Band II “V” dipoles circular polarization antenna system ● Side-mounted installation

Electrical Specifications

- **Frequency range**: 87.5-108 MHz
- **Peak gain**: -0.1 dB (ref. λ/2 dipole, free space) / 1.1 dB (ref. λ/2 dipole, with pole)
- **3 dB beam width**: Horizontal: 268º / Vertical: 97º
- **Polarization**: Circular
- **Impedance**: 50 Ohm
- **VSWR**: ≤1.4:1
- **Maximum power handling**: 2.5 kW / 5 kW / 7 kW
- **Connector type**: DIN 7/16 / EIA 7/8” / DIN 13/30
- **Pressurization**: Non pressurized / Gas barrier on input connector / Fully pressurized as an option

Mechanical & Environmental Specifications

- **Materials**
  - Structure: Hot dip galvanized steel / PVC
  - Feed point radome
- **Dimensions (W x D x H)**: 1191 x 1528 x 1191 mm
- **Maximum wind speed**: 200 km/h
- **Wind load**: 305 N (@160 km/h)
- **Weight**: 20 kg
- **Clamp type**: To Ø 80 – 115 mm pipe
- **Vertical spacing**: 0.75 λ – 0.9 λ, typical
- **Grounding**: DC grounded
- **Temperature range**: -40°C to +80°C
- **Humidity**: 100%

Antenna System Characteristics

<table>
<thead>
<tr>
<th>Number of Bays</th>
<th>Number ant. per bay</th>
<th>Peak gain (dBi)</th>
<th>Weight (kg)</th>
<th>Wind load (@160 km/h)</th>
<th>System height (mm)</th>
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<tr>
<td>1</td>
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<td>1.1</td>
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</tbody>
</table>

Optional accessories

- Tuned to 10 MHz bandwidth with VSWR 1.2:1
- Stainless steel construction

NOTES:
- Radiation patterns and gain values at the table are including the effect of supporting pole
- Null fill, beam tilt, harness & feeder losses NOT INCLUDED
- Wind load & weight figures without considering cables, splitters & hardware