

## W 200 - 4 Ohm



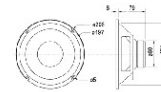
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**20 cm (8") woofer** with very good price/performance ratio. Suitable for simple 2-way speakers and car rear tray systems. Especially suited as replacement driver for many HiFi speakers.

### Technical Data

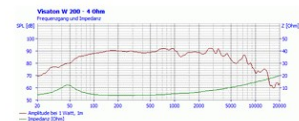
|   |                         |
|---|-------------------------|
| Rated power   | 50 W                    |
| Maximum power   | 80 W                    |
| Nominal impedance Z   | 4 Ohm                   |
| Frequency response  | f <sub>u</sub> -8000 Hz |
| (f <sub>u</sub> : Lower cut-off frequency depending on cabinet) | -                       |
| Mean sound pressure level                                       | 88 dB (1 W/1 m)         |
| Opening angle (-6 dB)   | 49°/4000 Hz             |
| Excursion limit   | +/- 10 mm               |
| Resonance frequency f <sub>s</sub>                              | 45 Hz                   |
| Magnetic induction  | 1,0 T                   |
| Magnetic flux   | 400 μWb                 |
| Height of front pole-plate                                      | 5 mm                    |
| Voice coil diameter   | 25 mm                   |
| Height of winding   | 9 mm                    |
| Cutout diameter   | 185 mm                  |
| Net weight  | 1,045 kg                |
| D.C. resistance R <sub>dc</sub>                                 | 3,2 Ohm                 |
| Mechanical Q factor Q <sub>ms</sub>                             | 3,46                    |
| Electrical Q factor Q <sub>es</sub>                             | 0,77                    |
| Total Q factor Q <sub>ts</sub>                                  | 0,63                    |
| Equivalent volume V <sub>as</sub>                               | 54                      |
| Effective piston area S <sub>d</sub>                            | 207 cm <sup>2</sup>     |
| Dynamically moved mass M <sub>ms</sub>                          | 14 g                    |
| Force factor B <sub>xl</sub>                                    | 4,2 Tm                  |
| Inductance of the voice coil L                                  | 0,5 mH                  |

### sketch



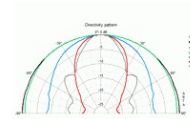
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### frequency- and impedance response



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### directivity pattern



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