

The Kathrein Scala Division CA5-300 five-element yagi antenna is intended for use in professional fixed-station applications in the 216–398 MHz band. It features:

- Balanced driven element for superior performance in icing conditions.
- Internal balun and dipole feedpoint sealed within the boom assembly.
- Heavy wall anodized aluminum pipe and tubing.
- Heavy aluminum castings and stainless steel hardware.
- Entire antenna at DC ground potential.

Specifications:

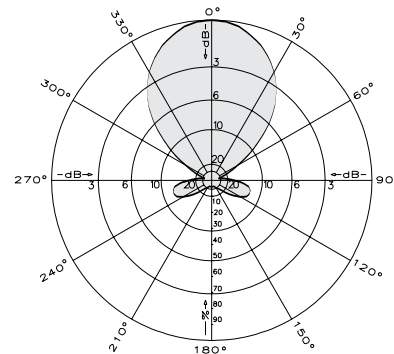
| | |
|----------------------------|--|
| Frequency range | 216–398 MHz (specify frequency) |
| Gain | 12 dBi |
| Impedance | 50 ohms |
| VSWR | <1.3:1 |
| Polarization | Horizontal or vertical |
| Front-to-back ratio | >18 dB |
| Maximum input power | 100 watts |
| H-plane beamwidth | 70 degrees (half-power) |
| E-plane beamwidth | 52 degrees (half-power) |
| Connector | N female |
| Weight | 9 lb (4.1 kg) (maximum) |
| Dimensions | 52.8 x 26.8 inches (maximum) (1341 x 681 mm) |
| Equivalent flat plate area | 0.85 ft ² (0.079 m ²) (maximum) |
| Wind survival rating* | 120 mph (200 kph) |
| Shipping dimensions | 56 x 30 x 6 inches (maximum) (1422 x 762 x 152 mm) |
| Shipping weight | 13 lb (5.9 kg) |
| Mounting | For masts of 2.375 inches (60 mm) OD. |

* 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.

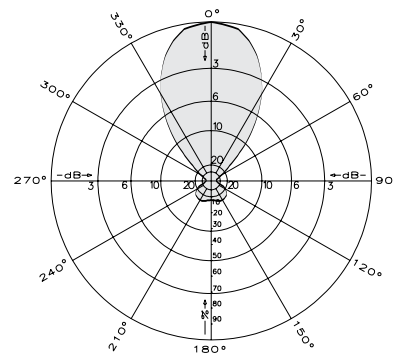
Contact Kathrein Kathrein Scala Division Division Customer Service for detailed order information.



(Shown vertically polarized)



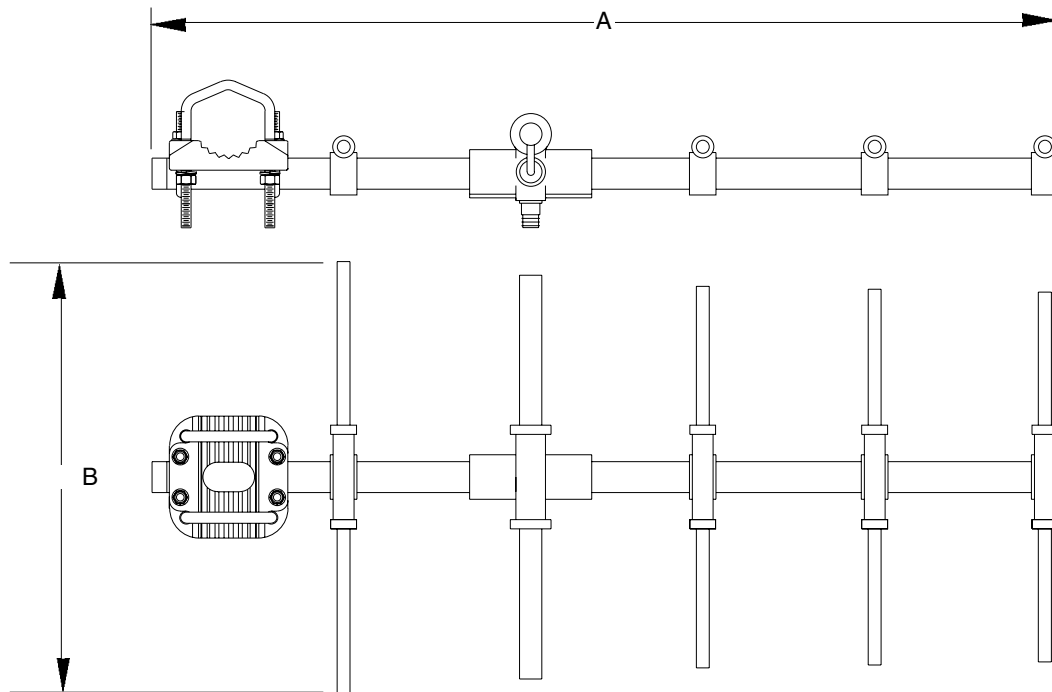
H-plane
Horizontal pattern – V-polarization
Vertical pattern – H-polarization



E-plane
Horizontal pattern – H-polarization
Vertical pattern – V-polarization



10104-B



(Shown vertically polarized)

| Dimensions: | | A | B |
|--------------------|---------|--------------------------|-------------------------|
| Frequency | 216 MHz | 52.8 inches (1341 mm) | 26.8 inches (681 mm) |
| | 398 MHz | 31.8 inches (806 mm) | 14.5 inches (367 mm) |

Order Information:

Contact Kathrein Scala Division Customer Service for detailed order information.

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

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