

# MB12Y800

MID - BASS

## DESCRIPTION

The MB12Y800 is designed to provide an excellent frequency response linearity with very low distortion.

A very strong neodymium magnetic structure guarantee dynamic and precision, a new and unique 3,5" voice coil design provides a very high power handling, especially recommended in comparison to a standard 3" voice coil. The new dual forced hyper-venting system guarantee a very efficient voice coil ventilation for minimum power compression and incredible power handling.



## FEATURES

- 3.5-inch, fiberglass inside/outside copper voice coil
- 1400W continuous program power handling
- 98.5 dB Sensitivity
- 45 Hz – 2.5 kHz Frequency range
- Dual Forced Hyperventing System
- Dual spider design with silicon based dampening control

## TECHNICAL SPECIFICATIONS

### General specifications

Nominal Diameter:	12 inch / 305 mm
Rated Impedance:	8 ohm
Program Power (watt):	1400 W
Power handling capacity:	700 W
Sensitivity:	98.5 dB
Frequency range:	45 - 2500 Hz
Effective piston diameter:	260 mm / 10.24 inch
Max. Excursion Before Damage:	40 mm / 1.57 inch
Minimum Impedance (ohm):	7.1 ohm
Voice Coil Diameter:	3.5 inch / 89 mm
Voice Coil Winding Material:	Copper
Voice Coil Length:	1 mm / 0.04 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

### Thiele - small parameters

Resonance frequency (Fs):	55 Hz
DC resistance (Re) (ohm):	5.40 ohm
Mechanical factor:	5.90 Qms
Electrical factor:	0.27 Qes
Total factor:	0.26 Qts
Bl factor (Bl) (T x m):	22.50 T x m
Effective moving mass (Mms):	72.0 g
Equivalent Cas air loaded (Vas):	46.0 liters
Effective piston area (Sd):	0.050 m <sup>2</sup>
Max. linear excursion (Xmax):	6 mm
Voice coil inductance @ 1kHz (Le1k):	1.30 mH
Half-space efficiency (Eff):	3.00%

### Mounting informations

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 <sup>3</sup>

### Standard compliance

CE marking:	Yes
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### Size

Weight:	7.6 kg / 16.76 lbs
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## Shipping informations

Package Height:	195 mm / 7.68 inches
Package Width:	365 mm / 14.37 inches
Package Depth:	355 mm / 13.98 inches
Package Weight:	8.5 kg / 18.74 lbs

## PART NUMBER

- **11100023**

MB12Y800

8ohm



