

MB12N251

MID - BASS

DESCRIPTION

The MB12N251 is a 12" neodymium mid-bass driver with an excellent linearity, good efficiency and high power handling capabilities. The 2,5" aluminium voice coil combined with a high strength fibreglass former allows high efficiency and good frequency response extension. Aluminium basket and magnetic assembly design provide an excellent heat dissipation and very low power compression.

The Triple-roll shape combined to spider design offer very low distortion and extended low frequency reproduction.



FEATURES

- 2.5-inch , fibreglass former, aluminum voice coil
- 600 Watt continuous program power handling
- 98 dB Sensitivity
- 45 Hz - 3.0 kHz Frequency range
- Forced air ventilation
- M-roll surround and exponential cone geometry

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	12 inch / 305 mm
Rated Impedance:	8 ohm
Program Power (watt):	600 W
Power handling capacity:	300 W
Sensitivity:	98 dB
Frequency range:	45 - 3000 Hz
Effective piston diameter:	260 mm / 10.24 inch
Max. Excursion Before Damage:	38 mm / 1.5 inch
Minimum Impedance (ohm):	6 ohm
Voice Coil Diameter:	2.5 inch / 63 mm
Voice Coil Winding Material:	Aluminium
Voice Coil Length:	14 mm / 0.55 inch
Number of layers:	1
Kind of layers:	outside
Top Plate Thickness:	9 mm / 0.35 inch
Cone Design:	Curved
Surround Material:	Polycotton
Surround Design:	Triple roll
Magnets:	Neodymium
Dual-force air ventilation:	Yes
Spider:	Single

Thiele - small parameters

Resonance frequency (Fs):	50 Hz
DC resistance (Re) (ohm):	5.10 ohm
Mechanical factor:	5.40 Qms
Electrical factor:	0.36 Qes
Total factor:	0.34 Qts
Bl factor (Bl) (T x m):	15.00 T x m
Effective moving mass (Mms):	49 gr
Equivalent Cas air loaded (Vas):	83 liters
Effective piston area (Sd):	49.00 m ²
Max. linear excursion (Xmax):	5 mm
Voice coil inductance @ 1kHz (Le1k):	1.30 mH
Half-space efficiency (Eff):	2.70%

Mounting informations

Overall diameter:	320 mm / 12.6 inches
Bolt circle diameter:	295-304 mm / 11.61-11.97 inch
Bolt hole diameter:	6 mm / 0.24 inch
Front mount baffle cut-out:	288 mm / 11.34 inch
Rear mount baffle cut-out:	288 mm / 11.34 inch
Volume occupied by the driver:	2.2 liters / 0.09 ft ³

Standard compliance

CE marking:	Yes
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Size

Height:	143 mm / 5.63 inches
Diameter:	320 mm / 12.6 inches
Weight:	2.58 kg / 5.69 lbs

Shipping informations

Package Height:	194 mm / 7.64 inches
Package Width:	364 mm / 14.33 inches
Package Depth:	354 mm / 13.94 inches
Package Weight:	3.67 kg / 8.09 lbs

PART NUMBER

- **11100065**

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8ohm



