

Omnidirectional Antenna 440 to 470 MHz

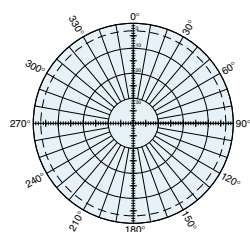
The Kathrein 721 388 and 720 880 omnidirectional broadband antennas are intended for use in professional fixed-station applications in the 440–470 MHz band. They feature:

- Collinear broadband design.
- Brass radiator assembly completely housed within the radome.
- Heavy-duty one-piece fiberglass radome.
- Inner conductor and all metal parts at DC ground potential.
- Extreme weather survival design.
- Integral cast aluminum base.
- Stainless steel hardware and fastenings.

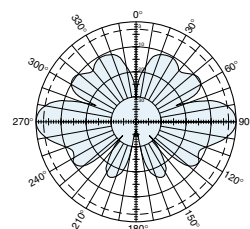
Specifications:

Frequency range	440–470 MHz
Gain	7 dBi
Impedance	50 ohms
VSWR	< 1.5:1
Polarization	Vertical
Maximum input power	500 watts (at 50°C)
H-plane beamwidth	Omni
E-plane beamwidth	18 degrees (half power)
Connector	721 388 N female 720 880 7-16 DIN female
Weight	3.5 lb (1.6 kg)
Height	79.4 inches (2016 mm)
Radome diameter	0.83 inches (21 mm)
Wind load	at 93 mph (150kph) 14 lbf / 60 N
Wind survival rating*	120 mph (200 kph)
Shipping dimensions	83.6 x 4.4 x 3.8 inches (2124 x 112 x 97 mm)
Shipping weight	8 lb (3.63 kg)
Mounting	Mounting hardware supplied. A. Mounting for 1.6 to 2.1 inch (40 to 54 mm) OD mast. B. Mounting for 0.8 to 2.1 inch (20 to 54 mm) OD mast.

*Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) 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



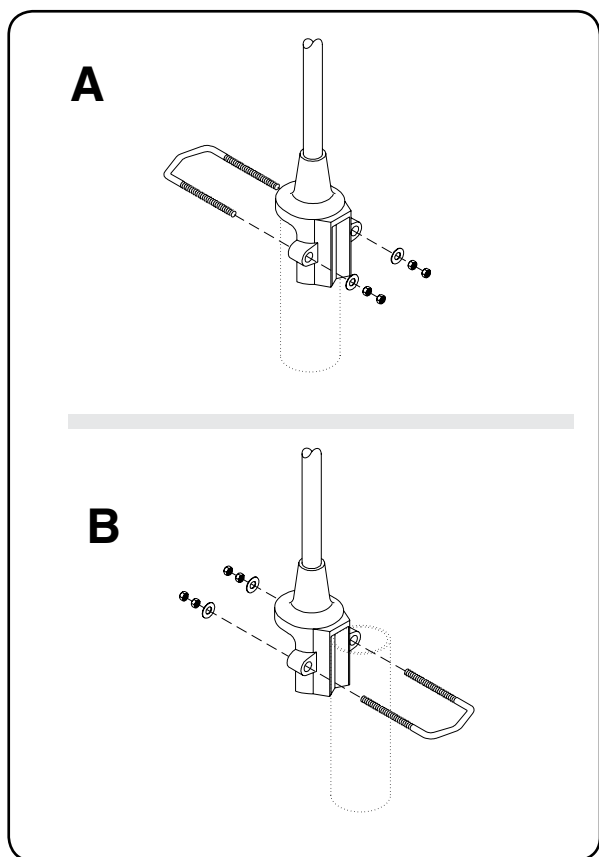
E-plane
Vertical pattern – V-polarization



10101-E
936.732/b

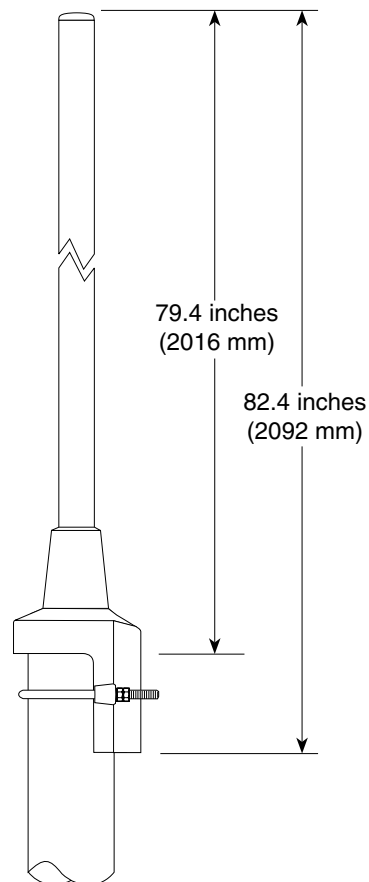


Omnidirectional Antenna 440 to 470 MHz



Mounting Options:

	Description
A	Mounting for 1.6 to 2.1 inch (40 to 54 mm) OD mast
B	Mounting for 0.8 to 2.1 inch (20 to 54 mm) OD mast



Order Information:

Model	Description
721 388	Antenna with N female connector
720 880	Antenna with 7-16 DIN female connector

All specifications are subject to change without notice. The latest specifications are available at www.kathrein-scala.com.