

6MBX44

ND WOOFER



400 W
continuous program
power capacity

44 mm (1.7 in)
aluminium voice coil

Neodymium magnet
allows a very
light yet powerful
motor assembly

98 dB
sensitivity

115 - 5000 Hz
response

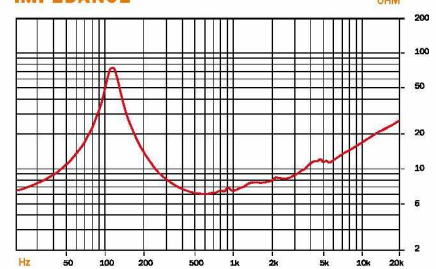
Aluminium
demodulating ring
for very low distortion



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	170 mm (6.5 in)
Nominal Impedance	8 Ω
Minimum Impedance	6 Ω
Power Handling	
Nominal (AES) ¹	200 W
Continuous Program ²	400 W
Sensitivity (1W/1m) ³	98 dB
Frequency Range	115 - 5000 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	1.55 T
Magnet Material	Neodymium Ring
Waterproof Cone Treatment	Impregnated Cone

THIELE & SMALL PARAMETERS⁴

Fs	113 Hz
Re	5.4 Ω
Qes	0.34
Qms	3.9
Qts	0.31
Vas	4.1 dm ³ (0.14 ft ³)
Sd	132 cm ² (20.46 in ²)
η ₀	1.4 %
X max	± 3.5 mm
X var	± 3.0 mm
Mms	12 g
Bl	11.7 T·m
Le	0.2 mH
EBP	332 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	187 mm (7.36 in)
Bolt Circle Diameter	172 mm (6.7 in)
Baffle Cutout Diameter	145 mm (5.7 in)
Depth	87 mm (3.43 in)
Flange and Gasket Thickness	11 mm (0.4 in)
Air volume occupied by driver	0.63 dm ³ (0.02 ft ³)
Net Weight	1.5 kg (3.31 lb)
Shipping Weight	1.75 kg (3.86 lb)
Shipping Box	210x210x125 mm (8.27x8.27x4.92 in)
Service kit	RCK06MBX44 - 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.

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

Also available in 16 Ω, data upon request