

MB12N351

MID - BASS

DESCRIPTION

The MB12N351 is designed to provide an excellent frequency response linearity with very low distortion. A very strong neodymium magnetic structure guarantee dynamic and precision, a new and unique 3.5" voice coil design provides a very high power handling, especially recommended in comparison to a standard 3" voice coil. The unique Dual-forced air venting system guarantee a very efficient voice coil ventilation to minimize the power compression and provide higher power handling.



FEATURES

- 3.5-inch, fiberglass inside/outside copper voice coil
- 1300W continuous program power handling
- 99 dB Sensitivity
- 45 Hz – 3 kHz Frequency range
- Dual-forced air ventilation for minimum power compression
- Single spider design with silicon based damping control

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	12 inch / 305 mm
Rated Impedance:	8 ohm
Program Power (watt):	1300 W
Power handling capacity:	650 W
Sensitivity:	99.0 dB
Frequency range:	45 - 3000 Hz
Effective piston diameter:	260 mm / 10.24 inch
Max. Excursion Before Damage:	39 mm / 1.54 inch
Minimum Impedance (ohm):	7.0 ohm
Voice Coil Diameter:	3.5 inch / 89 mm
Voice Coil Winding Material:	Copper
Voice Coil Length:	17 mm / 0.67 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	11 mm / 0.43 inch
Cone Design:	Curved
Surround Material:	Polycotton
Surround Design:	M-roll
Magnets:	Neodymium
Dual-force air ventilation:	Yes
Spider:	Single with silicon based damping control

Thiele - small parameters

Resonance frequency (Fs):	55 Hz
DC resistance (Re) (ohm):	5.60 ohm
Mechanical factor:	4.50 Qms
Electrical factor:	0.21 Qes
Total factor:	0.20 Qts
Bl factor (Bl) (T x m):	22.50 T x m
Effective moving mass (Mms):	54.0 g
Equivalent Cas air loaded (Vas):	61.0 liters
Effective piston area (Sd):	0.050 m ²
Max. linear excursion (Xmax):	6 mm
Voice coil inductance @ 1kHz (Le1k):	1.65 mH
Half-space efficiency (Eff):	4.66%

Mounting informations

Overall diameter:	320 mm / 12.6 inches
Bolt circle diameter:	293-304 mm / 11.54-11.97 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	282 mm / 11.1 inch
Rear mount baffle cut-out:	284 mm / 11.18 inch
Volume occupied by the driver:	2.2 liters / 0.09 ft ³

Standard compliance

CE marking:	Yes
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Size

Height:	151 mm / 5.94 inches
Diameter:	320 mm / 12.6 inches
Weight:	4.5 kg / 9.92 lbs

Shipping informations

Package Height:	210 mm / 8.27 inches
Package Width:	360 mm / 14.17 inches
Package Depth:	360 mm / 14.17 inches
Package Weight:	5.49 kg / 12.1 lbs

PART NUMBER

- **11100026**

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8ohm



