

# 8MBX51

## ND WOOFER



**400 W**  
continuous program  
power capacity

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

Neodymium ring  
magnet assembly

Aluminium  
demodulating ring  
for very low distortion

**96.5 dB**  
sensitivity

**60 - 4000 Hz**  
response

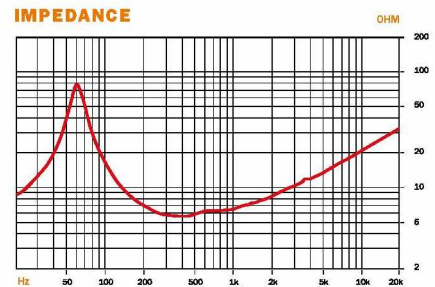
Ventilated voice  
coil gap for reduced  
power compression



### SENSITIVITY



### IMPEDANCE



### SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 Ω
Minimum Impedance	5.9 Ω
Power Handling	
Nominal (AES) <sup>1</sup>	200 W
Continuous Program <sup>2</sup>	400 W
Sensitivity (1W/1m) <sup>3</sup>	96.5 dB
Frequency Range	60 - 4000 Hz
Voice Coil Diameter	51 mm (2 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	15 mm (0.59 in)
Magnetic Gap Depth	7 mm (0.28 in)
Flux Density	1.3 T
Magnet Material	Neodymium Ring
Waterproof Cone Treatment	Impregnated Cone

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

Fs	60 Hz
Re	4.9 Ω
Qes	0.31
Qms	5.6
Qts	0.29
Vas	23 dm <sup>3</sup> (0.81 ft <sup>3</sup> )
Sd	220 cm <sup>2</sup> (34.1 in <sup>2</sup> )
η <sub>0</sub>	1.7 %
X max	± 6 mm
X var	± 8 mm
Mms	20 g
Bl	11.4 T·m
Le	0.4 mH
EBP	193 Hz

### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	225 mm (8.86 in)
Bolt Circle Diameter	210 mm (8.27 in)
Baffle Cutout Diameter	187 mm (7.36 in)
Depth	93 mm (3.7 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Air volume occupied by driver	1.1 dm <sup>3</sup> (0.04 ft <sup>3</sup> )
Net Weight	1.8 kg (3.97 lb)
Shipping Weight	2.25 kg (4.96 in)
Shipping Box	255x255x150 mm (10.04x10.04x5.90 in)
Service kit	RCK008MBX51-8

<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.

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

Also available in 16 Ω, data upon request