MB12N405

MID - BASS



Description

The MB12N405 is a hypervented 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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TECHNICAL SPECIFICATIONS

General 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 m2
	Max. linear excursion (Xmax)	7 mm
	Voice coil inductance @ 1kHz (Le1k)	1.20 mH
	Half-space efficency (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 ft3
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

