

12NDL76 8 Ω

Woofer

- 800 W continuous program power capacity
- 76 mm (3 in) aluminium voice coil
- 50 - 2000 Hz response
- 100 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Ventilated voice coil gap for reduced power compression



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SPECIFICATIONS

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Nominal Power Handling	400 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	800 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	100 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	50 Hz - 2000 Hz
Voice Coil Diameter	76 mm (3 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	19 mm (0.75 in)
Magnetic Gap Depth	10 mm (0.4 in)
Flux Density	1.25 T
Woofers Cone Treatment	None

PARAMETERS

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

Fs	50 Hz
Re	5.3 Ω
Qes	0.21
Qms	4.2
Qts	0.2
Vas	73 dm³ (2.5 ft³)
Sd	522 cm² (80.9 in²)
η0	4.3 %
Xmax	7 mm
Xvar	6.5 mm
Mms	53 g
Bl	20.1 Tm
Le	1 mH
EBP	238 Hz

DESIGN

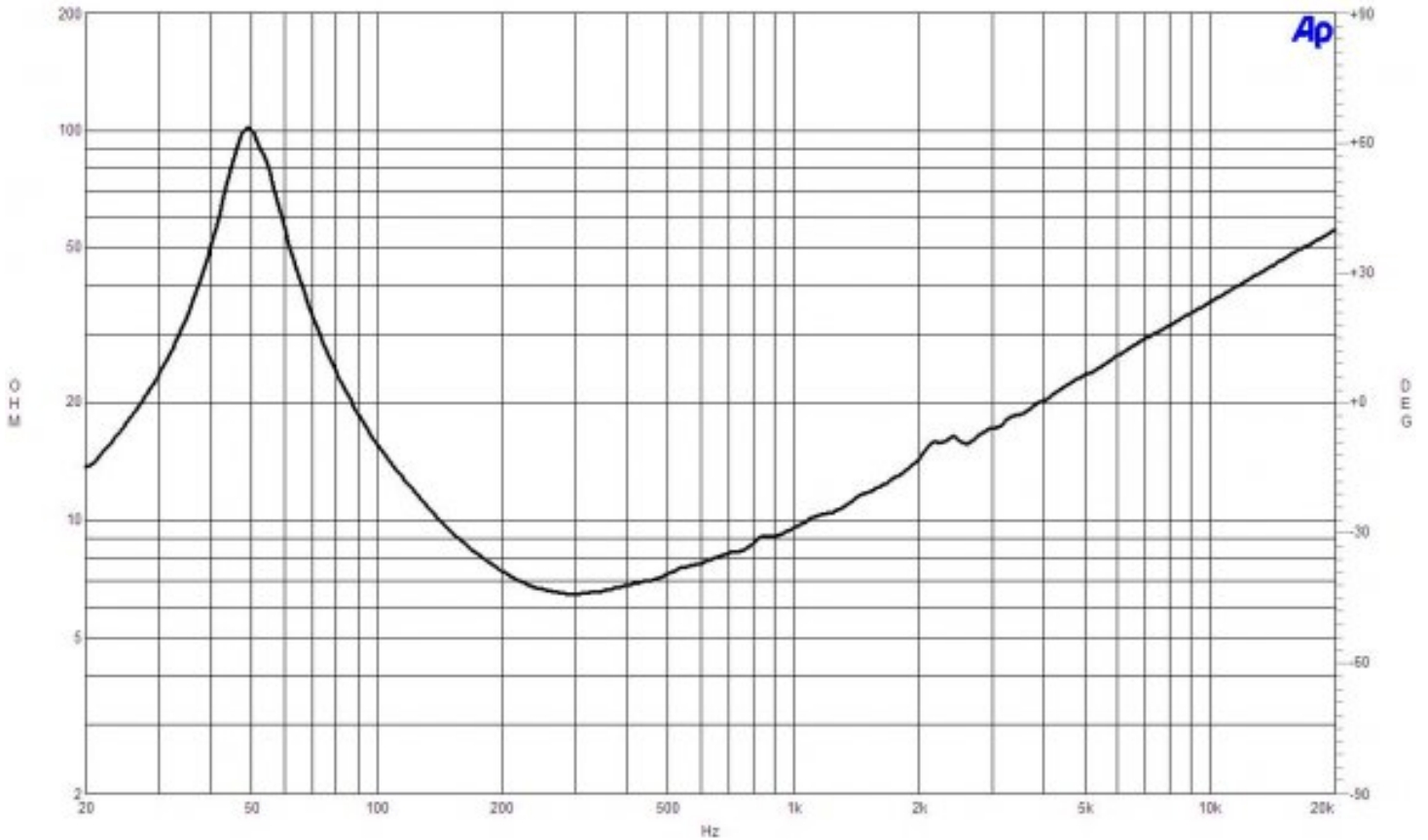
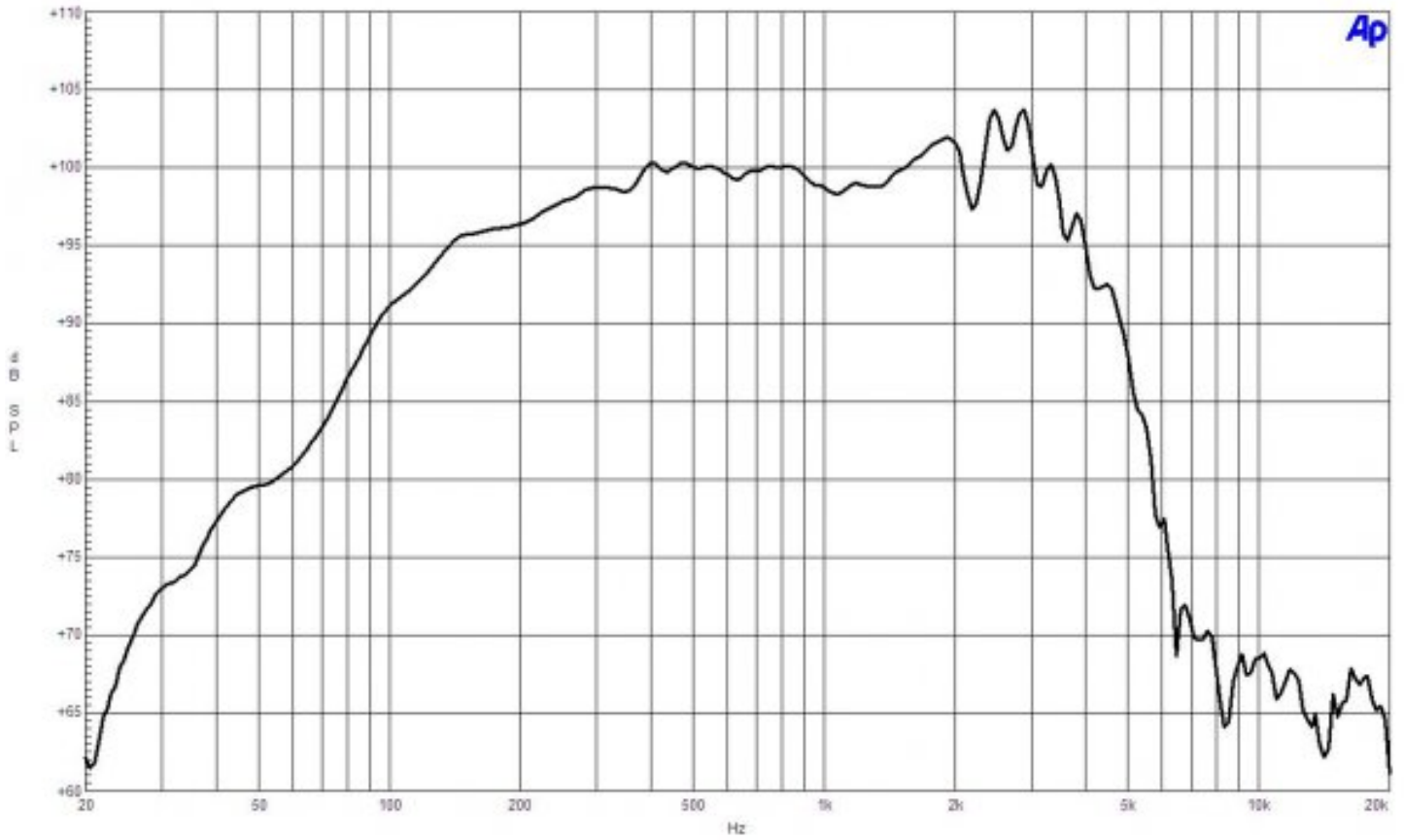
Surround Shape	Double Roll
Cone Shape	Exponential
Magnet Material	Neodymium Inside Slug
Spider	Single
Pole Design	Straight Pole
Woofers Cone Treatment	None
Recommended Enclosure	42 dm³ (1.48 ft³)
Recommended Tuning	65 Hz

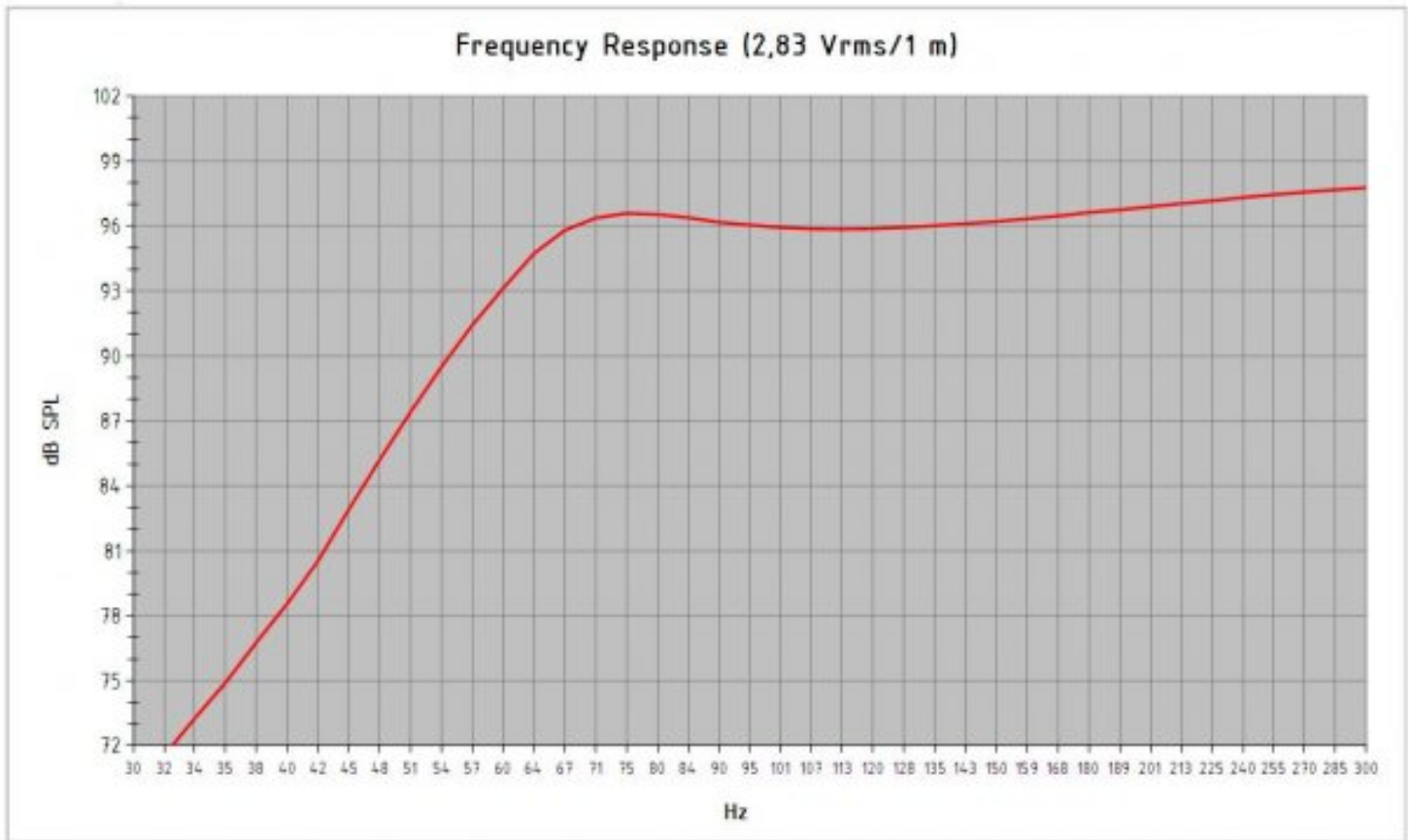
MOUNTING AND SHIPPING INFO

Overall Diameter	315 mm (12.4 in)
Bolt Circle Diameter	298 mm (11.7 in)
Baffle Cutout Diameter	283 mm (11.1 in)
Depth	141 mm (5.5 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air Volume Occupied by Driver	2.5 dm³ (0.08 ft³)
Net Weight	3.9 kg (8.6 lb)
Shipping Units	1 pcs
Shipping Weight	4.8 kg (10.58 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

SERVICE KITS

LF recone-kits	RCK12NDL768
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<i>Model:</i>	12 NDL 76		
<i>Enclosure Type:</i>	Bass Reflex		
<i>Internal Net Volume (Liters):</i>	42	<i>Port Area (cm²):</i>	138,7
<i>Tuning Frequency (Hz):</i>	65	<i>Port Length (cm):</i>	11,9
<i>Frequency (-3 dB) (Hz):</i>	68,0		
<i>Excursion Limited Maximum SPL at 1 meter (dB):</i>	121,1	<i>equal to</i>	214,4 Watts <i>(Bass Band Power Rating)</i>
<i>Thermal Limited Maximum SPL at 1 meter (dB):</i>	123,8	<i>equal to</i>	400,0 Watts <i>(Mid Band Power Rating)</i>

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