

# 8FW51

## FE WOOFER



**400 W**  
continuous program  
power capacity

**51 mm (2 in)**  
copper voice coil

Shorting copper cap  
for extended  
HF response

Ventilated voice  
coil gap for reduced  
power compression

**97 dB**  
sensitivity

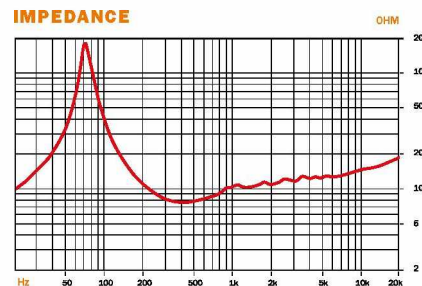
**70 - 5000 Hz**  
response



### SENSITIVITY



### IMPEDANCE



### SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.4 Ω
Power Handling	
Nominal (AES) <sup>1</sup>	200 W
Continuous Program <sup>2</sup>	400 W
Sensitivity (1W/1m) <sup>3</sup>	97 dB
Frequency Range	70 - 5000 Hz
Voice Coil Diameter	51 mm (2 in)
Winding Material	Copper
Former Material	Kapton
Winding Depth	16.5 mm (0.65 in)
Magnetic Gap Depth	10 mm (0.4 in)
Flux Density	1.35 T
Magnet Material	Ferrite Ring
Waterproof Cone Treatment	Both Sides

### THIELE & SMALL PARAMETERS<sup>4</sup>

Fs	74 Hz
Re	5.2 Ω
Qes	0.21
Qms	9.3
Qts	0.21
Vas	12 dm <sup>3</sup> (0.42 ft <sup>3</sup> )
Sd	220 cm <sup>2</sup> (34.1 in <sup>2</sup> )
η <sub>0</sub>	2.1 %
X max	± 6 mm
X var	± 5 mm
Mms	27 g
Bl	17.7 T·m
Le	0.56 mH
EPB	352 Hz

### MOUNTING AND SHIPPING INFORMATION

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	11 mm (0.4 in)
Air volume occupied by driver	1.5 dm <sup>3</sup> (0.05 ft <sup>3</sup> )
Net Weight	5.3 kg (11.6 lb)
Shipping Weight	5.6 kg (12.3 lb)
Shipping Box	255x255x150 mm (10.04x10.04x5.90 in)
Service kit	RCK008FW51-8

Also available in 4 Ω and 16 Ω, data upon request

<sup>1</sup> Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

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

<sup>3</sup> Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.

Average SPL from 200 to 4000 Hz.

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