

MB12N301 MID - BASS

DESCRIPTION

The MB12N301 is a neodymium, high efficiency, 12" 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
- 98.5dB Sensitivity
- 50Hz -3.0KHz Frequency range
- Dual-forced air ventilation for minimum power compression
- M-roll surround and exponential cone geometry



TECHNICAL SPECIFICATIONS

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General specifications	Nominal Diameter:	12 inch / 305 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	1000 W
	Power handling capacity:	500 W
	Sensitivity:	98.5 dB
	Frequency range:	50 - 3000 Hz
	Effective piston diameter:	260 mm / 10.24 inch
	Max. Excursion Before Damage:	34 mm / 1.34 inch
	Minimum Impedance (ohm):	6.7 ohm
	Voice Coil Diameter:	3.0 inch / 76 mm
	Voice Coil Winding Material:	Aluminium
	Voice Coil Length:	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:	M-roll
	Magnets:	Neodymium
	Dual-force air ventilation:	Yes
	Spider:	Single
Thiele - small parameters	Resonance frequency (Fs):	54 Hz
	DC resistance (Re) (ohm):	5.80 ohm
	Mechanical factor:	3.10 Qms
	Electrical factor:	0.26 Qes
	Total factor:	0.24 Qts
	Bl factor (Bl) (T x m):	19.00 T x m
	Effective moving mass (Mms):	48.0 g
	Equivalent Cas air loaded (Vas):	71.0 liters
	Effettive piston area (Sd):	0.050 m2
	Max. linear excursion (Xmax):	6.0 mm
	Voice coil inductance @ 1kHz (Le1k):	1.80 mH
	Half-space efficency (Eff):	4.00%
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 ft3
Standard compliance	CE marking:	Yes

DATASHEET



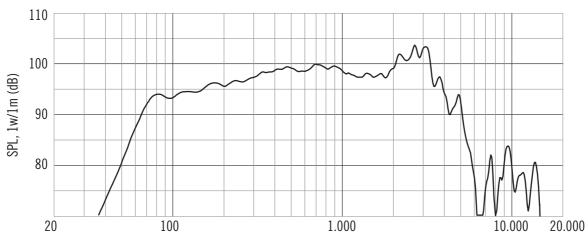
Size	Height: Diameter: Weight:	146 mm / 5.75 inches 320 mm / 12.6 inches 3.4 kg / 7.5 lbs
Shipping informations	Package Height: Package Width: Package Depth: Package Weight:	194 mm / 7.64 inches 364 mm / 14.33 inches 354 mm / 13.94 inches 4.2 kg / 9.26 lbs

PART NUMBER

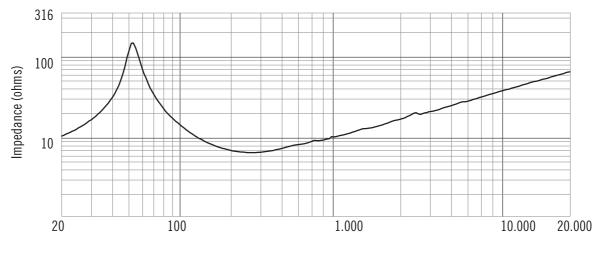
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8ohm





Frequency (Hz)



Frequency (Hz)