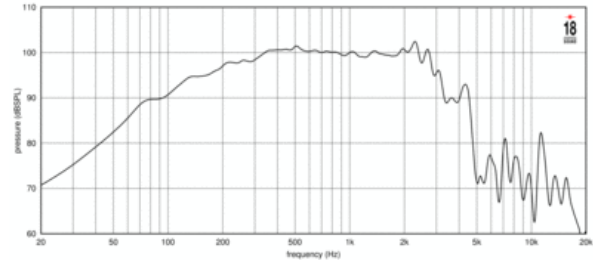
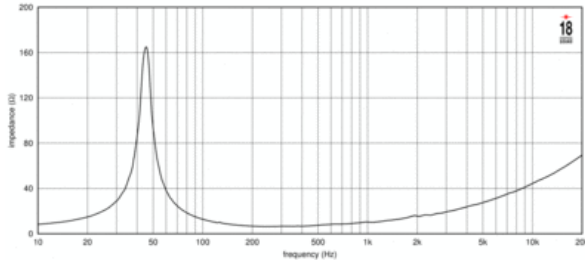


- 101 dB SPL 1W / 1m average sensitivity
- 100 mm (4 in) Interleaved Sandwich Voice coil (ISV)
- 900 WAES power handling
- Carbon fiber reinforced cellulose cone
- Single Demodulating Ring (SDR) for lower distortion
- Improved heat dissipation via unique basket design
- Weather protected cone and plates for outdoor usage
- Ideal for compact reflex enclosures, horn loaded systems and stage monitoring applications

The 15NMB1000 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. 15NMB1000 is also suitable for high SPL 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. Intermodulation distortion has been significantly improved. The low distortion and unmatched sound quality of the 15NMB1000 has been significantly improved by the Single Demodulating Rings (SDR) 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 copper 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 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 15NMB1000. 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.



### ESPECIFICACIÓN

Impedancia nominal	8 Ω
Impedancia mínima	6.6 Ω
Manejo de potencia nominal	900 W
Manejo de potencia continua	1800 W
Sensibilidad	101.0 dB
Rango de frecuencia	45 - 2500 Hz
Diámetro de la bobina	100 mm (4.0 in)
Material de la bobina	copper

### DISEÑO

Recinto recomendado	50.0 dm <sup>3</sup> (1.77 ft <sup>3</sup> )
Sintonía recomendada	60 Hz

### PARÁMETROS

Frecuencia de resonancia	46 Hz
Re	5.3 Ω
Qes	0.24
Qms	8.3
Qts	0.24
Vas	124.0 dm <sup>3</sup> (4.38 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.53 in <sup>2</sup> )
η <sub>o</sub>	4.7 %
X <sub>max</sub>	6.5 mm
Excursión máxima	8.0 mm
M <sub>ms</sub>	100.0 g
Bl	25.2 Txm
Le	0.89 mH
EBP	191 Hz

### INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	387 mm (15.24 in)
Diámetro de circunferencia de los tornillos	371 mm (14.61 in)
Diámetro de la perforación en el baffle	357.0 mm (14.06 in)
Profundidad	174 mm (6.85 in)
Espesor del reborde y junta	20 mm (0.79 in)
Peso neto	6.0 kg (13.23 lb)
Peso del envío	6.7 kg (14.77 lb)