



MB12N405

MID - BASS



Description The MB12N405 is a hyperventated neo mid-bass design with a linear frequency response and very high efficiency.
To get this performance the magnetic structure use a high flux neo disc and the cone assembly a fibre loaded exponential shape along with a high excursion triple roll, constant geometry surround. The fibreglass former and aluminium voice coil provide a very high power handling maintaining a light mass and a proper Q factor for bass alignment.

- Features**
- › 4-inch, fibreglass inside/outside aluminium voice coil
 - › 2000W continuous program power handling
 - › 98.5 dB Sensitivity
 - › 50 Hz – 2 kHz Frequency range
 - › Dual-forced air ventilation for minimum power compression
 - › Triple roll surround and exponential cone geometry

Part Number 11100112 MB12N405 8ohm



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General specifications

TECHNICAL SPECIFICATIONS

Nominal Diameter	12 inch / 305 mm
Rated Impedance	8 ohm
Program Power (watt)	2000 W
Power handling capacity	1000 W
Sensitivity	98.5 dB
Frequency range	50 - 2000 Hz
Effective piston diameter	260 mm / 10.24 inch
Max. Excursion Before Damage	53 mm / 2.09 inch
Minimum Impedance (ohm)	6.6 ohm
Voice Coil Diameter	4.0 inch / 102 mm
Voice Coil Winding Material	Aluminum
Voice Coil Length	20 mm / 0.79 inch
Number of layers	2
Kind of layers	inside/outside
Top Plate Thickness	12 mm / 0.47 inch
Cone Design	Curved
Surround Material	Polycotton
Surround Design	Triple roll
Magnets	Neodymium
Hypervented magnetic structure	Yes
Spider	Single

Thiele - small parameters

Resonance frequency (Fs)	52 Hz
DC resistance (Re) (ohm)	5.00 ohm
Mechanical factor	6.00 Qms
Electrical factor	0.21 Qes
Total factor	0.20 Qts
Bl factor (Bl) (T x m)	23.50 T x m
Effective moving mass (Mms)	73.0 g
Equivalent Cas air loaded (Vas)	53.0 liters
Effective piston area (Sd)	0.050 m ²
Max. linear excursion (Xmax)	7 mm
Voice coil inductance @ 1kHz (Le1k)	1.20 mH
Half-space efficiency (Eff)	3.31%

Mounting information

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	2.9 liters / 0.11 ft ³

Standard compliance

Safety agency	CE compliant
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Size / Weight	Height	133 mm / 5.24 inches
	Diameter	320 mm / 12.6 inches
	Weight	7.7 kg / 16.98 lbs



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Line Art 2D

