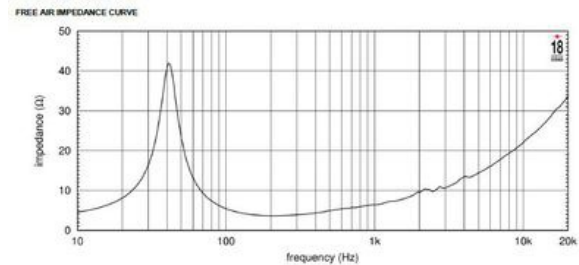
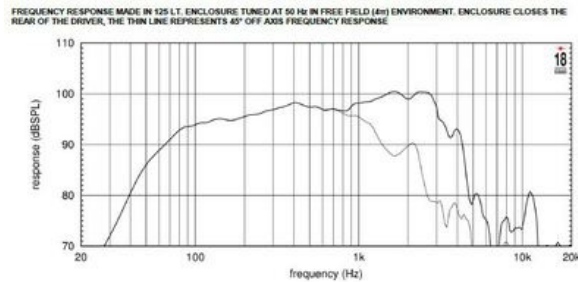




- 97 dB SPL 1W / 1m average sensitivity
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 450 WAES power handling
- Weather protected cone and plates for outdoor usage
- Excellent transient response
- Improved heat dissipation via unique basket design
- Ideal for compact reflex subwoofers and multiway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

The 15W700 low frequency transducer meets the specific market demand for a loudspeaker which combines good linearity and efficiency with high power handling capabilities, containing a 75 mm Ø aluminum voice coil. Although primarily intended for use in tuned reflex enclosures, the versatile characteristics of the 15W700 render it suitable for a wide variety of enclosure types, particularly as a subwoofer or as a LF driver in 2 or 3-way systems. When used in a 2-way system, we recommend a 1.4" or 2" exit compression driver in order to obtain the best sound quality. The deep profile curvilinear paper cone has been made using a special high strength wood pulp and 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, double half-roll suspension formed of a linen-like material which is more resistant to aging and fatigue than the traditional cotton-based materials used in conventional surrounds. The 75 mm Ø 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 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 our in-house FEA CAD resource that has maximized the flux density in the voice coil gap. Excellent heat dissipation has also been achieved by incorporating air channels between the basket and the magnetic top plate. Due to the increase in use of audio systems at outdoor events, the ability of the 15W700 to perform in adverse weather conditions or in areas of high humidity is a great advantage. This has been achieved using exclusive treatments which enable the cone and the magnetic plate to resist corrosion and render the cone water repellent at the same time.



ESPECIFICACIÓN

Diámetro nominal	380 mm (in)
Impedancia nominal	4 Ω
Impedancia minima	3.7 Ω
Manejo de potencia nominal	450 W
Manejo de potencia continua	700 W
Sensibilidad	97.0 dB
Rango de frecuencia	38 - 5000 Hz
Diámetro de la bobina	75 mm (3.0 in)

DISEÑO

Recinto recomendado	110.0 dm ³ (3.88 ft ³)
Sintonía recomendada	48 Hz

PARÁMETROS

Frecuencia de resonancia	41 Hz
Re	2.8 Ω
Qes	0.29
Qms	4.03
Qts	0.27
Vas	180.0 dm ³ (6.36 ft ³)
Sd	850.0 cm ² (131.75 in ²)
Xmax	6.5 mm
Mms	86.0 g
Bl	14.7 Txm
Le	0.54 mH
EBP	141 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	168 mm (6.61 in)
Espesor del reborde y junta	19 mm (0.75 in)
Peso neto	8.5 kg (18.74 lb)
Peso del envío	9.5 kg (20.94 lb)
Caja de envío	405 x 405 x 214 mm (15.94x15.94x8.43 in)