Omnidirectional Antennas
Vertical Polarization

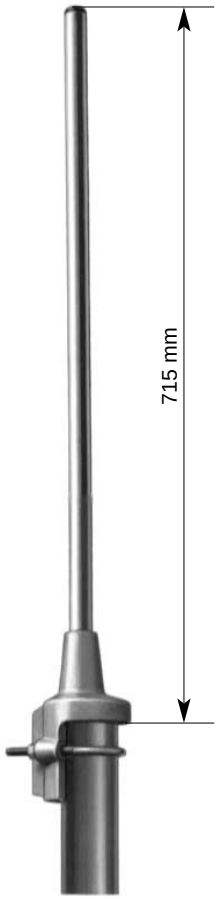
890 – 960

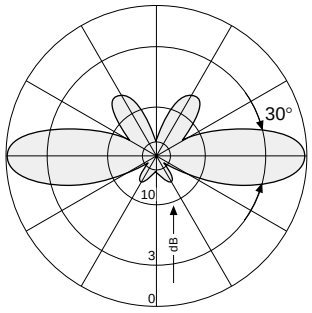
V

KATHREIN
Antennen · Electronic

VPol Omni 890–960 360° 5dBi

Type No.	K 75 15 64 1	K 75 15 64 7	741 062
Frequency range	890 – 960 MHz		
Polarization	Vertical		
Gain	5 dBi		
Impedance	50 Ω		
VSWR	< 1.5		
Intermodulation IM3 (2 x 37 dBm carrier)	< –150 dBc		
Max. power	250 W (at 50 °C ambient temperature)		





Vertical Pattern

Mechanical specifications	K 75 15 64 1	K 75 15 64 7	741 062
Mounting position	Normal	Normal	Inverted
Input	N female	7-16 female	7-16 female
Connector position	Bottom		
Weight	0.90 kg		
Radome diameter	21 mm		
Wind load	20 N (at 150 km/h)		
Max. wind velocity	200 km/h		
Packing size	825 x 112 x 97 mm		
Height	715 mm		

936.376/i Subject to alteration.

Internet: http://www.kathrein.de

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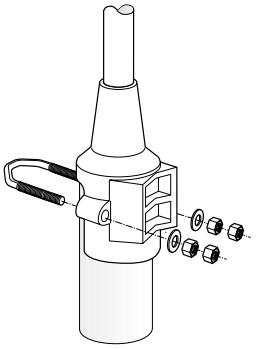
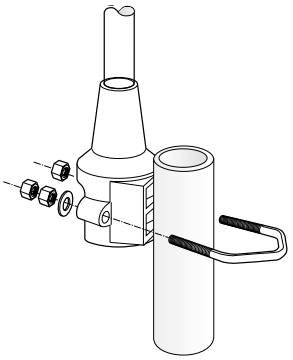
Accessories (order separately)

Type No.	Description	Remarks	Weight approx.	Units per antenna
K 61 33 5	Side-mounting bracket	Mast: 40 – 105 mm diameter	2.2 kg	1



On the tip



Laterally at the tip

Mounting: The antenna can be attached in two ways with the supplied mounting kit:
1. On the tip of a tubular mast of 40 – 54 mm diameter (connecting cable runs inside the mast).
2. Laterally at the tip of a tubular mast of 20 – 54 mm diameter (connecting cable runs outside the mast).

Material: **Radiator:** Brass. **Radome:** Fiberglass, colour: Grey.
Base: Weather-proof aluminum.
Mounting kit, screws and nuts: Stainless steel.

Grounding: All metal parts of the antenna as well as the inner conductor and the mounting kit are DC grounded.

Environmental conditions: Kathrein cellular antennas are designed to operate under the environmental conditions as described in ETS 300 019-1-4 class 4.1 E.
The antennas exceed this standard with regard to the following items:
– Low temperature: –55 °C
– High temperature (dry): +60 °C

Environmental tests: Kathrein antennas have passed environmental tests as recommended in ETS 300 019-2-4. The homogenous design of Kathrein's antenna families use identical modules and materials. Extensive tests have been performed on typical samples and modules.

Please note: **As a result of more stringent legal regulations and judgements regarding product liability, we are obliged to point out certain risks that may arise when products are used under extraordinary operating conditions.**

The mechanical design is based on the environmental conditions as stipulated in ETS 300 019-1-4, which includes the static mechanical load imposed on an antenna by wind at maximum velocity.
Extraordinary operating conditions, such as heavy icing or exceptional dynamic stress (e.g. strain caused by oscillating support structures), may result in the breakage of an antenna or even cause it to fall to the ground. These facts must be considered during the site planning process.

The installation team must be properly qualified and also be familiar with the relevant national safety regulations.
The details given in our data sheets have to be followed carefully when installing the antennas and accessories.
The limits for the coupling torque of RF-connectors, recommended by the connector manufacturers must be obeyed.

Any previous datasheet issues have now become invalid.

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