

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	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	97.5 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
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

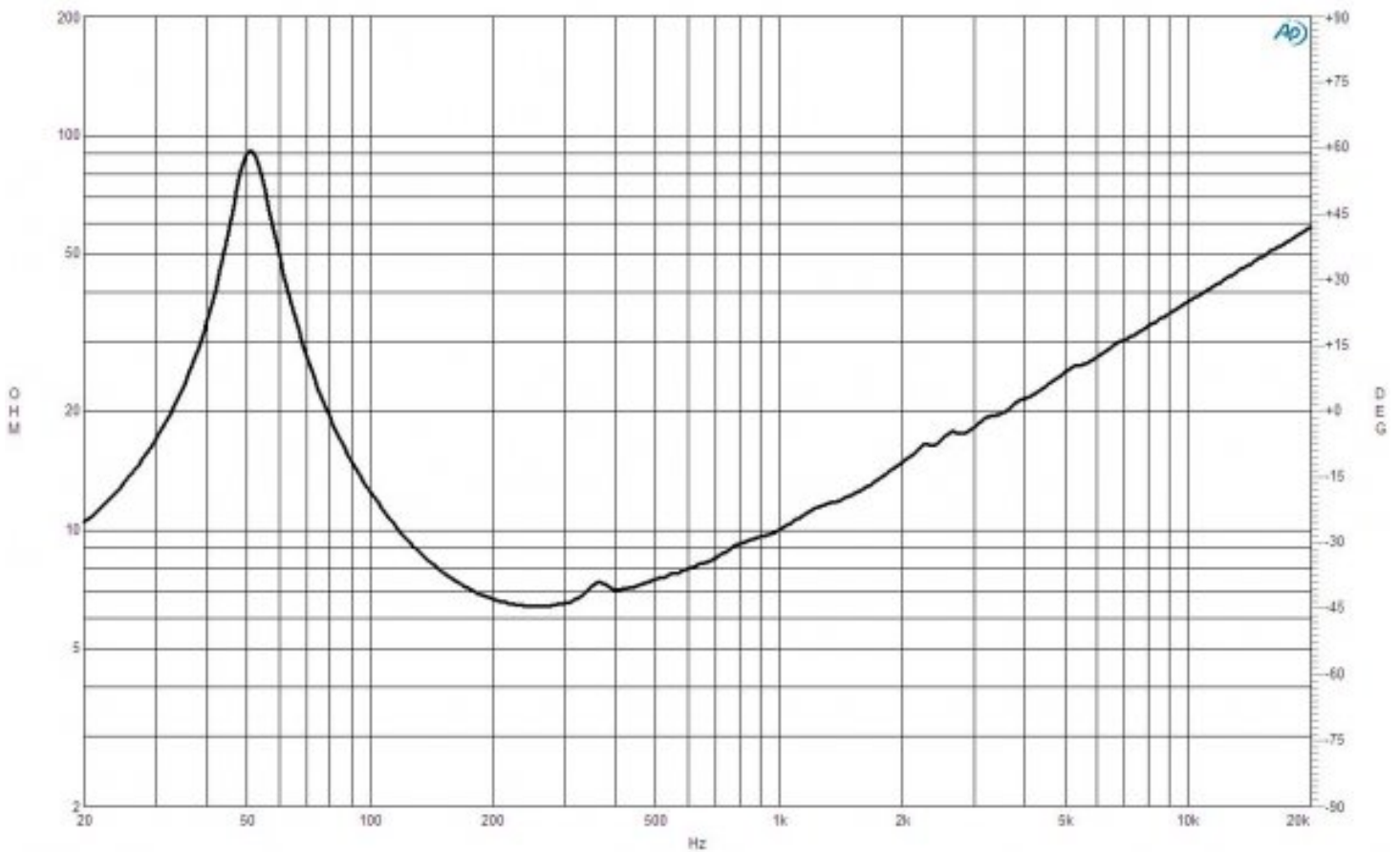
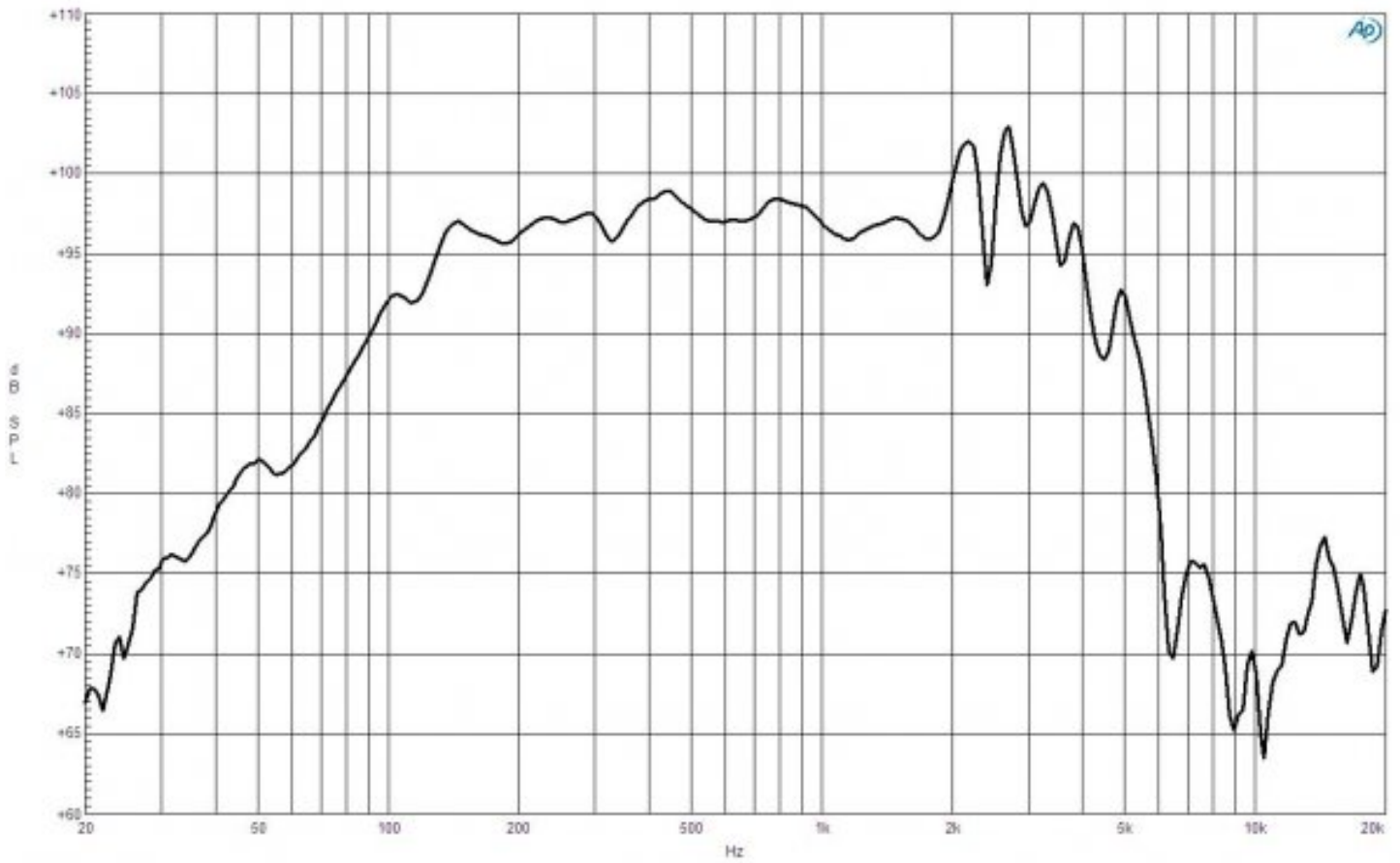
Surround Shape	Double Roll
Cone Shape	Exponential
Spider	Single
Pole Design	T-Pole
Woofer Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	40 dm³ (1.4 ft³)
Recommended Tuning	55 Hz

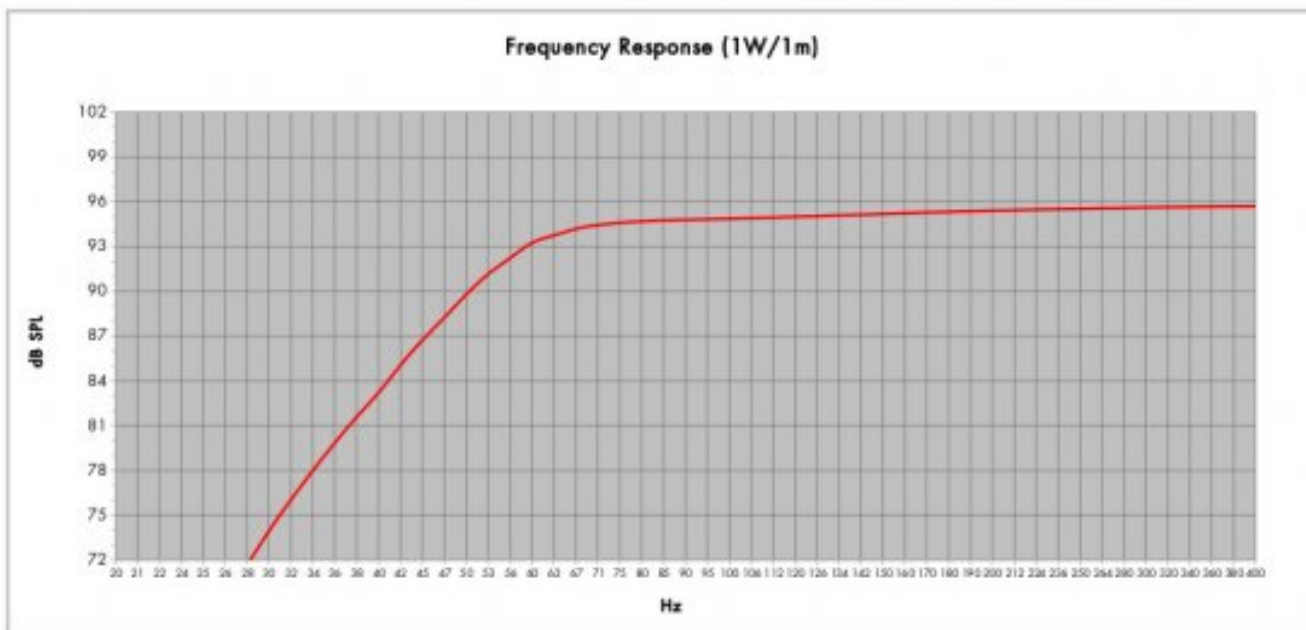
MOUNTING AND SHIPPING INFO

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