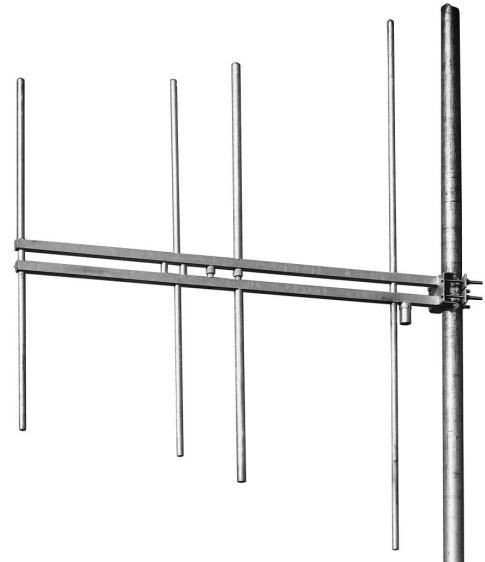


Richtantenne 68 – 87,5 MHz K 53 17 41

- 4-Element-Yagi-Antenne mit großer Bandbreite.
- Gewinn 6 dB.

Typ Nr.	K 53 17 41
Eingang	N-Buchse
Frequenzbereich	68 – 87,5 MHz
VSWR	< 1,5
Gewinn (bez. $\lambda/2$ -Dipol)	6 dB
Impedanz	50 Ω
Polarisation	vertikal
Max. Belastung	100 W (bei 50 °C Umgebungstemperatur)
Gewicht	22 kg
Windlast	520 N (bei v = 150 km/h)
Max. Windgeschwindigkeit	180 km/h
Verpackungsgröße	2424 x 2118 x 182 mm
Höhe	ca. 2380 mm
Yagi-Länge	ca. 2030 mm

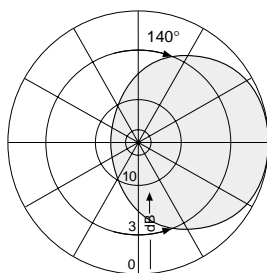


Material: Feuerverzinktes Stahlrohr.
Alle Schrauben und Muttern: Rostfreier Stahl.

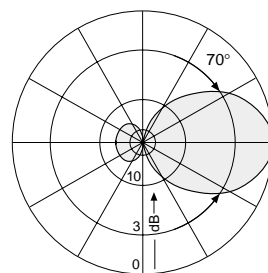
Befestigung: An Rohrmasten von 60 – 115 mm \varnothing über mitgelieferte Schellen.

Blitzschutz: Atmosphärische Entladungen werden abgeleitet, da alle Metallteile der Antenne und der mitgelieferten Befestigungsvorrichtungen an Masse liegen. Der Innenleiter ist kapazitiv angekoppelt.

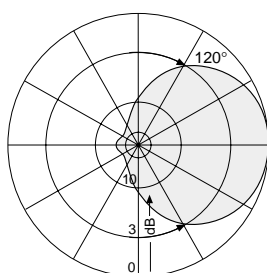
Strahlungsdiagramme bei verschiedenen Frequenzen:



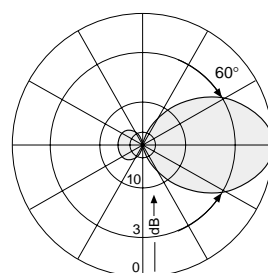
Horizontal 69 MHz



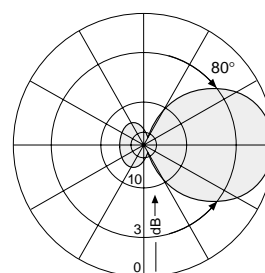
Vertikal 69 MHz



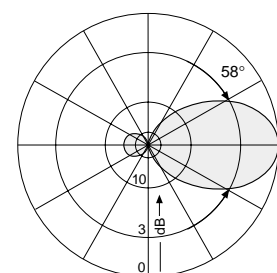
Horizontal 77 MHz



Vertikal 77 MHz



Horizontal 86 MHz



Vertikal 86 MHz

936.460/b Änderungen vorbehalten.

Directional Antenna

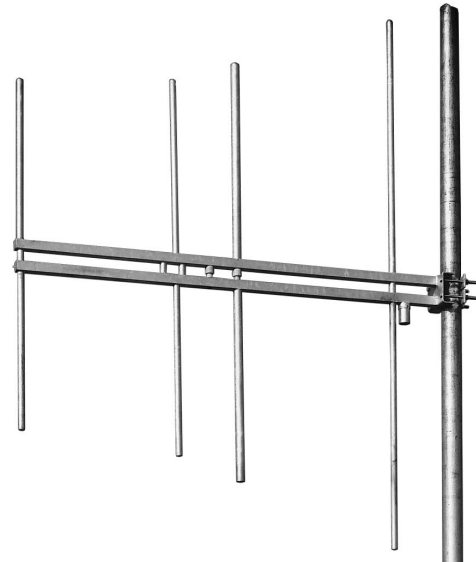
68 – 87.5 MHz

K 53 17 41

KATHREIN
Antennen · Electronic

- 4-element Yagi antenna, large bandwidth.
- Hot-dip galvanized steel.
- Gain 6 dB.

Type No.	K 53 17 41
Input	N female
Frequency range	68 – 87.5 MHz
VSWR	< 1.5
Gain (ref. $\lambda/2$ dipole)	6 dB
Impedance	50 Ω
Polarization	Vertical
Max. power	100 W (at 50 °C ambient temperature)
Weight	22 kg
Wind load	520 N (at 150 km/h)
Max. wind velocity	180 km/h
Packing size	2424 x 2118 x 182 mm
Height	appr. 2380 mm
Yagi length	appr. 2030 mm

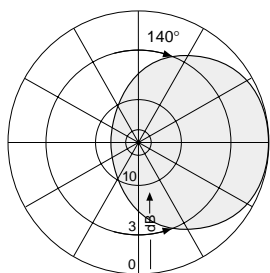


Material: Hot-dip galvanized steel.
All screws and nuts: Stainless steel.

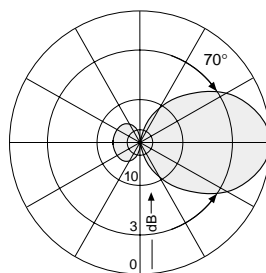
Mounting: On masts from 60 – 115 mm diameter, clamps supplied.

Grounding: All metal parts of the antenna including the mounting kit are DC grounded.
The inner conductor is coupled capacitively.

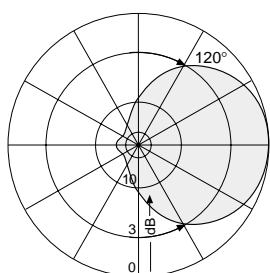
Radiation patterns at different frequencies:



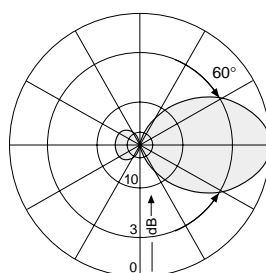
Horizontal 69 MHz



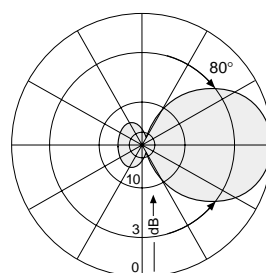
Vertical 69 MHz



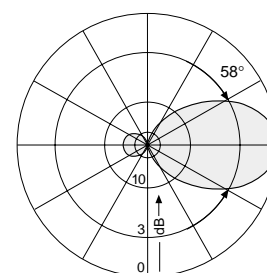
Horizontal 77 MHz



Vertical 77 MHz



Horizontal 86 MHz



Vertical 86 MHz