

**12FW64** 8 Ω

Woofer

- 500 W continuous program power capacity
- 64 mm (2.5 in) aluminium voice coil
- 55 - 3000 Hz response
- 98 dB sensitivity



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# Woofers

## SPECIFICATIONS

Nominal Diameter	<b>320 mm (12 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.7 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>98 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>55 Hz - 3000 Hz</b>
Voice Coil Diameter	<b>64 mm (2.5 in)</b>
Winding Material	<b>Aluminium</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>14 mm (0.55 in)</b>
Magnetic Gap Depth	<b>8 mm (0.31 in)</b>
Flux Density	<b>1.3 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>55 Hz</b>
Re	<b>5.2 Ω</b>
Qes	<b>0.32</b>
Qms	<b>3.5</b>
Qts	<b>0.29</b>
Vas	<b>64 dm<sup>3</sup> (2.26 ft<sup>3</sup>)</b>
Sd	<b>522 cm<sup>2</sup> (80.9 in<sup>2</sup>)</b>
η <sub>0</sub>	<b>3.6 %</b>
X <sub>max</sub>	<b>5 mm</b>
X <sub>var</sub>	<b>5 mm</b>
M <sub>ms</sub>	<b>47 g</b>
Bl	<b>15.5 Tm</b>
Le	<b>1 mH</b>
EBP	<b>172 Hz</b>

## DESIGN

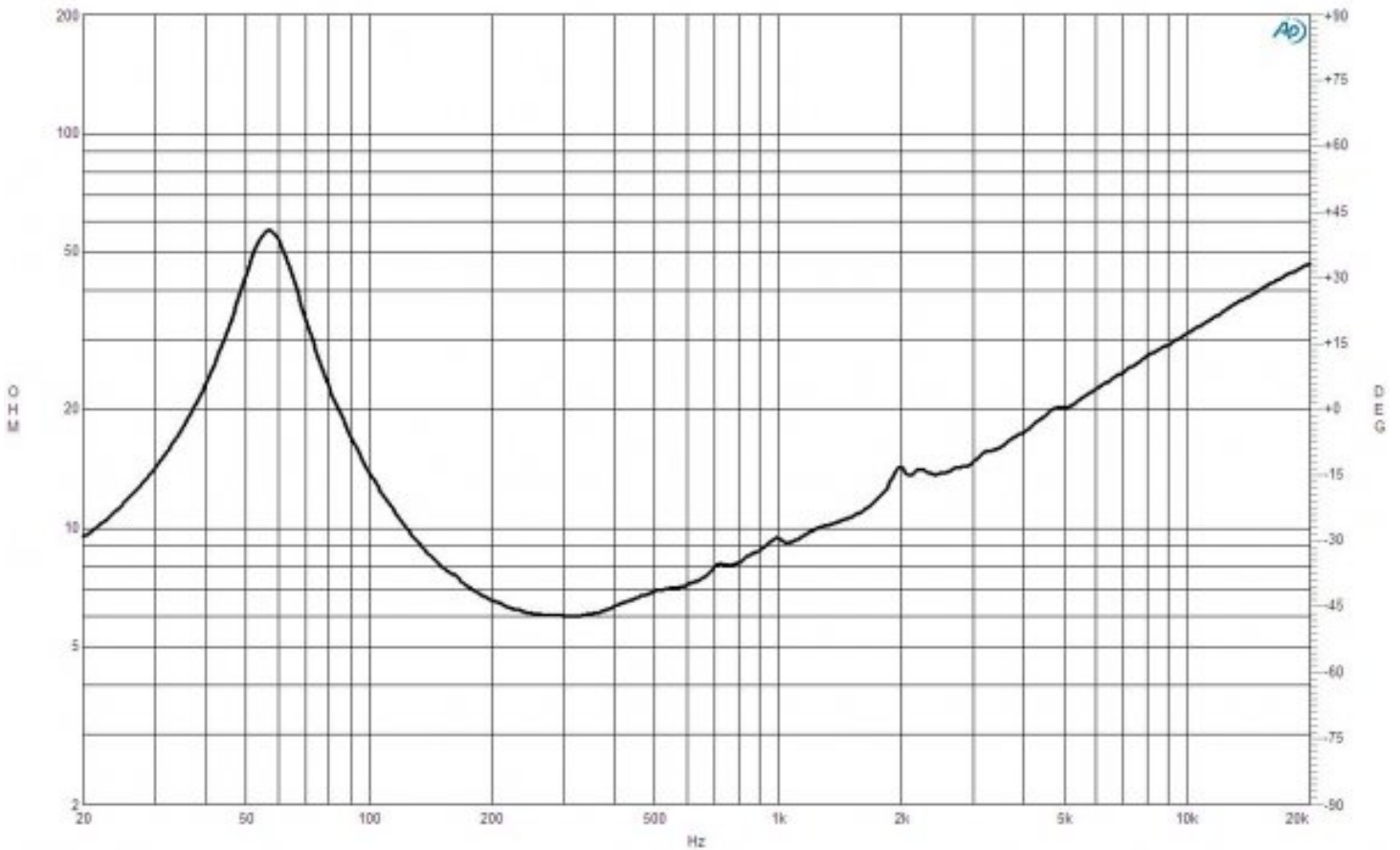
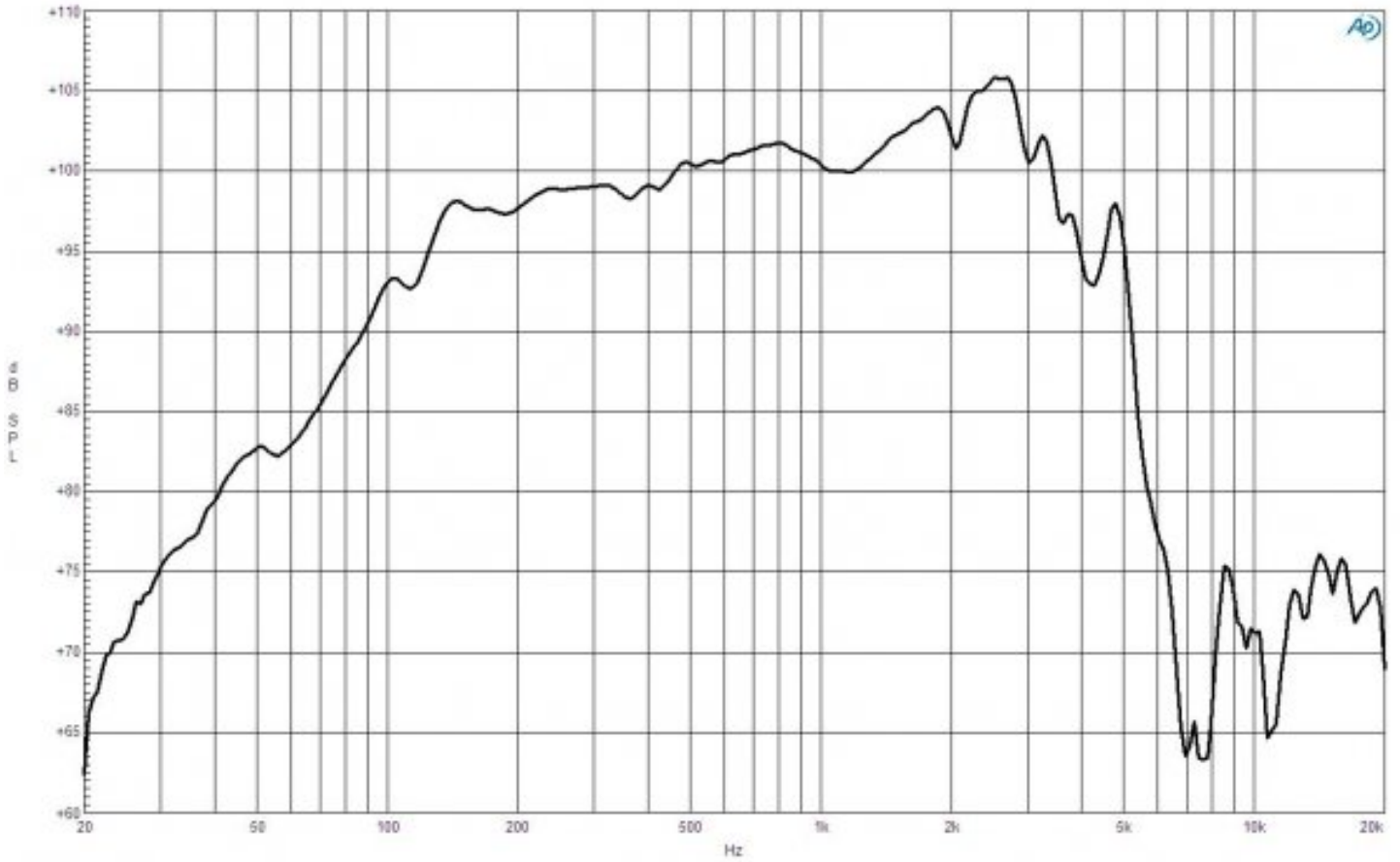
Surround Shape	<b>Double Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Ferrite</b>
Spider	<b>Single</b>
Pole Design	<b>T-Pole</b>
Woofers Cone Treatment	<b>WP Waterproof Front Side</b>
Recommended Enclosure	<b>40 dm<sup>3</sup> (1.4 ft<sup>3</sup>)</b>
Recommended Tuning	<b>55 Hz</b>

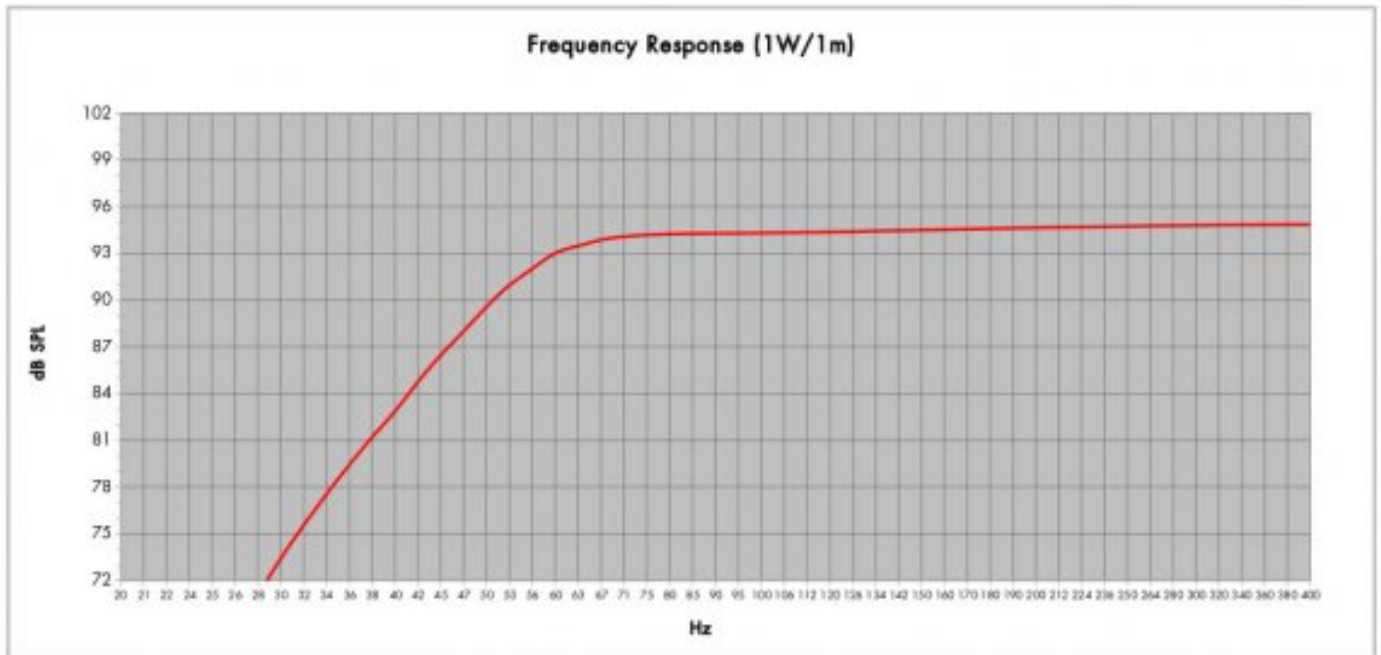
## MOUNTING AND SHIPPING INFO

Overall Diameter	<b>315 mm (12.4 in)</b>
Bolt Circle Diameter	<b>298 mm (11.7 in)</b>
Baffle Cutout Diameter	<b>283 mm (11.1 in)</b>
Depth	<b>136 mm (5.35 in)</b>
Flange and Gasket Thickness	<b>13 mm (0.51 in)</b>
Air Volume Occupied by Driver	<b>3 dm<sup>3</sup> (0.1 ft<sup>3</sup>)</b>
Net Weight	<b>5.65 kg (12.46 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>6.55 kg (14.44 lb)</b>
Shipping Box	<b>360x360x200 mm (14.17x14.17x7.87 in)</b>

## SERVICE KITS

LF recone-kits	<b>RCK12FW648</b>
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Model:	<b>12FW64</b>	Configuration:	<b>One Driver</b>
Enclosure Type:	<b>Bass Reflex</b>		
Internal Net Volume (Litres):	<b>40</b>	QB:	<b>7</b>
Tuning Frequency (Hz):	<b>55</b>	Port Area (cm <sup>2</sup> ):	<b>86,0</b>
Frequency (-3 dB) (Hz):	<b>55,8</b>	Port Length (cm):	<b>12,2</b>

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