

**8FG51** 8 Ω

Woofer

- 500 W continuous program power capacity
- 51 mm (2 in) copper voice coil
- 50 - 4000 Hz response
- 93 dB sensitivity
- Shorting copper cap for extended HF response
- Ventilated voice coil gap for reduced power compression



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## SPECIFICATIONS

|                                                                                                                                                     |                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Nominal Diameter                                                                                                                                    | <b>200 mm (8 in)</b>            |
| Nominal Impedance                                                                                                                                   | <b>8 Ω</b>                      |
| Minimum Impedance                                                                                                                                   | <b>6.5 Ω</b>                    |
| Nominal Power Handling                                                                                                                              | <b>250 W</b>                    |
| 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air. |                                 |
| Continuous Power Handling                                                                                                                           | <b>500 W</b>                    |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                     |                                 |
| Sensitivity                                                                                                                                         | <b>93 dB</b>                    |
| Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.                                                                                  |                                 |
| Frequency Range                                                                                                                                     | <b>50 Hz - 4000 Hz</b>          |
| Voice Coil Diameter                                                                                                                                 | <b>51 mm (2 in)</b>             |
| Winding Material                                                                                                                                    | <b>Copper</b>                   |
| Former Material                                                                                                                                     | <b>Glass Fibre</b>              |
| Winding Depth                                                                                                                                       | <b>17 mm (0.65 in)</b>          |
| Magnetic Gap Depth                                                                                                                                  | <b>8 mm (0.31 in)</b>           |
| Flux Density                                                                                                                                        | <b>1.15 T</b>                   |
| Woofer Cone Treatment                                                                                                                               | <b>WP Waterproof Front Side</b> |

## PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

|                  |                                                 |
|------------------|-------------------------------------------------|
| Fs               | <b>49 Hz</b>                                    |
| Re               | <b>5.1 Ω</b>                                    |
| Qes              | <b>0.34</b>                                     |
| Qms              | <b>9</b>                                        |
| Qts              | <b>0.32</b>                                     |
| Vas              | <b>20 dm<sup>3</sup> (0.71 ft<sup>3</sup>)</b>  |
| Sd               | <b>220 cm<sup>2</sup> (34.1 in<sup>2</sup>)</b> |
| η <sub>0</sub>   | <b>0.7 %</b>                                    |
| X <sub>max</sub> | <b>6.5 mm</b>                                   |
| X <sub>var</sub> | <b>8 mm</b>                                     |
| M <sub>ms</sub>  | <b>35 g</b>                                     |
| Bl               | <b>12.9 Tm</b>                                  |
| Le               | <b>0.5 mH</b>                                   |
| EBP              | <b>144 Hz</b>                                   |

## DESIGN

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Surround Shape        | <b>Roll</b>                                   |
| Cone Shape            | <b>Exponential</b>                            |
| Magnet Material       | <b>Ferrite</b>                                |
| Spider                | <b>Single</b>                                 |
| Pole Design           | <b>T-Pole</b>                                 |
| Woofer Cone Treatment | <b>WP Waterproof Front Side</b>               |
| Recommended Enclosure | <b>17 dm<sup>3</sup> (0.6 ft<sup>3</sup>)</b> |
| Recommended Tuning    | <b>52 Hz</b>                                  |

## MOUNTING AND SHIPPING INFO

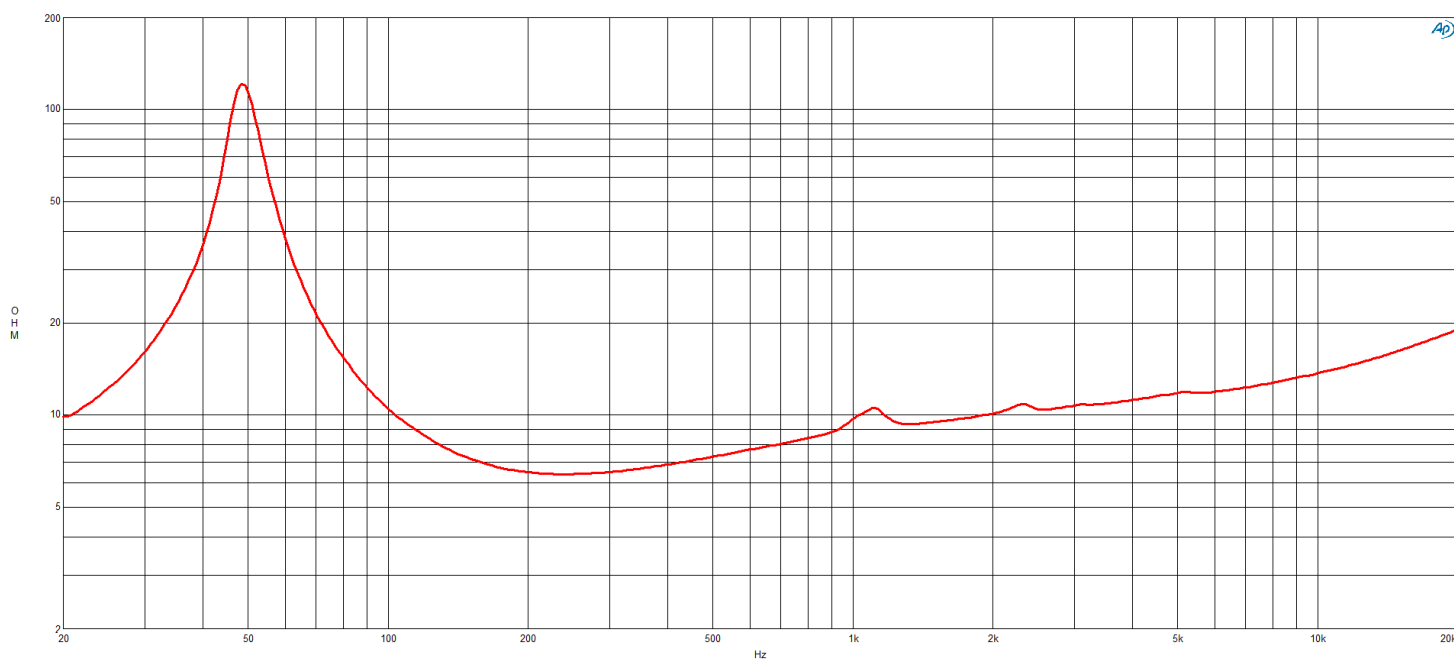
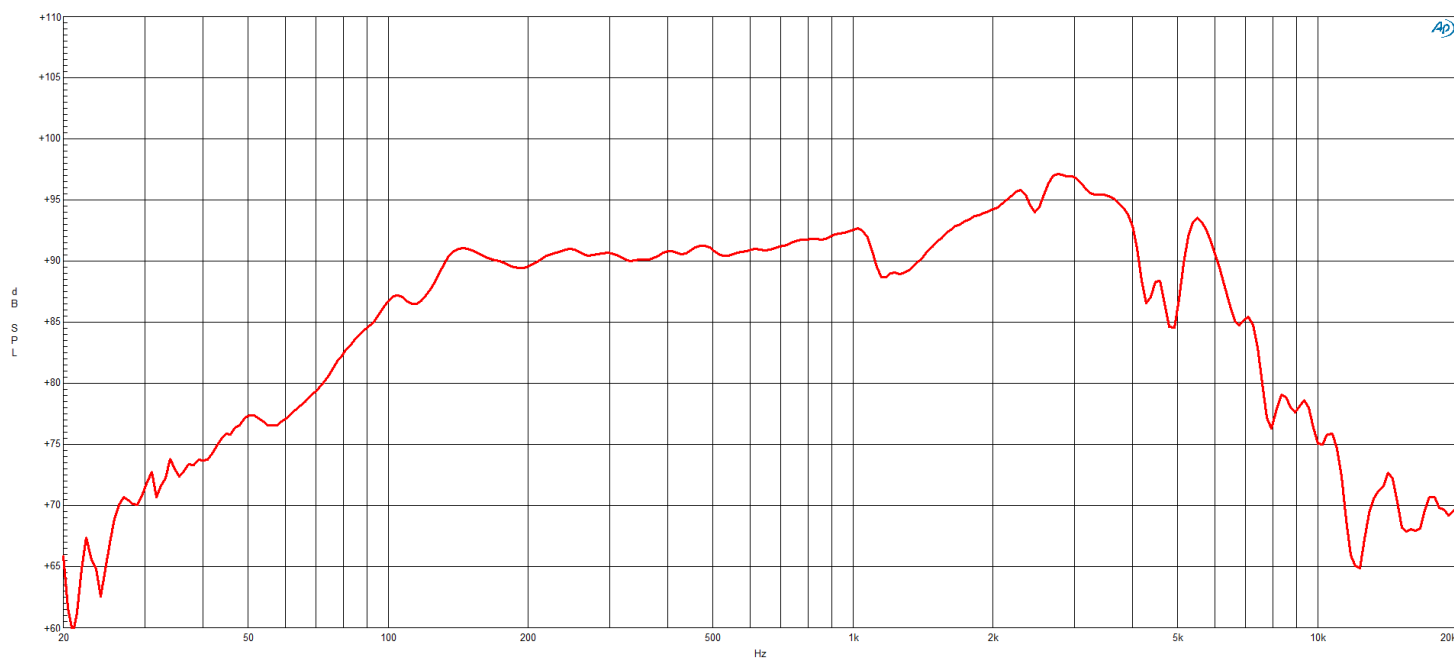
|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Overall Diameter              | <b>225 mm (8.8 in)</b>                          |
| Bolt Circle Diameter          | <b>210 mm (8.3 in)</b>                          |
| Baffle Cutout Diameter        | <b>187 mm (7.4 in)</b>                          |
| Depth                         | <b>93 mm (3.7 in)</b>                           |
| Flange and Gasket Thickness   | <b>11 mm (0.43 in)</b>                          |
| Air Volume Occupied by Driver | <b>1.5 dm<sup>3</sup> (0.05 ft<sup>3</sup>)</b> |
| Net Weight                    | <b>3.4 kg (7.5 lb)</b>                          |
| Shipping Units                | <b>1 pcs</b>                                    |
| Shipping Weight               | <b>3.85 kg (8.49 lb)</b>                        |
| Shipping Box                  | <b>255x255x150 mm (10.04x10.04x5.91 in)</b>     |

## SERVICE KITS

|                |                    |
|----------------|--------------------|
| LF recone-kits | <b>RCK008FG518</b> |
|----------------|--------------------|

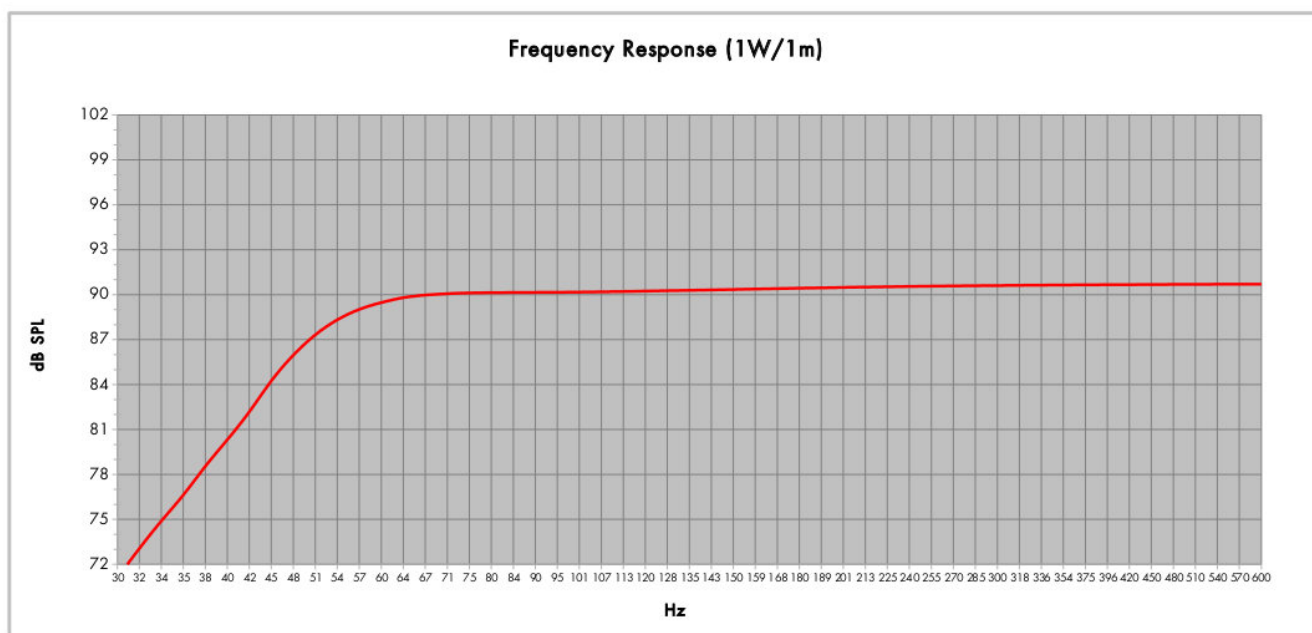
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|                               |                    |                               |                   |
|-------------------------------|--------------------|-------------------------------|-------------------|
| Model:                        | <b>8FG51</b>       | Configuration:                | <b>One Driver</b> |
| Enclosure Type:               | <b>Bass Reflex</b> |                               |                   |
| Internal Net Volume (Litres): | <b>17</b>          | QB:                           | <b>7</b>          |
| Tuning Frequency (Hz):        | <b>52</b>          | Port Area (cm <sup>2</sup> ): | <b>30,4</b>       |
| Frequency (-3 dB) (Hz):       | <b>52,3</b>        | Port Length (cm):             | <b>14,5</b>       |

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