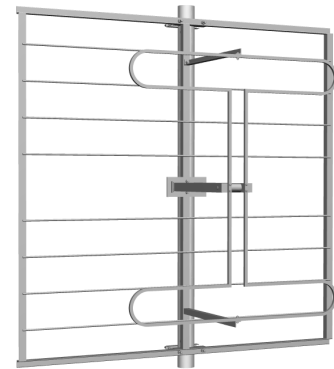


Band III 2 dipoles horizontal polarization panel • Especially suitable for square masts  
Light construction

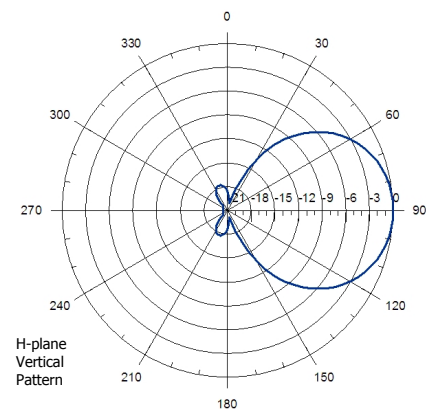
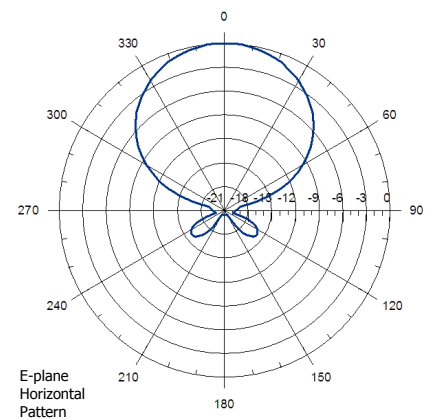
### Electrical Specifications

|                                  |                                  |              |
|----------------------------------|----------------------------------|--------------|
| Frequency range                  | 174-230 MHz                      |              |
| Peak gain                        | 7.5 dB (ref. $\lambda/2$ dipole) |              |
| 3 dB beam width                  | E-plane: 66°                     | H-plane: 61° |
| Polarization                     | Horizontal                       |              |
| Impedance                        | 50 Ohm                           |              |
| VSWR                             | ≤ 1.15:1                         |              |
| Maximum power handling peak sync | 2 kW                             |              |
| Maximum power handling RMS       | 1.4 kW                           |              |
| Connector type                   | DIN 7/16                         |              |
| Pressurization                   | Non pressurized                  |              |



### Mechanical & Environmental Specifications

|                        |                          |  |
|------------------------|--------------------------|--|
| Materials              | Reflector & dipoles      | Hot dip galvanized steel<br>(aluminium construction as option) |
|                        | Isolators                | PTFE   |
| Dimensions (W x D x H) | 1200 x 440 x 1200 mm     |  |
| Maximum wind speed     | 200 km/h                 |  |
| Wind load (front)      | 455 N (@160 km/h)        |  |
| Wind load (lateral)    | 240 N (@160 km/h)        |  |
| Weight                 | 15 kg                    |  |
| Typical mounting       | Square arrangement tower |  |
| Clamp type             | To Ø 50 – 70 mm pipe     |  |
| Vertical spacing       | 1600 mm                  |  |
| Grounding              | DC grounded              |  |
| Temperature range      | -40°C to +80°C           |  |
| Humidity               | 100%                     |  |



#### NOTES:

- Table supplies data up to 8 bays only for simplification purposes; systems with more bays are available.
- Null fill, beam tilt, harness & feeder losses NOT INCLUDED.
- Wind load & weight figures without considering cables, splitters & hardware.

### Antenna System Characteristics

| Number of Bays | Number ant. per bay | Peak gain (dBd) | Weight (kg) | Wind load (@160 km/h) | System height (mm) |
|----------------|---------------------|-----------------|-------------|-----------------------|--------------------|
| 1              | 2                   | 5.5             | 30          | 0.7 kN                | 1200               |
|                | 3                   | 3.7             | 45          | 0.9 kN                |                    |
|                | 4                   | 2.5             | 60          | 1.2 kN                |                    |
| 2              | 2                   | 8.5             | 60          | 1.4 kN                | 2800               |
|                | 3                   | 6.7             | 90          | 1.9 kN                |                    |
|                | 4                   | 5.5             | 120         | 2.3 kN                |                    |
| 4              | 2                   | 11.5            | 120         | 2.8 kN                | 6000               |
|                | 3                   | 9.7             | 180         | 3.7 kN                |                    |
|                | 4                   | 8.5             | 240         | 4.7 kN                |                    |
| 6              | 2                   | 13.3            | 180         | 4.2 kN                | 9200               |
|                | 3                   | 11.5            | 270         | 5.6 kN                |                    |
|                | 4                   | 10.3            | 360         | 7.0 kN                |                    |
| 8              | 2                   | 14.5            | 240         | 5.6 kN                | 12400              |
|                | 3                   | 12.7            | 360         | 7.5 kN                |                    |
|                | 4                   | 11.5            | 480         | 9.3 kN                |                    |