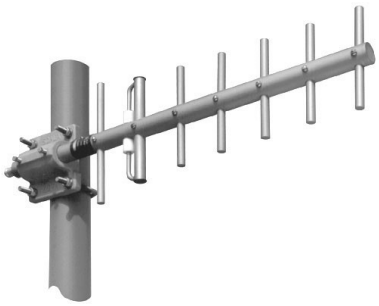
SCALA
A Kathrein Broadcast Brand

# TY-777
## YAGI ANTENNA
## 746-806 MHz

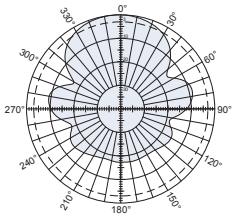
The Scala TY-777 is a rugged broadband yagi antenna fabricated of aluminum rod and extruded pipe, anodized for maximum reliability and corrosion resistance. The hardware and fastenings are stainless steel. The internal balun, coax feed and connector are sealed in a foam potting system to prevent moisture penetration and assure long service life in severe environmental conditions. The heavy aluminum mounting casting allows installation for V or H polarization.



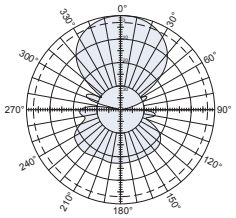
(Shown vertically polarized)

| Specifications | |
|---|---|
| Frequency range | 746-806 MHz |
| Gain | 8.3 dBd (10.45 dBi) |
| Impedance | 50 ohms |
| VSWR | <1.5:1 maximum (1.35:1 typical) |
| Polarization | Horizontal or vertical |
| Front-to-back ratio | >16 dB |
| Maximum input power | 100 watts (at 50°C) |
| H-plane beamwidth | 62 degrees (half-power) |
| E-plane beamwidth | 49 degrees (half-power) |
| Connector | N female |
| Weight | 3.1 lb (1.4 kg) |
| Dimensions | 25.6 x 9 inches (650 x 229 mm) |
| Wind load at 93 mph (150 kph) Front / Side | 3 lbf / 4 lbf (11 N / 17 N) |
| Wind survival rating* | 150 mph (241 kph) |
| Shipping dimensions | 28 x 10 x 4.5 inches (maximum) (711 x 254 x 114 mm) |
| Shipping weight | 5.5 lb (2.5 kg) |
| Mounting | For masts of 1.5 to 2.375 inch (32 to 60 mm) OD. |

* 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. Contact KBU or further details.




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




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

30030a subject to alteration



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

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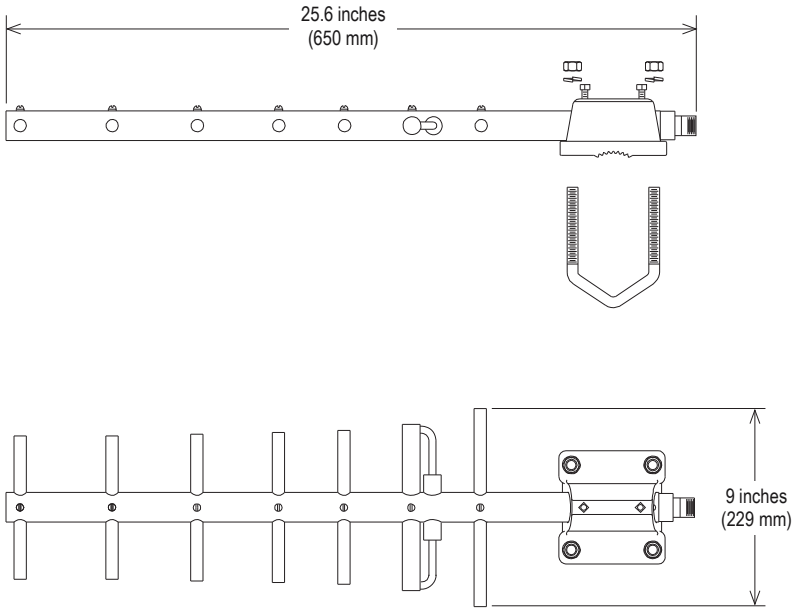


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