



MB12X301

MID - BASS



Description

The MB12X301 is designed to provide an excellent frequency response linearity with very low distortion. A strong magnetic structure guarantee dynamic and precision. The new dual forced hyper-venting system guarantee a very efficient voice coil ventilation for minimum power compression and incredible power handling. M-roll surround, exponential cone geometry and spider design offer great linearity and precise reproduction.

Features

- › 3-inch, fibreglass inside/outside copper voice coil
- › 1000W continuous program power handling
- › 98.0 dB Sensitivity
- › 45 Hz - 2.5 kHz Frequency range
- › Dual Forced Hyperventing System
- › M-roll surround and exponential cone geometry

Part Number

11100105 MB12X301 8ohm



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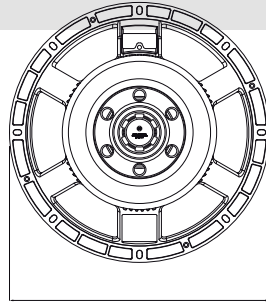
	TECHNICAL SPECIFICATIONS	
General specifications	Nominal Diameter	12 inch / 305 mm
	Rated Impedance	8 ohm
	Program Power (watt)	1000 W
	Power handling capacity	500 W
	Sensitivity	98.0 dB
	Frequency range	45 - 2500 Hz
	Effective piston diameter	260 mm / 10.24 inch
	Max. Excursion Before Damage	39 mm / 1.54 inch
	Minimum Impedance (ohm)	6.7 ohm
	Voice Coil Diameter	3.0 inch / 76 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	10 mm / 0.39 inch
	Cone Design	Curved
	Surround Material	Polycotton
	Surround Design	M-roll
	Magnets	Ceramic
	Hyperventated magnetic structure	Yes
	Spider	01
Thiele - small parameters	Resonance frequency (Fs)	50 Hz
	DC resistance (Re) (ohm)	5.40 ohm
	Mechanical factor	9.00 Qms
	Electrical factor	0.30 Qes
	Total factor	0.29 Qts
	Bl factor (Bl) (T x m)	18.00 T x m
	Effective moving mass (Mms)	57.0 g
	Equivalent Cas air loaded (Vas)	70.0 liters
	Effective piston area (Sd)	0.050 m ²
	Max. linear excursion (Xmax)	6 mm
	Voice coil inductance @ 1kHz (Le1k)	0.60 mH
Half-space efficiency (Eff)	2.80%	
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	2.2 liters / 0.09 ft ³	
Standard compliance	Safety agency	CE compliant
	Size	
	Height	143 mm / 5.63 inches
	Diameter	320 mm / 12.6 inches
	Weight	7.57 kg / 16.69 lbs



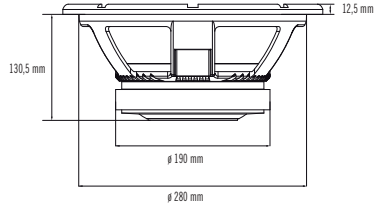
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Line Art 2D



∅ 320 mm



12.5 mm

130.5 mm

∅ 190 mm

∅ 280 mm