

**6MDN44** 8 Ω

Midrange

- 400 W continuous program power capacity
- 44 mm (1.7 in) aluminium voice coil
- 150 - 6000 Hz response
- 96.5 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium demodulating ring for very low distortion
- Ventilated voice coil gap for reduced power compression



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### SPECIFICATIONS

Nominal Diameter	<b>170 mm (6.5 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.5 Ω</b>
Nominal Power Handling	<b>200 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>400 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>96.5 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>150 Hz - 6000 Hz</b>
Voice Coil Diameter	<b>44 mm (1.7 in)</b>
Winding Material	<b>Aluminium</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>10 mm (0.37 in)</b>
Magnetic Gap Depth	<b>6 mm (0.25 in)</b>
Flux Density	<b>1.45 T</b>
Woofers 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>140 Hz</b>
Re	<b>5.4 Ω</b>
Qes	<b>0.46</b>
Qms	<b>2.8</b>
Qts	<b>0.4</b>
Vas	<b>2.7 dm<sup>3</sup> (0.09 ft<sup>3</sup>)</b>
Sd	<b>132 cm<sup>2</sup> (20.5 in<sup>2</sup>)</b>
η <sub>0</sub>	<b>1.6 %</b>
X <sub>max</sub>	<b>2.5 mm</b>
X <sub>var</sub>	<b>3 mm</b>
M <sub>ms</sub>	<b>11 g</b>
Bl	<b>11 Tm</b>
Le	<b>0.47 mH</b>
EBP	<b>304 Hz</b>

### DESIGN

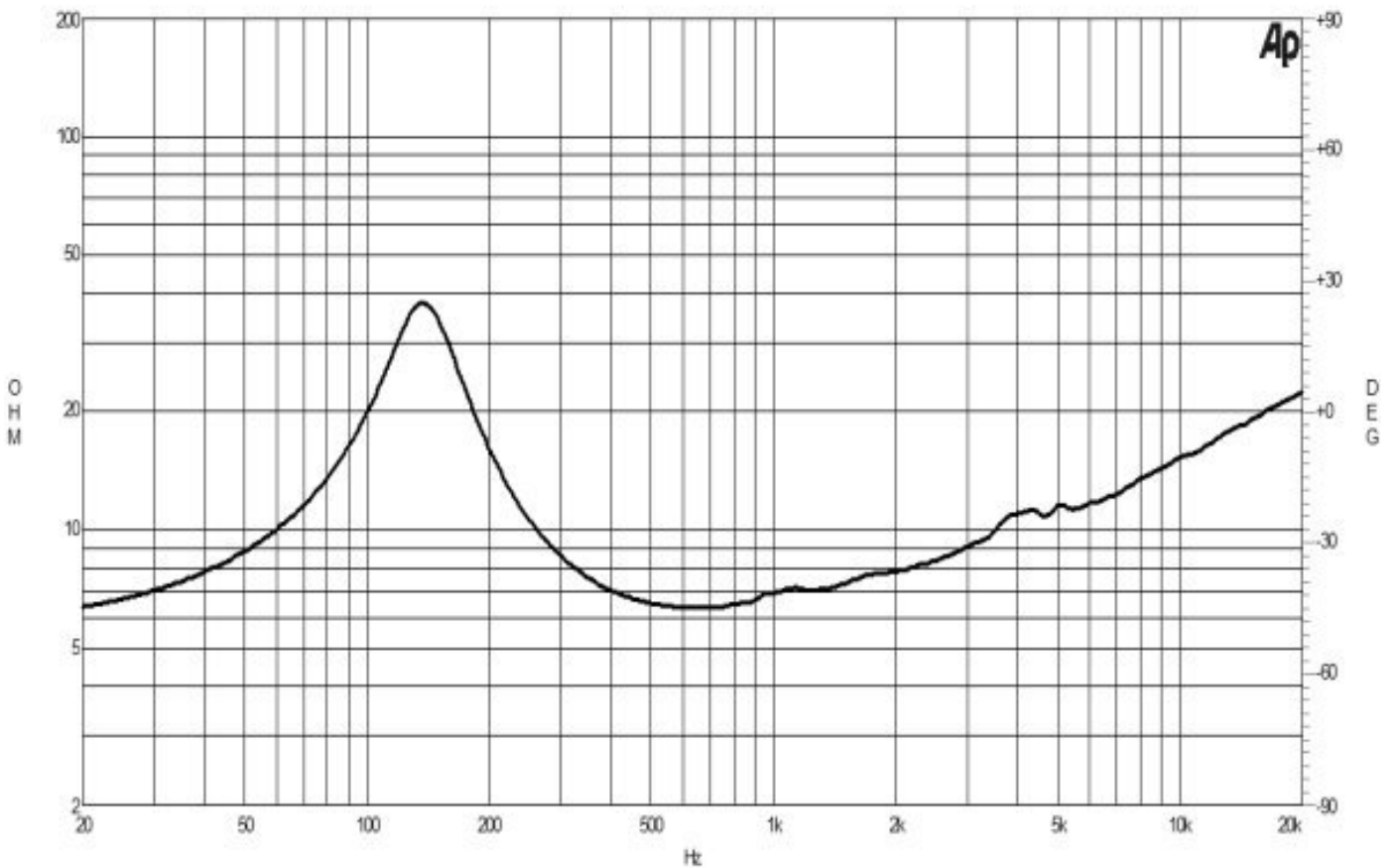
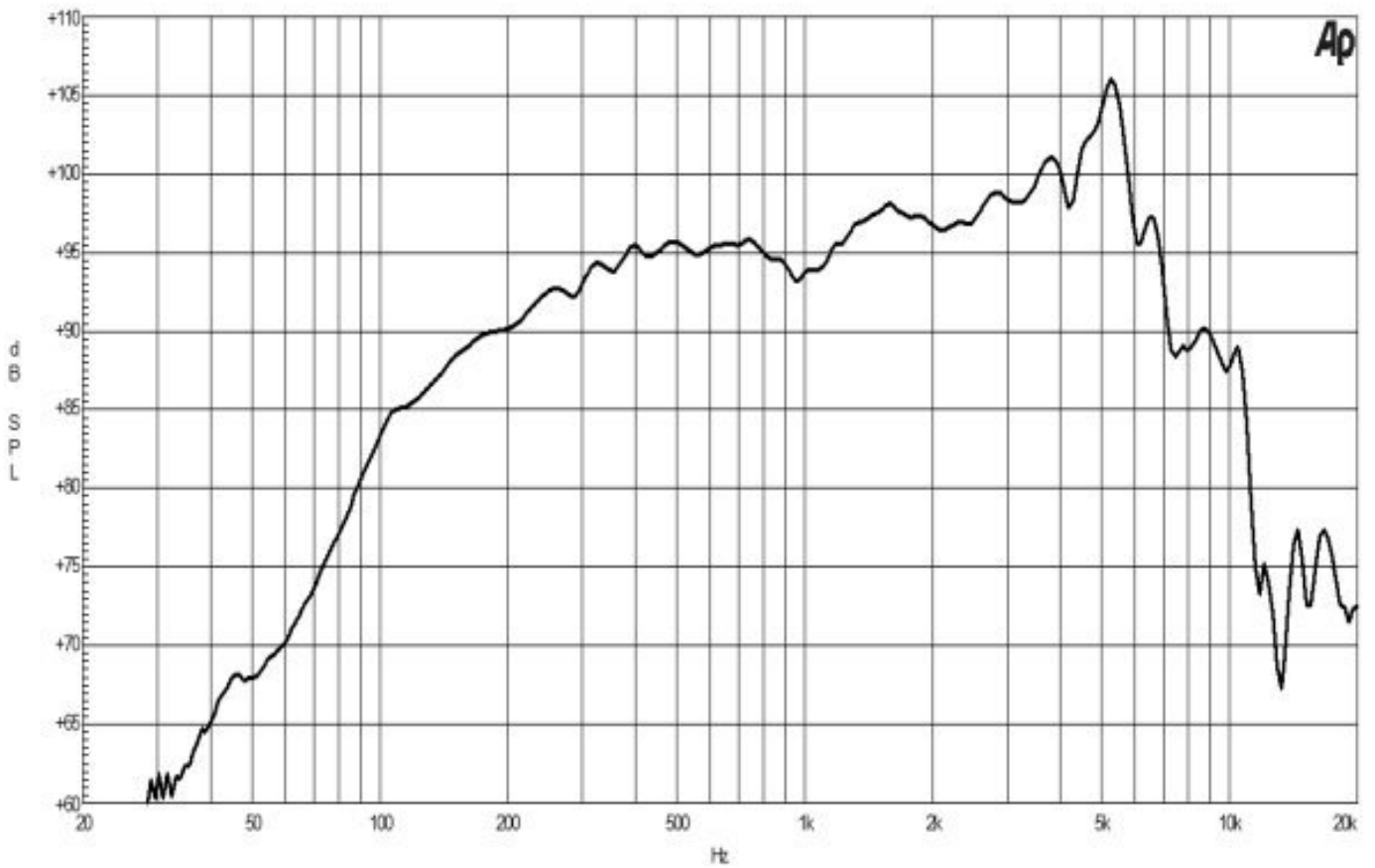
Surround Shape	<b>Triple Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Neodymium Ring</b>
Spider	<b>Single</b>
Pole Design	<b>T-Pole</b>
Woofers Cone Treatment	<b>WP Waterproof Front Side</b>

### MOUNTING AND SHIPPING INFO

Overall Diameter	<b>187 mm (7.4 in)</b>
Bolt Circle Diameter	<b>172 mm (6.7 in)</b>
Baffle Cutout Diameter	<b>145 mm (5.7 in)</b>
Depth	<b>73 mm (2.9 in)</b>
Flange and Gasket Thickness	<b>11 mm (0.4 in)</b>
Air Volume Occupied by Driver	<b>0.6 dm<sup>3</sup> (0.02 ft<sup>3</sup>)</b>
Net Weight	<b>1 kg (1.2 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>1.2 kg (2.65 lb)</b>
Shipping Box	<b>210x210x125 mm (8.27x8.27x4.92 in)</b>

### SERVICE KITS

LF recone-kits	<b>RCK06MDN448</b>
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