

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

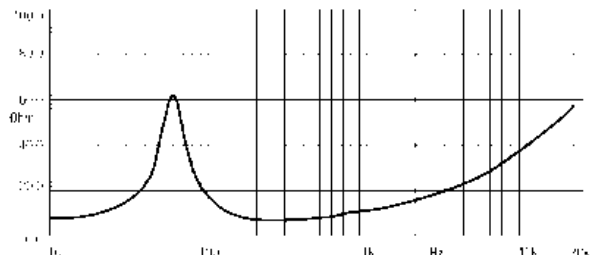
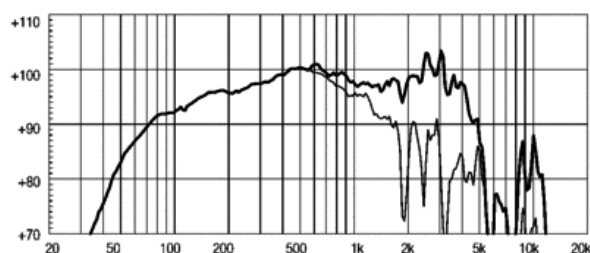
The 12W700 meets the specific market requirement for a loudspeaker which combines the excellent linearity, good efficiency and high power handling of the 15W700 model but in a 12 inch (300mm) chassis for use in more compact systems. It is primarily intended for application in compact reflex and band-pass enclosures but can also be used for horn loaded configurations.

The ribbed curvilinear paper cone has been made from a special high strength woodpulp 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 an unusually deep profile, triple roll suspension made from a polycotton material which is more resistant to aging and fatigue than traditional cotton-based ones.

The 75 mm (3 inch) diameter voice coil employs the Interleaved Sandwich Voice coil (ISV) technology, in which a high strength fibreglas 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.

The magnetic structure has been optimized using FEACAD resource to maximize the flux density in the voice coil gap. Voice coil cooling has been achieved by incorporating airways between the chassis back plate and the top plate of the magnet, allowing heated air from the voice coil and gap to be channeled away and dissipated by the chassis basket.

Due to the increasing use of audio systems at outdoor events, the ability to perform in adverse weather conditions or in high-humidity areas is an essential feature of the 12W700. This has been achieved using an exclusive cone and magnet plate treatment process which increases resistance to corrosion and renders the cone water repellent.



### ESPECIFICACIÓN

Diámetro nominal	300 mm ( in)
Impedancia nominal	8 Ω
Impedancia mínima	7.0 Ω
Manejo de potencia nominal	450 W
Manejo de potencia continua	700 W
Sensibilidad	98.0 dB
Rango de frecuencia	55 - 4200 Hz
Diámetro de la bobina	75 mm (3.0 in)
Material de la bobina	aluminum

### DISEÑO

Recinto recomendado	70.0 dm <sup>3</sup> (2.47 ft <sup>3</sup> )
Sintonía recomendada	60 Hz

### PARÁMETROS

Frecuencia de resonancia	58 Hz
Re	5.7 Ω
Qes	0.37
Qms	3.93
Qts	0.36
Vas	55.0 dm <sup>3</sup> (1.94 ft <sup>3</sup> )
Sd	531.0 cm <sup>2</sup> (82.31 in <sup>2</sup> )
Xmax	6.5 mm
Mms	51.0 g
Bl	17.7 Txm
Le	1.48 mH
EBP	156 Hz

### INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	315 mm (12.4 in)
Diámetro de circunferencia de los tornillos	296 mm (11.65 in)
Diámetro de la perforación en el baffle	282.0 mm (11.1 in)
Profundidad	147 mm (5.79 in)
Espesor del reborde y junta	16 mm (0.63 in)
Peso neto	8.2 kg (18.08 lb)
Peso del envío	9.0 kg (19.84 lb)
Caja de envío	332 x 332 x 184 mm (13.07x13.07x7.24 in)