

6MDN44

ND MIDRANGE



400 W
continuous program
power capacity

44 mm (1.7 in)
aluminium voice coil

96.5 dB
sensitivity

150 - 6000 Hz
response

Ventilated voice coil gap for reduced power compression

Neodymium magnet allows a very light yet powerful motor assembly

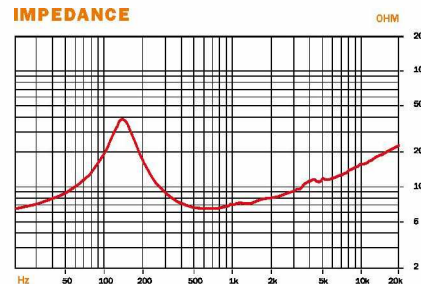
Aluminium demodulating ring for very low distortion



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	170 mm (6.5 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Power Handling	
Nominal (AES) ¹	200 W
Continuous Program ²	400 W
Sensitivity (1W/1m) ³	96.5 dB
Frequency Range	150 - 6000 Hz
Voice Coil Diameter	44 mm (1.7 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	10 mm (0.37 in)
Magnetic Gap Depth	6 mm (0.25 in)
Flux Density	1.45 T
Magnet Material	Neodymium Ring
Waterproof Cone Treatment	Front Side

THIELE & SMALL PARAMETERS⁴

Fs	140 Hz
Re	5.4 Ω
Qes	0.46
Qms	2.8
Qts	0.40
Vas	2.7 dm ³ (0.09 ft ³)
Sd	132 cm ² (20.5 in ²)
η ₀	1.6 %
X max	± 2.5 mm
X var	± 3.0 mm
Mms	11 g
Bl	11 T·m
Le	0.47 mH
EBP	304 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	187 mm (7.4 in)
Bolt Circle Diameter	172 mm (6.7 in)
Baffle Cutout Diameter	145 mm (5.7 in)
Depth	73 mm (2.9 in)
Flange and Gasket Thickness	11 mm (0.4 in)
Air volume occupied by driver	0.6 dm ³ (0.02 ft ³)
Net Weight	1.0 kg (2.2 lb)
Shipping Weight	1.25 kg (2.75 lb)
Shipping Box	210x210x125 mm (8.27x8.27x4.92 in)
Service kit	RCK06MDN44-8

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 500 to 5000 Hz.

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

Also available in 16 Ω, data upon request