



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

Part Number 11100025 MB15N351 8ohm



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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	100.0 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)	6.8 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	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)	80.0 g
Equivalent Cas air loaded (Vas)	191.0 liters
Effective piston area (Sd)	0.090 m ²
Max. linear excursion (Xmax)	6 mm
Voice coil inductance @ 1kHz (Le1k)	1.65 mH
Half-space efficiency (Eff)	5.68%

Mounting information

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

Safety agency	CE compliant
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Size / Weight	Height	180 mm / 7.09 inches
	Diameter	393 mm / 15.47 inches
	Weight	5.16 kg / 11.38 lbs



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Line Art 2D

