



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 | <ul style="list-style-type: none">› 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
--------------------	----------	----------	------



MB10N305

MID - BASS

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 m ²
Max. linear excursion (Xmax)	5 mm
Voice coil inductance @ 1kHz (Le1k)	0.90 mH
Half-space efficiency (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 ft ³

Standard compliance

Safety agency	CE compliant
---------------	--------------



MB10N305

MID - BASS

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



MB10N305

MID - BASS

Line Art 2D

