

MB12Y358

MID - BASS

DESCRIPTION

The MB12Y358 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 unique Dual-forced air venting system guarantee a very efficient voice coil ventilation to minimize the power compression and provide higher power handling.



FEATURES

- 3.5-inch, fiberglass inside/outside copper voice coil
- 1300W continuous program power handling
- 99 dB Sensitivity
- 45 Hz - 3 kHz Frequency range
- Dual-forced air ventilation for minimum power compression
- Single spider design with silicon based damping control

TECHNICAL SPECIFICATIONS

General specifications

| | |
|-------------------------------|---------------------|
| Nominal Diameter: | 12 inch / 305 mm |
| Rated Impedance: | 8 ohm |
| Program Power (watt): | 1300 W |
| Power handling capacity: | 650 W |
| Sensitivity: | 99.0 dB |
| Frequency range: | 45 - 3000 Hz |
| Effective piston diameter: | 260 mm / 10.24 inch |
| Max. Excursion Before Damage: | 39 mm / 1.54 inch |
| Minimum Impedance (ohm): | 7.0 ohm |
| Voice Coil Diameter: | 3.5 inch / 89 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: | 11 mm / 0.43 inch |
| Cone Design: | Curved |
| Surround Material: | Polycotton |
| Surround Design: | M-roll |

Thiele - small parameters

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|--------------------------------------|----------------------|
| Resonance frequency (Fs): | 55 Hz |
| DC resistance (Re) (ohm): | 5.60 ohm |
| Mechanical factor: | 4.50 Qms |
| Electrical factor: | 0.21 Qes |
| Total factor: | 0.20 Qts |
| Bl factor (Bl) (T x m): | 22.50 T x m |
| Effective moving mass (Mms): | 54.0 g |
| Equivalent Cas air loaded (Vas): | 61.0 liters |
| Effective piston area (Sd): | 0.050 m ² |
| Max. linear excursion (Xmax): | 6 mm |
| Voice coil inductance @ 1kHz (Le1k): | 1.65 mH |
| Half-space efficiency (Eff): | 4.66% |

Mounting informations

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|--------------------------------|-----------------------------------|
| 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

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| CE marking: | Yes |
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Size

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|---------|-------------------|
| Weight: | 4.5 kg / 9.92 lbs |
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Shipping informations

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|-----------------|-----------------------|
| Package Height: | 210 mm / 8.27 inches |
| Package Width: | 360 mm / 14.17 inches |
| Package Depth: | 360 mm / 14.17 inches |
| Package Weight: | 5.49 kg / 12.1 lbs |

PART NUMBER

- **11100132**
MB12Y358
8ohm



