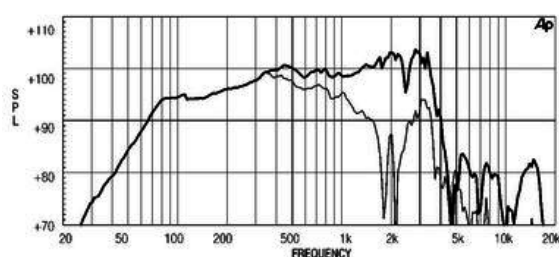
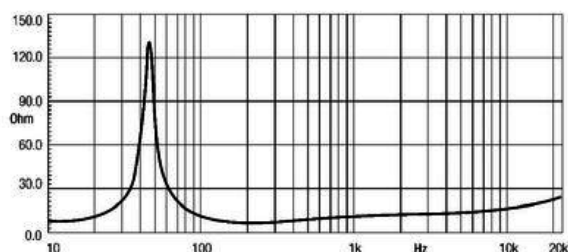


- 98 dB SPL 1W / 1m average sensitivity
- 100 mm (4 in) Interleaved Sandwich Voice coil (ISV)
- 850 WAES power handling
- Carbon fiber reinforced cellulose cone
- Copper shorting ring for linear impedance and reduced distortion figure
- Double Demodulating Ring (DDR) for lower distortion
- Improved heat dissipation via unique basket design
- Weather protected cone and plates for outdoor usage
- Ideal for compact reflex enclosures, two-way systems and stage monitoring applications

The 15MB1000 is a 100mm (4 in) voice coil 380mm (15 in) diameter mid-low frequency transducer which has been created to meet requirements for low bass applications where a significant extension in mid frequency is needed. It has been designed for use in compact reflex enclosures, in two-way systems with 1.4" - 2" compression drivers and stage monitoring applications. 15MB1000 is also suitable for horn loaded applications in multiway systems. The low profile, carbon fiber reinforced, smooth curvilinear cone provides smooth response within its intended frequency range and exceptional strength with maximum reliability under high mechanical stress. The copper shorting ring on the plates has been adopted to reduce inductance and improve transient response. Intermodulation distortion has also been significantly improved. The low distortion and unmatched sound quality of the 15MB1000 has been significantly improved by the Double Demodulating Rings (DDR) embedded in the pole piece of the magnetic structure. These have been designed to dramatically reduce the intermodulation and harmonic distortion while improving the transient response. The 100mm aluminum voice coil employs the Interleaved Sandwich Voice coil (ISV) technology, in which a high strength fiberglass former carries windings on both the outer and inner surfaces to achieve a balanced coil with a uniform distribution of mass and motive energy. This results in an extremely linear motor assembly. Excellent heat dissipation has been achieved by incorporating air channels between the basket and the magnetic top plate. Further ventilation is provided using air vents in the back plate that direct air into the lower part of the voice coil gap. Considerable attention has also been given to the design of the magnetic structure in order to maximize flux concentration and force factor in the gap. Due to the increasing use of high power audio systems at outdoor events, the ability to perform in adverse weather conditions is a key feature of the 15MB1000. This has been achieved using an exclusive treatments which allows the cone and the magnetic plate to resist corrosion whilst also rendering the cone water repellent.





15MB1000 8Ω

Altavoces LF - 15.0 Inches

ESPECIFICACIÓN

Diámetro nominal	380 mm (in)
Impedancia nominal	8 Ω
Impedancia minima	6.0 Ω
Manejo de potencia nominal	850 W
Manejo de potencia continua	1200 W
Sensibilidad	98.0 dB
Rango de frecuencia	45 - 5100 Hz
Diámetro de la bobina	100 mm (4.0 in)
Material de la bobina	aluminum

PARÁMETROS

Frecuencia de resonancia	48 Hz
Re	5.5 Ω
Qes	0.32
Qms	6.0
Qts	0.31
Vas	132.5 dm ³ (4.68 ft ³)
Sd	850.0 cm ² (131.75 in ²)
Xmax	6.0 mm
Mms	85.0 g
Bl	21.0 Txm
Le	1.5 mH
EBP	150 Hz

DISEÑO

Recinto recomendado	100.0 dm ³ (3.53 ft ³)
Sintonía recomendada	55 Hz

INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	387 mm (15.24 in)
Diámetro de circunferencia de los tornillos	370 mm (14.57 in)
Diámetro de la perforación en el baffle	353.0 mm (13.9 in)
Profundidad	156 mm (6.14 in)
Espesor del reborde y junta	19 mm (0.75 in)
Peso neto	11.4 kg (25.13 lb)
Peso del envío	12.4 kg (27.34 lb)
Caja de envío	405 x 405 x 214 mm (15.94x15.94x8.43 in)