

MB15N351

MID - BASS

DESCRIPTION

This MB15N351 is designed to provide an excellent linearity in the frequency response with low distortion. The transducer is built around a very stronger neodymium magnetic structure and a new 3,5" voice coil, this combination provides to increase the power handling especially in comparison a standard 3" voice coil. The unique Dual-forced air venting system guarantee a very efficient voice coil ventilation for minimize the power compression at the higher power handling.



FEATURES

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

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	15 inch / 381 mm
Rated Impedance:	8 ohm
Program Power (watt):	1300 W
Power handling capacity:	650 W
Sensitivity:	100 dB
Frequency range:	40 - 3000 Hz
Effective piston diameter:	330 mm / 12.99 inch
Max. Excursion Before Damage:	39 mm / 1.54 inch
Minimum Impedance (ohm):	6 ohm
Voice Coil Diameter:	3.5 inch / 89 mm
Voice Coil Material:	Copper
Voice Coil Winding Material:	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:	Dual with silicon based damping control

Thiele - small parameters

Resonance frequency (Fs):	42 Hz
DC resistance (Re) (ohm):	5.60 ohm
Mechanical factor:	4.00 Qms
Electrical factor:	0.24 Qes
Total factor:	0.22 Qts
Bl factor (Bl) (T x m):	22.50 T x m
Effective moving mass (Mms):	80 gr
Equivalent Cas air loaded (Vas):	191 liters
Effective piston area (Sd):	0.09 m ²
Max. linear excursion (Xmax):	6 mm
Voice coil inductance @ 1kHz (Le1k):	1.65 mH
Half-space efficiency (Eff):	5.68%

Mounting informations

Overall diameter:	393 mm / 15.47 inches
Bolt circle diameter:	371-376 mm / 14.61-14.8 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	354 mm / 13.94 inch
Rear mount baffle cut-out:	354 mm / 13.94 inch
Volume occupied by the driver:	3.8 liters / 0.15 ft ³

Standard compliance

CE marking:	Yes
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Size	Height:	180 mm / 7.09 inches
	Diameter:	393 mm / 15.47 inches
	Weight:	5.16 kg / 11.38 lbs

Shipping informations	Package Height:	230 mm / 9.06 inches
	Package Width:	440 mm / 17.32 inches
	Package Depth:	440 mm / 17.32 inches
	Package Weight:	6.52 kg / 14.37 lbs

PART NUMBER

- **11100025**

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8ohm



