MB10N305

MID - BASS



Description

The MB10N305 is a hypervented neo, high linearity mid-bass.
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 airforced ventilations are provided for voice coil, magnet assembly and basket. M-roll surround and spider design offer great linearity and precise reproduction

Features

› 3-inch, fibreglass inside/outside aluminium voice coil
› 1000W continuous program power handling
› 97.5 dB Sensitivity
› 55 Hz – 3.5 kHz Frequency range
› Dual-forced air ventilation for minimum power compression
› M-roll surround and exponential cone geometry

Part Number

11100111	MB10N305	8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	10 inch / 254 mm
	Rated Impedance	8 ohm
	Program Power (watt)	1000 W
	Power handling capacity	500 W
	Sensitivity	97.5 dB
	Frequency range	55 - 3500 Hz
	Effective piston diameter	210 mm / 8.27 inch
	Max. Excursion Before Damage	34 mm / 1.34 inch
	Minimum Impedance (ohm)	6.9 ohm
	Voice Coil Diameter	3.0 inch / 76 mm
	Voice Coil Winding Material	Aluminum
	Voice Coil Length	14 mm / 0.55 inch
	Number of layers	1
	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
	Hypervented magnetic structure	Yes
	Spider	Single
Thiele - small parameters	Resonance frequency (Fs)	60 Hz
	DC resistance (Re) (ohm)	5.60 ohm
	Mechanical factor	4.00 Qms
	Electrical factor	0.24 Qes
	Total factor	0.23 Qts
	Bl factor (Bl) (T x m)	18.50 T x m
	Effective moving mass (Mms)	37.0 g
	Equivalent Cas air loaded (Vas)	31.0 liters
	Effective piston area (Sd)	0.040 m2
	Max. linear excursion (Xmax)	5 mm
	Voice coil inductance @ 1kHz (Le1k)	0.90 mH
	Half-space efficency (Eff)	2.90%
Mounting information	Overall diameter	260 mm / 10.24 inches
	Bolt circle diameter	241-246 mm / 9.49-9.69 inch
	Bolt hole diameter	6 mm / 0.24 inch
	Front mount baffle cut-out	234 mm / 9.21 inch
	Rear mount baffle cut-out	234 mm / 9.21 inch
	Volume occupied by the driver	1.4 liters / 0.06 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	Height	126 mm / 4.96 inches
	Diameter	260 mm / 10.24 inches
	Weight	3.2 kg / 7.05 lbs

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Line Art 2D



