

8FW51 8 Ω

Woofer

- 400 W continuous program power capacity
- 51 mm (2 in) copper voice coil
- 70 - 5000 Hz response
- 97 dB sensitivity
- Shorting copper cap for extended HF response
- Ventilated voice coil gap for reduced power compression



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SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.4 Ω
Nominal Power Handling	200 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	400 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	97 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	70 Hz - 5000 Hz
Voice Coil Diameter	51 mm (2 in)
Winding Material	Copper
Former Material	Kapton
Winding Depth	17 mm (0.65 in)
Magnetic Gap Depth	10 mm (0.4 in)
Flux Density	1.35 T
Woofer Cone Treatment	TWP Waterproof Both Sides

PARAMETERS

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

Fs	74 Hz
Re	5.2 Ω
Qes	0.21
Qms	9.3
Qts	0.21
Vas	12 dm³ (0.42 ft³)
Sd	220 cm² (34.1 in²)
η ₀	2.1 %
X _{max}	6 mm
X _{var}	5 mm
M _{ms}	27 g
Bl	17.7 Tm
Le	0.56 mH
EBP	352 Hz

DESIGN

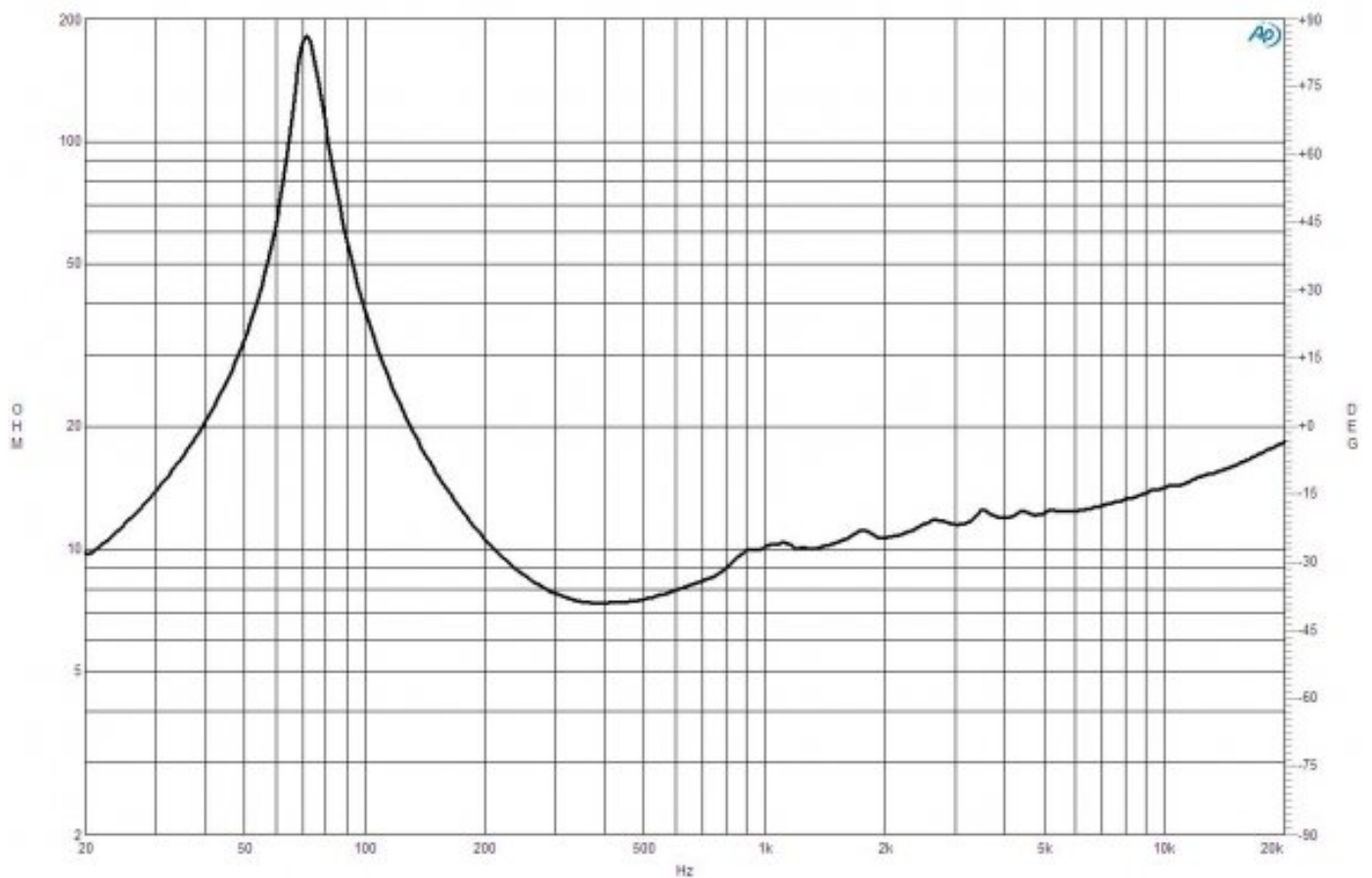
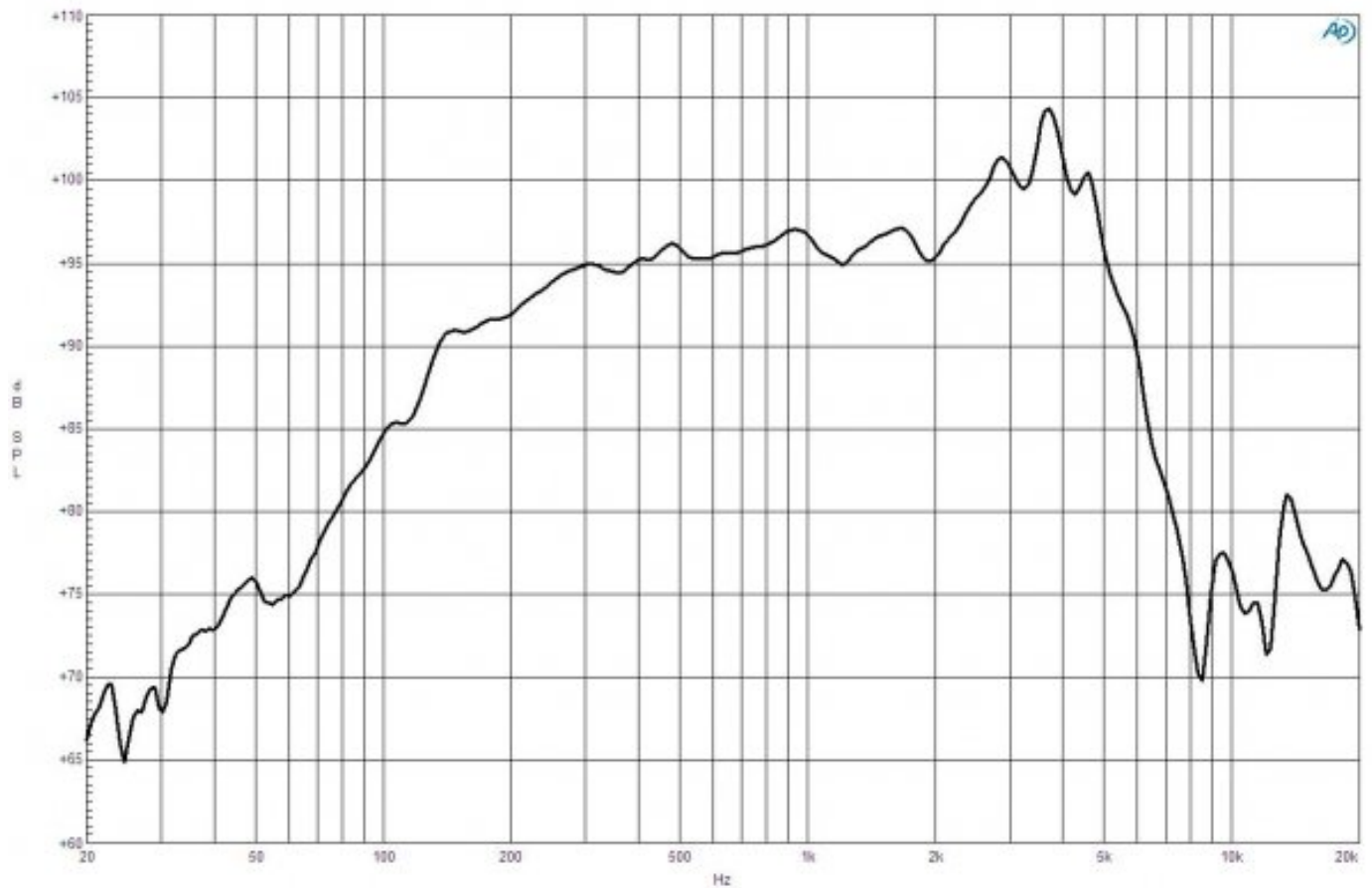
Surround Shape	Double Roll
Cone Shape	Exponential
Magnet Material	Ferrite
Spider	Single
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	12 dm³ (0.42 ft³)
Recommended Tuning	74 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	225 mm (8.8 in)
Bolt Circle Diameter	210 mm (8.3 in)
Baffle Cutout Diameter	187 mm (7.4 in)
Depth	100 mm (3.94 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Air Volume Occupied by Driver	1.5 dm³ (0.05 ft³)
Net Weight	5.6 kg (12.35 lb)
Shipping Units	1 pcs
Shipping Weight	6.05 kg (13.34 lb)
Shipping Box	255x255x150 mm (10.04x10.04x5.91 in)

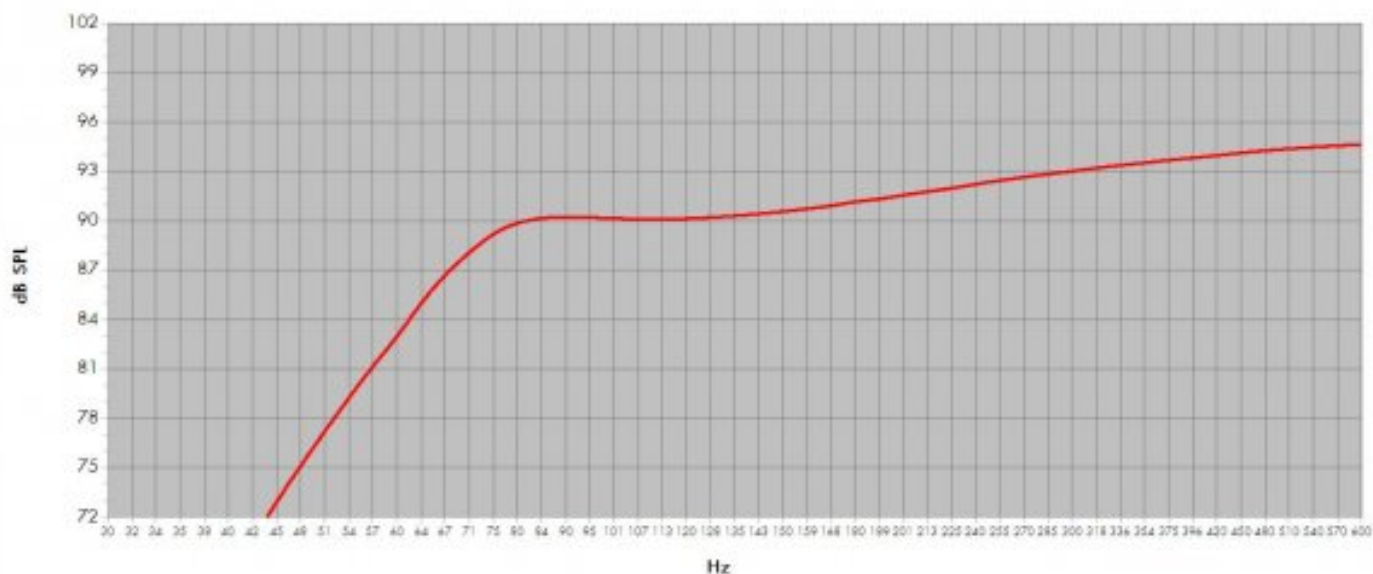
SERVICE KITS

LF recone-kits	RCK008FW518
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Frequency Response (1W/1m)



Model:	8FW51		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume [Litres]:	12	Q _B :	4
Tuning Frequency (Hz):	74	Port Area [cm ²]:	43,0
Frequency [-3 dB] (Hz):	255,4	Port Length [cm]:	13,2
Excursion Limited Maximum SPL at 1 meter (dB):	118,4	equal to:	200,0 Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	118,4	equal to:	200,0 Watts (Mid Band Power Rating)

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