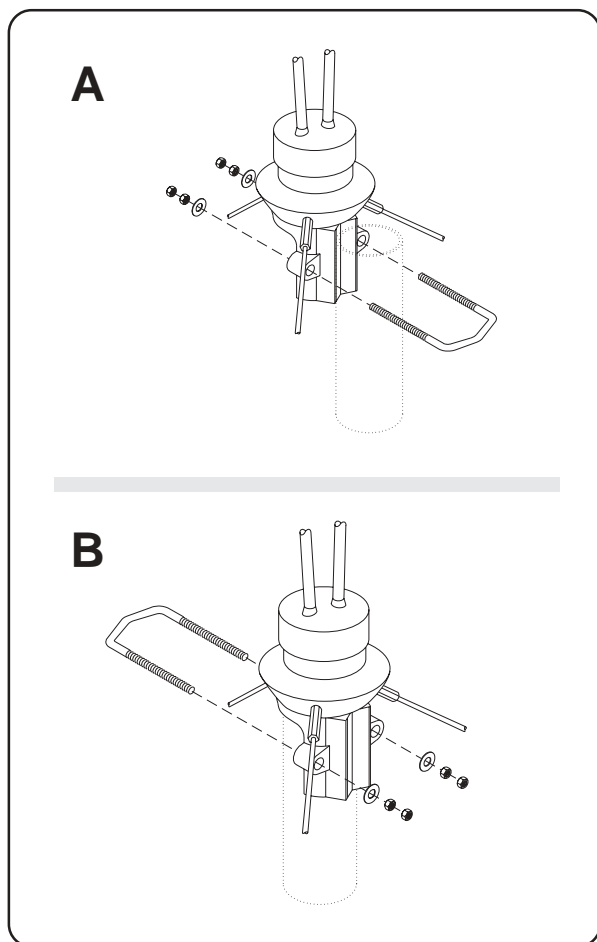


E-plane
Vertical pattern – V-polarization



10217-B

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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
GPB-75N K5126411	68–78 MHz Antenna with N connector

All specifications are subject to change without notice