12FL76 8 Ω

Woofer

- 800 W continuous program power capacity
- 76 mm (3 in) aluminium voice coil
- 50 - 4000 Hz response
- 97.5 dB sensitivity

The 12FL76 is a wide band woofer with voice forward midrange. They are especially appropriate in applications such as KTV or vocal announcements where digital processing may not be in the budget.





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SPECIFICATIONS

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.5 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.	**400 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**800 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**97.5 dB**
Frequency Range	**50 Hz - 4000 Hz**
Voice Coil Diameter	**76 mm (3 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**17 mm (0.67 in)**
Magnetic Gap Depth	**11 mm (0.4 in)**
Flux Density	**1.1 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	**50 Hz**
Re	**5.4 Ω**
Qes	**0.32**
Qms	**5.8**
Qts	**0.3**
Vas	**57 dm³ (2 ft³)**
Sd	**522 cm² (80.9 in²)**
η0	**2.4 %**
Xmax	**6 mm**
Xvar	**7.5 mm**
Mms	**64 g**
Bl	**18.7 Tm**
Le	**1 mH**
EBP	**156 Hz**

DESIGN

Surround Shape	**Double Roll**
Cone Shape	**Exponential**
Spider	**Single**
Pole Design	**T-Pole**
Woofer Cone Treatment	**WP Waterproof Front Side**
Recommended Enclosure	**40 dm³ (1.4 ft³)**
Recommended Tuning	**55 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**315 mm (12.4 in)**
Bolt Circle Diameter	**298 mm (11.7 in)**
Baffle Cutout Diameter	**282 mm (11.1 in)**
Depth	**140 mm (5.5 in)**
Flange and Gasket Thickness	**13 mm (0.51 in)**
Air Volume Occupied by Driver	**3 dm³ (0.1 ft³)**
Net Weight	**6.85 kg (15.1 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**7.75 kg (17.09 lb)**
Shipping Box	**360x360x200 mm (14.17x14.17x7.87 in)**

SERVICE KITS

LF recone-kits	**RCK12FL768**

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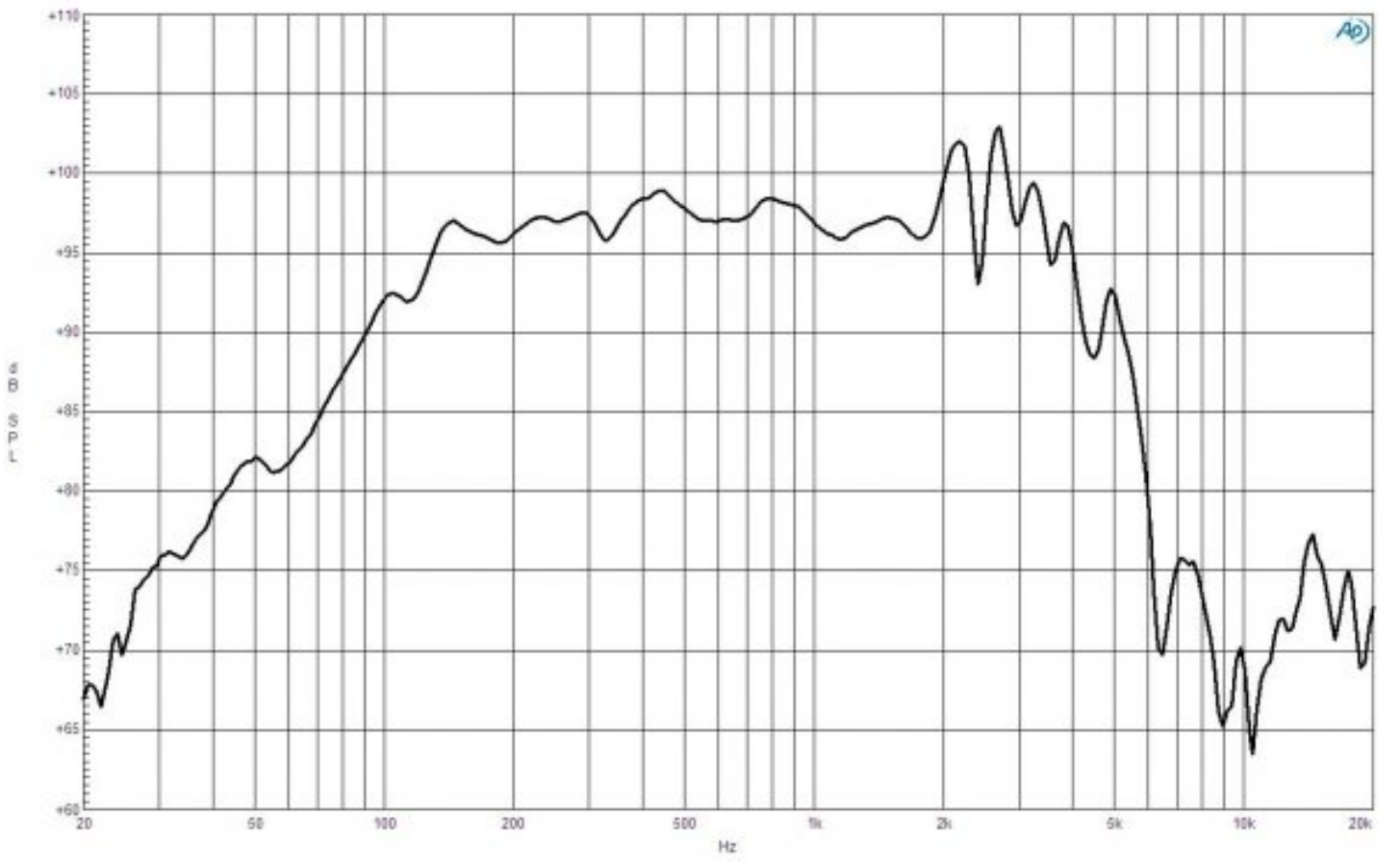

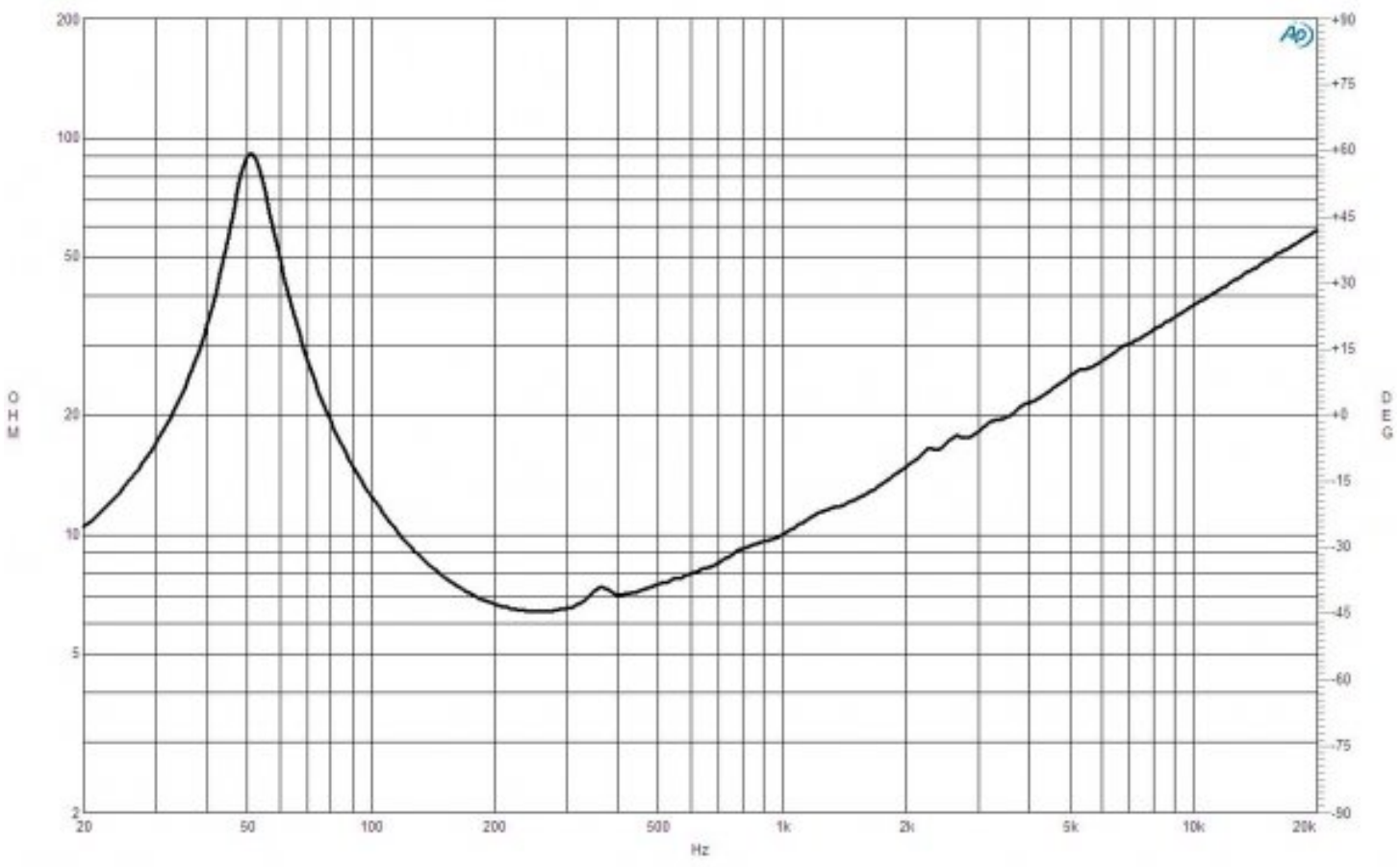

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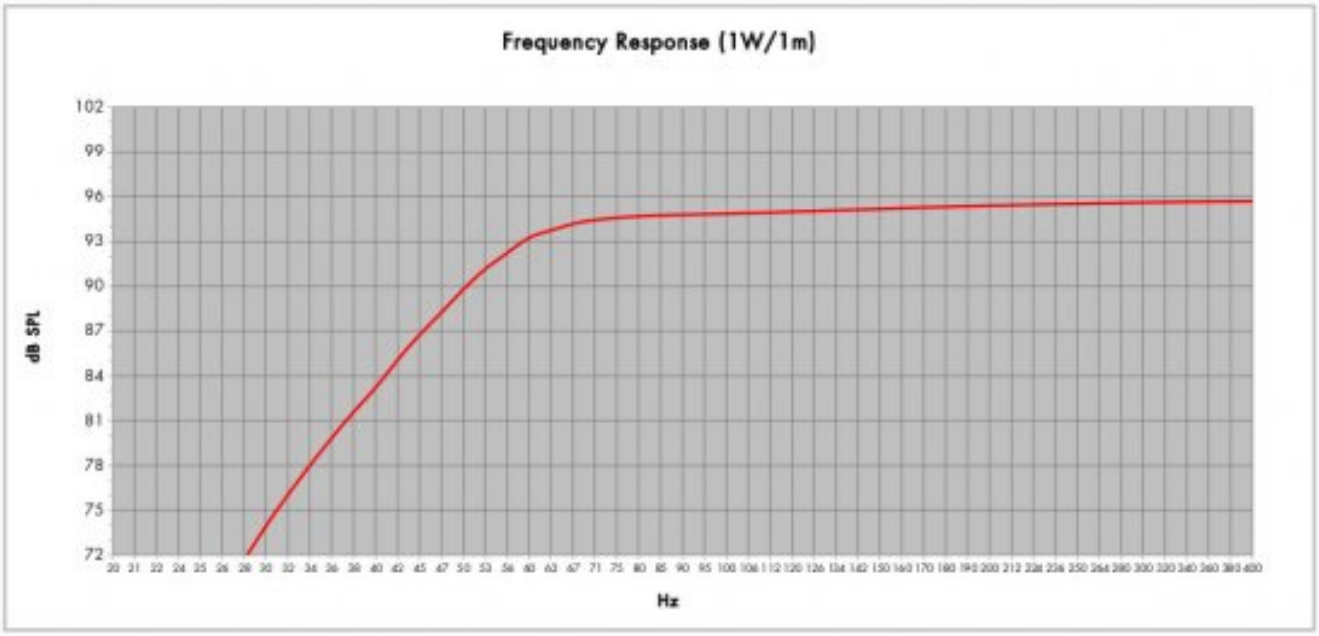
Woofer



Model:	**12FL76**		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**40**	QB:	**7**
Tuning Frequency (Hz):	**55**	Port Area (cm²):	**86,0**
Frequency (-3 dB) (Hz):	**58,4**	Port Length (cm):	**12,2**

Excursion Limited Maximum SPL at 1 meter (dB):	**119,7**	equal to	**301,9**	Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	**121,9**	equal to	**400,0**	Watts (Mid Band Power Rating)

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