

8FW51

LF Drivers - 8.0 Inches

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



Specifications

Nominal diameter	200 mm (8.0 in)
Nominal impedance	8 Ω
Minimum impedance	7.4 Ω
Nominal power handling ¹	200 W
Continuous power handling ²	400 W
Sensitivity (1W/1m) ³	97.0 dB
Frequency range	70 - 5000 Hz
Voice coil diameter	51 mm (2.0 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

Design

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Ferrite

Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	12.0 dm ³ (0.42 ft ³)
Recommended tuning	74 Hz

Parameters⁴

Fs	74 Hz
Re	5.2 Ω
Qes	0.21
Qms	9.3
Qts	0.21
Vas	12.0 dm ³ (0.42 ft ³)
Sd	220.0 cm ² (34.1 in ²)
η_0	2.1 %
Xmax	6.0 mm
Xvar	5.0 mm
Mms	27 g
Bl	17.7 Txm

Parameters

Le	0.56 mH
EBP	352 Hz

Mounting And Shipping Info

Overall diameter	225 mm (8.8 in)
Bolt circle diameter	210 mm (8.3 in)
Baffle cutout diameter	187.0 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 dm ³ (0.05 ft ³)
Net weight	5.3 kg (11.6 lb)
Shipping weight	5.6 kg (12.3 lb)
Shipping box	220x220x130 mm (8.7x8.7x5.1 in)

Service Kit

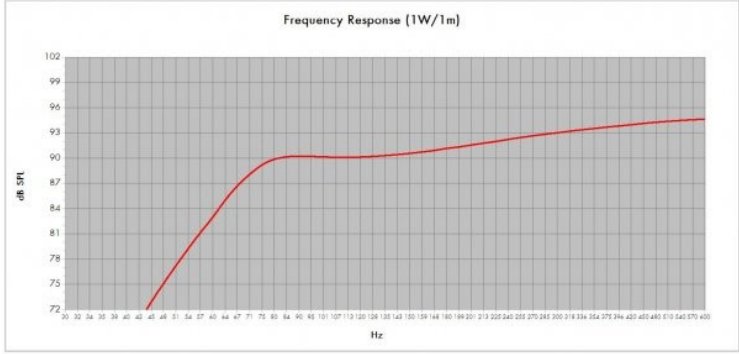
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1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

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

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



Model:	BFW51		Configuration:	One Driver
Enclosure Type:	Bass Reflex			
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)				