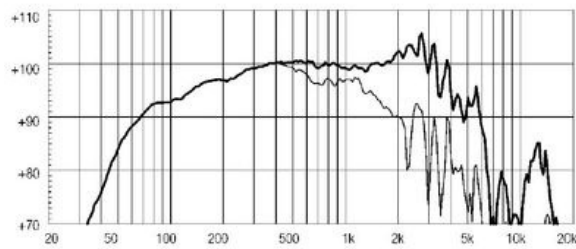


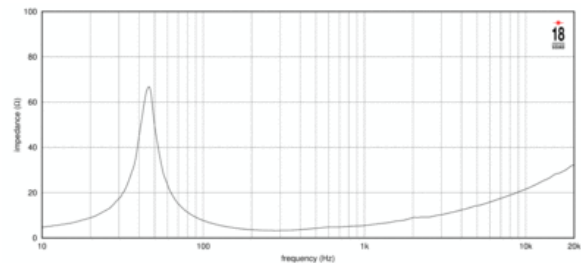


- 101 dB SPL 1W / 1m average sensitivity
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 450 WAES power handling
- Weather protected cone and plates for outdoor usage
- Excellent transient response
- Improved heat dissipation via unique basket design
- Ideal for compact two way and multiway systems

The 12MB600 is a high sensitivity (101dB 1W/1m) midbass driver with high power handling capabilities. It can be used as either a bass/mid driver in compact 2-way reflex enclosures or as a direct radiating or horn loaded, dedicated midrange driver, in multi-way touring and fixed installation concert and arena systems. The curvilinear paper cone is made with a special high strength wood pulp designed to achieve the best possible linearity within its intended frequency range and to control bell-mode resonances around the cone circumference. The cone is carried by a multiroll suspension formed from a linen-like material which is more resistant to aging and fatigue than traditional materials. The 75 mm aluminum wire 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 mass balanced coil. This results in an extremely linear motor assembly with a reduced tendency for eccentric behavior when driven hard. Voice coil cooling has been achieved by incorporating airways between the chassis back plate and the top plate of the magnet which allow heated air from the voice coil and gap to be channeled away and dissipated by the chassis basket. The magnetic structure has been optimized using FEACAD resource which has maximized the flux density in the voice coil gap. The ability to perform properly under inclement weather conditions is a feature in Eighteen Sound's philosophy. Hence, an exclusive treatment is applied to the cone giving it water repellent properties. In addition, another special treatment is applied to the top and back plates making the transducer far more resistant to the corrosive effects of salts and oxidization.



FREQUENCY RESPONSE CURVE OF 12MB600 MADE ON 50 LIT. ENCLOSURE TUNED 60HZ IN FREE FIELD (4PI) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE



ESPECIFICACIÓN

Impedancia nominal	4 Ω
Impedancia mínima	3.3 Ω
Manejo de potencia nominal	450 W
Manejo de potencia continua	600 W
Sensibilidad	101.0 dB
Rango de frecuencia	58 - 5000 Hz
Diámetro de la bobina	75 mm (3.0 in)

DISEÑO

Recinto recomendado	50.0 dm ³ (1.77 ft ³)
Sintonía recomendada	55 Hz

PARÁMETROS

Frecuencia de resonancia	46 Hz
Re	2.7 Ω
Qes	0.19
Qms	4.89
Qts	0.19
Vas	86.0 dm ³ (3.04 ft ³)
Sd	531.0 cm ² (82.31 in ²)
Xmax	4.5 mm
Mms	56.0 g
Bl	14.9 Txm
Le	0.45 mH
EBP	242 Hz

INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	315 mm (12.4 in)
Diámetro de circunferencia de los tornillos	298 mm (11.73 in)
Diámetro de la perforación en el baffle	282.0 mm (11.1 in)
Profundidad	147 mm (5.81 in)
Espesor del reborde y junta	16 mm (0.65 in)
Peso neto	8.3 kg (18.3 lb)
Peso del envío	9.0 kg (19.84 lb)
Caja de envío	332 x 332 x 184 mm (13.07x13.07x7.24 in)