

5NDL38 8 Ω

Woofer

- 180 W continuous program power capacity
- 38 mm (1.5 in) aluminium voice coil
- 80 - 7000 Hz response
- 91 dB sensitivity



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SPECIFICATIONS

Nominal Diameter	127 mm (5 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.3 Ω
Nominal Power Handling	90 W
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	180 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	91 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	80 Hz - 7000 Hz
Voice Coil Diameter	38 mm (1.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	10 mm (0.37 in)
Magnetic Gap Depth	6 mm (0.24 in)
Flux Density	1.25 T
Woofer Cone Treatment	WP Waterproof Front Side

PARAMETERS

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

Fs	80 Hz
Re	5.5 Ω
Qes	0.37
Qms	9.2
Qts	0.36
Vas	4.3 dm³ (0.15 ft³)
Sd	95 cm² (14.73 in²)
η ₀	0.55 %
X _{max}	3.5 mm
X _{var}	4 mm
M _{ms}	11 g
Bl	9.2 Tm
Le	0.64 mH
EBP	216 Hz

DESIGN

Surround Shape	Roll
Cone Shape	Exponential
Magnet Material	Neodymium Ring
Spider	Single
Pole Design	Straight Pole
Woofer Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	5 dm³ (0.18 ft³)
Recommended Tuning	80 Hz

MOUNTING AND SHIPPING INFO

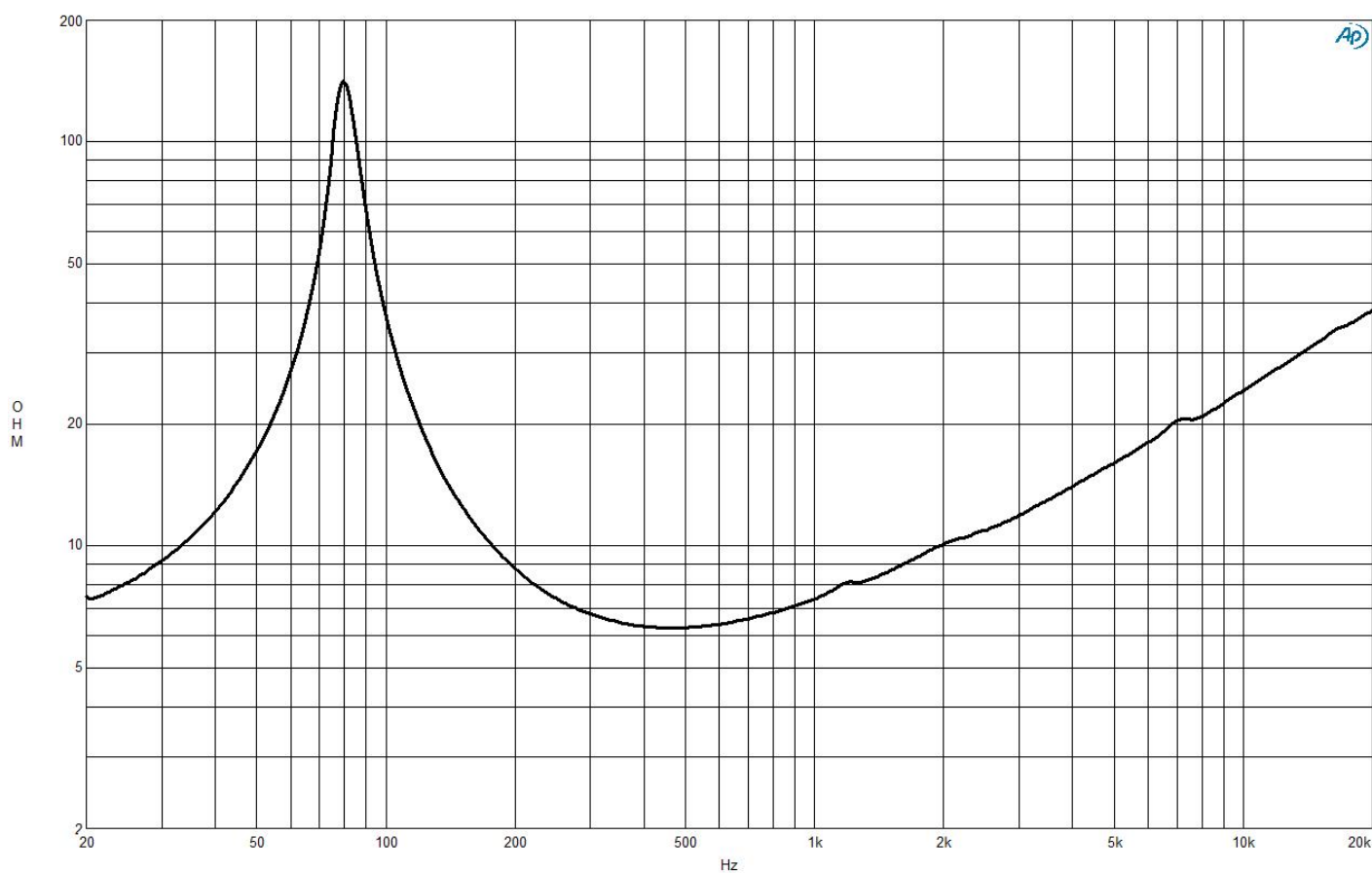
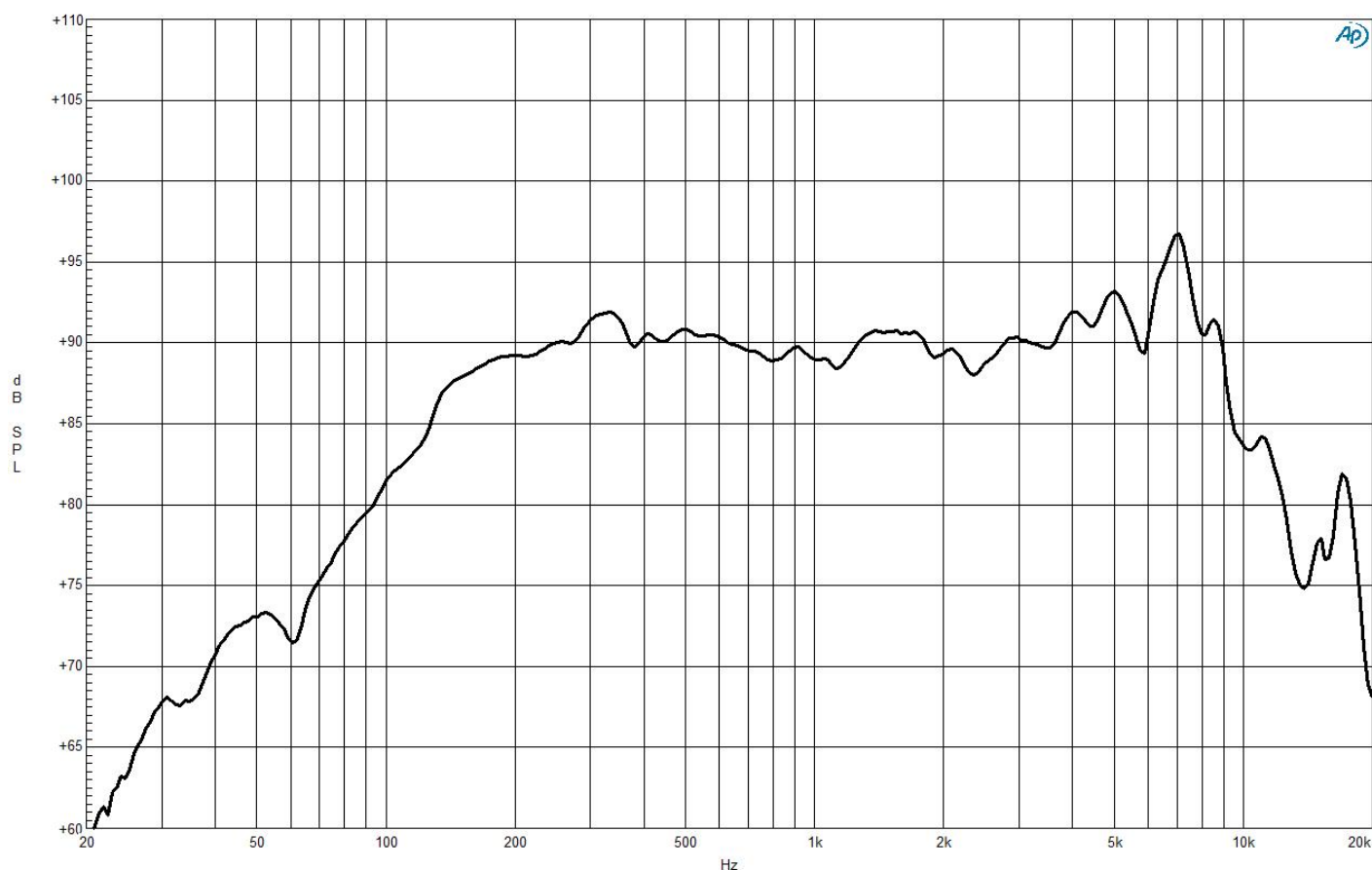
Overall Diameter	155 mm (6.1 in)
Bolt Circle Diameter	142 mm (5.6 in)
Baffle Cutout Diameter	122 mm (4.8 in)
Depth	75 mm (2.95 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Air Volume Occupied by Driver	0.35 dm³ (0.01 ft³)
Net Weight	0.94 kg (2.07 lb)
Shipping Units	1 pcs
Shipping Weight	1.14 kg (2.51 lb)
Shipping Box	210x210x125 mm (8.27x8.27x4.92 in)

SERVICE KITS

LF recone-kits	RCK005NDL388
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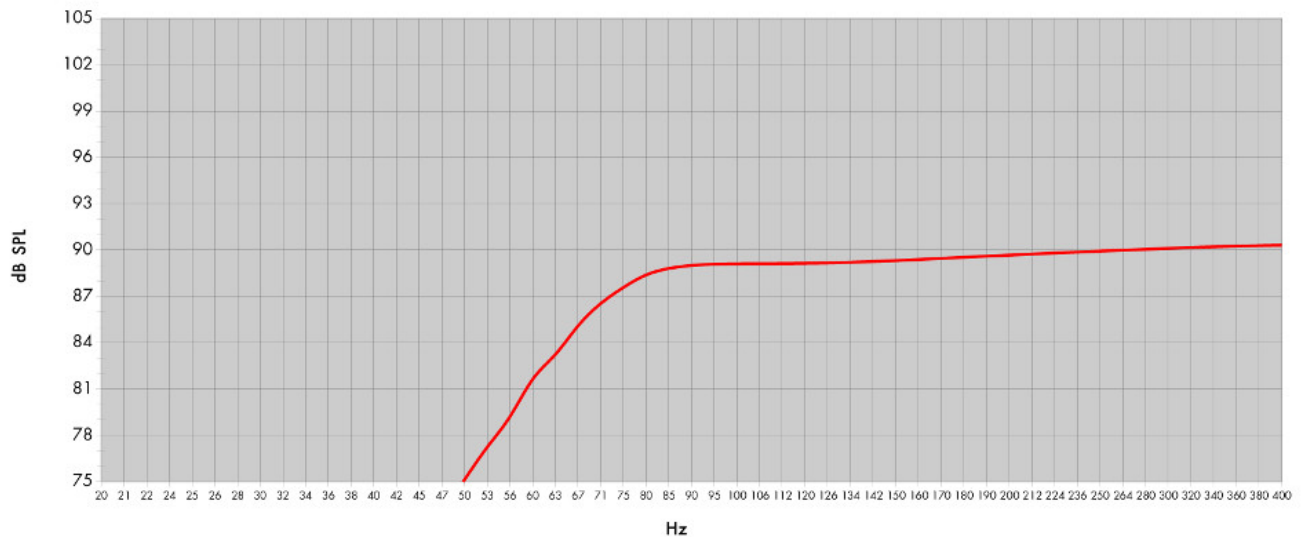


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Frequency Response (1W/1m)



Model:	5NDL38	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	5	QB:	7
Tuning Frequency (Hz):	75	Port Area (cm ²):	15,0
Frequency (-3 dB) (Hz):	75,4	Port Length (cm):	12,3
Frequency (-10 dB) (Hz):	58,4		

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