

8MDN51

ND WOOFER



400 W
continuous program
power capacity

51 mm (2 in)
copper voice coil

Neodymium ring
magnet assembly

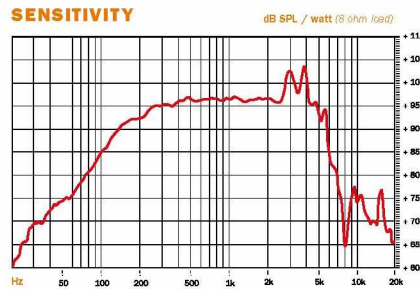
Ventilated voice
coil gap for reduced
power compression

97 dB
sensitivity

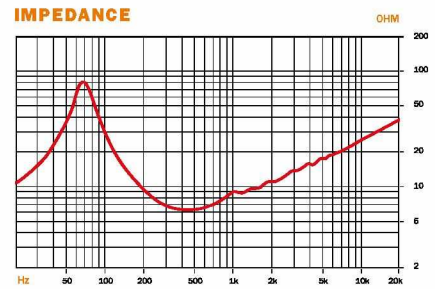
70 - 4000 Hz
response



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.7 Ω
Power Handling	
Nominal (AES) ¹	200 W
Continuous Program ²	400 W
Sensitivity (1W/1m) ³	97 dB
Frequency Range	70 - 4000 Hz
Voice Coil Diameter	51 mm (2 in)
Winding Material	Aluminium
Former Material	Kapton
Winding Depth	16 mm (0.62 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.45 T
Magnet Material	Neodymium Ring
Waterproof Cone Treatment	Front Side

THIELE & SMALL PARAMETERS⁴

Fs	70 Hz
Re	5.1 Ω
Qes	0.21
Qms	3.7
Qts	0.2
Vas	16 dm ³ (0.6 ft ³)
Sd	220 cm ² (34.1 in ²)
η ₀	2.4%
X max	± 6 mm
X var	± 6 mm
Mms	23 g
Bl	15.3 T·m
Le	0.8 mH
EBP	333 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	95 mm (3.74 in)
Flange and Gasket Thickness	11 mm (0.4 in)
Air volume occupied by driver	1.1 dm ³ (0.04 ft ³)
Net Weight	2.55 kg (5.6 lb)
Shipping Weight	3.0 kg (6.61 lb)
Shipping Box	250x250x125 mm (9.84x9.84x4.92 in)
Service kit	RCK008MDN51-8

Also available in 4 and 16 Ω, data upon request

¹ 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.

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.

Average SPL from 300 to 3000 Hz.

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