

# **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**

ATIONS	
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 Length	17 mm / 0.67 inch
Number of layers	2
Kind of layers	inside/outside
	11 mm / 0.43 inch
Cone Design	Curved
	M-roll
-	
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 m2
Max. linear excursion (Xmax)	6 mm
Voice coil inductance @ 1kHz (Le1k)	1.65 mH
Half-space efficency (Eff)	4.66%
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 ft3
Safety agency	CE compliant
Weight	4.5 kg / 9.92 lbs
Packago Hoight	210 mm / 8.27 inches
Fackage Height	
Package Width	360 mm / 14.17 inches
	Rated ImpedanceProgram Power (watt)Power handling capacitySensitivityFrequency rangeEffective piston diameterMax. Excursion Before DamageMinimum Impedance (ohm)Voice Coil LengthNumber of layersKind of layersTop Plate ThicknessCone DesignSurround DesignResonance frequency (Fs)DC resistance (Re) (ohm)Mechanical factorElectrical factorTotal factorBl factor (Bl) (T x m)Effective piston area (Sd)Max. linear excursion (Xmax)Voice coil inductance @ 1kHz (Le1k)Half-space efficency (Eff)Overall diameterBolt circle diameterBolt circle diameterBolt circle diameterFront mount baffle cut-outRear mount baffle cut-outVolume occupied by the driverSafety agency

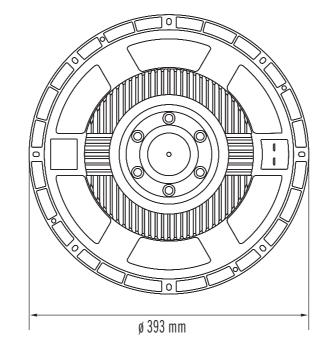


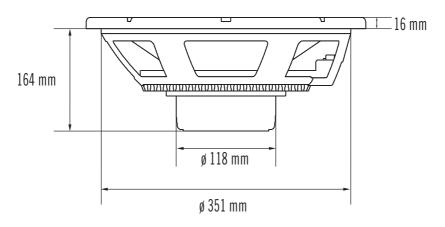
## PART NUMBER

· 11100132

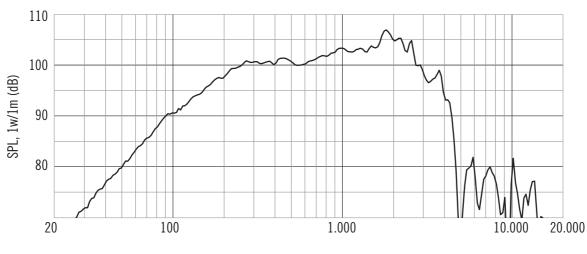
MB12Y358 8ohm



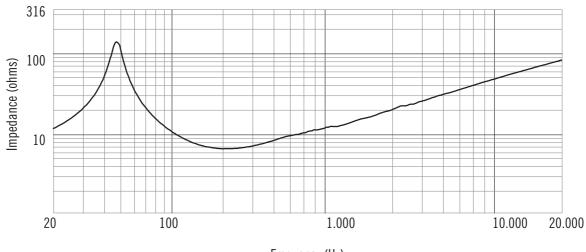








Frequency (Hz)



Frequency (Hz)