

## Y200B series

### FM Radio broadcast Yagi's

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The Y200B series yagis are specifically designed and manufactured for FM radio broadcast or receive.

Mounting hardware, coaxial feeder cable, connectors and other installation accessories are all available separately.

| Specifications                     | Y202B   | Y203B              | Y204B              | Y206B              |       |
|------------------------------------|---|--------------------|--------------------|--------------------|-------|
| Construction                       | Aluminium or add SS for 304 grade stainless steel                             |                    |                    |                    |       |
| Frequency range                    | FM Radio 87.5-108MHz  |                    |                    |                    |       |
| Bandwidth                          | Specify any 4MHz when ordering  |                    |                    |                    |       |
| Tuning                             | Factory   |                    |                    |                    |       |
| VSWR                               | <1.2:1 across specified bandwidth   |                    |                    |                    |       |
| Number of elements                 | 2   | 3                  | 4                  | 6                  |       |
| Gain - nominal                     | 3dBd  | 6dBd               | 7.5dBd             | 9dBd               |       |
| Polarisation                       | Mount <b>horizontal</b> or <b>vertical</b> as required                        |                    |                    |                    |       |
| Maximum power                      | 250 Watts   |                    |                    |                    |       |
| Impedance                          | 50 Ohms   |                    |                    |                    |       |
| H Plane - at 3dBd                  | 135°  | 76°                | 62°                | 50°                |       |
| E Plane - at 3dBd                  | 70°   | 57°                | 54°                | 46°                |       |
| Front-to-back ratio                | 15 dB   | 14 dB              | 14 dB              | 16 dB              |       |
| Connector                          | N-type female fitted to 1.4 metres RG213 - or specify requirements            |                    |                    |                    |       |
| Boom length at 88MHz               | 1.8 metres  | 2.7 metres         | 3.5 metres         | 5.0 metres         |       |
| Weight                             | Aluminium   | 3.2kg              | 4.0kg              | 5.5kg              | 7.0kg |
|                                    | Stainless steel   | 4.0kg              | 5.0kg              | 6.9kg              | 8.8kg |
| Projected area                     | 0.137m <sup>2</sup>   | 0.28m <sup>2</sup> | 0.30m <sup>2</sup> | 0.34m <sup>2</sup> |       |
| Wind load at 160kph                | 16kg  | 33kg               | 36kg               | 41kg               |       |
| Strut kit - <u>recommended</u>     | YS1-23 - single tension or YS2-23 - dual tension (order separately)           |                    |                    |                    |       |
| Mounting hardware (order separate) | Aluminium: 1 x Y2300 + strut kit<br>Stainless steel: 1 x Y2300-SS + strut kit |                    |                    |                    |       |
| Warranty                           | 2 Years   |                    |                    |                    |       |

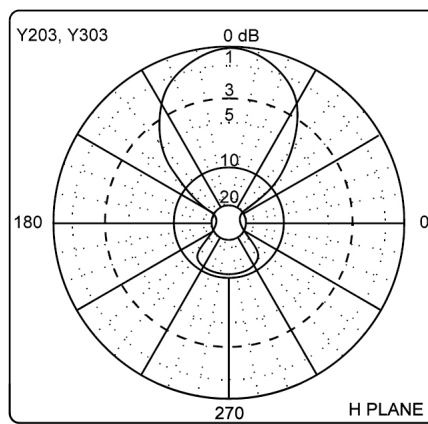
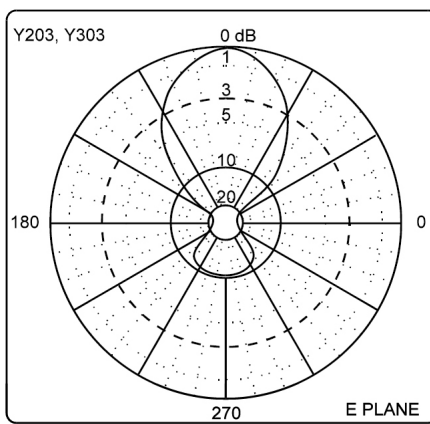


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### Y203B, 3 Element



### Y206B, 6 Element

