

MB15N301

MID - BASS

DESCRIPTION

The MB15N301 is a neodymium, high efficiency, 15" mid-bass. High sensitivity, excellent linearity and very high power handling capabilities. The magnetic structure is powered by a large neodymium magnet that provides an extremely high flux density in the gap. The new hyper-vented aluminium basket and magnetic assembly design provide an excellent heat dissipation and lower power compression. Special air-forced ventilations are provided for voice coil, magnet assembly and basket. M-roll surround and spider design offer great linearity and precise reproduction.



FEATURES

- 3.0-inch, fibreglass inside/outside copper voice coil
- 1000 Watt continuous program power handling
- 99 dB Sensitivity
- 40Hz -3.5KHz Frequency range
- Dual-forced air ventilation for minimum power compression
- Triple-roll surround and exponential cone geometry

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	15 inch / 381 mm
Rated Impedance:	8 ohm
Program Power (watt):	1000 W
Power handling capacity:	500 W
Sensitivity:	99 dB
Frequency range:	40 - 3500 Hz
Effective piston diameter:	330 mm / 12.99 inch
Max. Excursion Before Damage:	40 mm / 1.57 inch
Minimum Impedance (ohm):	6 ohm
Voice Coil Diameter:	3.0 inch / 76 mm
Voice Coil Material:	Aluminium
Voice Coil Winding Material:	17 mm / 0.67 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	10 mm / 0.39 inch
Cone Design:	Curved
Surround Material:	Polycotton
Surround Design:	Curved
Magnets:	Neodymium
Dual-force air ventilation:	Yes
Spider:	Single

Thiele - small parameters

Resonance frequency (Fs):	48 Hz
DC resistance (Re) (ohm):	5.80 ohm
Mechanical factor:	4.60 Qms
Electrical factor:	0.39 Qes
Total factor:	0.37 Qts
Bl factor (Bl) (T x m):	19.20 T x m
Effective moving mass (Mms):	90 gr
Equivalent Cas air loaded (Vas):	134 liters
Effective piston area (Sd):	0.09 m ²
Max. linear excursion (Xmax):	6 mm
Voice coil inductance @ 1kHz (Le1k):	0.90 mH
Half-space efficiency (Eff):	3.70%

Mounting informations

Overall diameter:	388 mm / 15.28 inches
Bolt circle diameter:	369-373 mm / 14.53-14.69 inch
Bolt hole diameter:	6 mm / 0.24 inch
Front mount baffle cut-out:	355 mm / 13.98 inch
Rear mount baffle cut-out:	358 mm / 14.09 inch
Volume occupied by the driver:	3 liters / 0.12 ft ³

Standard compliance

CE marking:	Yes
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Size	Height:	165 mm / 6.5 inches
	Diameter:	388 mm / 15.28 inches
	Weight:	3.7 kg / 8.16 lbs

Shipping informations	Package Height:	209 mm / 8.23 inches
	Package Width:	434 mm / 17.09 inches
	Package Depth:	439 mm / 17.28 inches
	Package Weight:	4.7 kg / 10.36 lbs

PART NUMBER

- **11100074**

MB15N301

8ohm



