



18NLW9400 **4Ω**

Altavoces LF - 18.0 Inches



- 98 dB SPL 1W / 1m average sensitivity
- 100 mm (4 in) Interleaved Sandwich Voice coil (ISV)
- 2400 W program power handling
- Fiberglass reinforced cone
- Double Silicon Spider (DSS) for superior excursion control and linearity
- Improved heat dissipation via multi-cell air diffractor and multiple backplate vents
- Weather protected cone and plates for outdoor usage
- Ideal for high SPL subwoofer designs

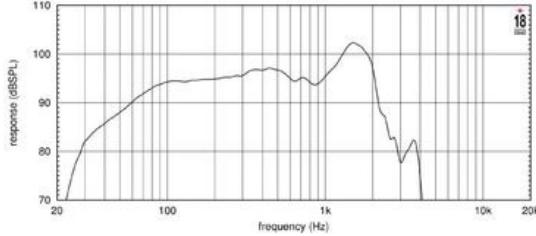
The 18NLW9400 is an 18 inch extended low frequency loudspeaker designed for high SPL subwoofer applications in either a reflex, bandpass or horn loaded configuration. For optimum results we recommend amplifiers able to deliver 2400 Watt program power without clipping. Transducer design features include a large displacement suspension system which, in conjunction with a fiberglass reinforced, straight ribbed cone and the Eighteen Sound proprietary Double Silicon Spider (DSS) technology, allows an ultra-linear piston action and provides full mechanical control across the entire working range. The 100 mm (4 in) inside-outside copper voice coil based on Interleaved Sandwich Voice coil (ISV) technology provides high levels of thermal stability and durability. In order to furtherly increase power handling and reduce power compression figure, 18NLW2400 uses the same voice coil ventilation technology developed for our flagship 9000 neodymium transducer series. A special low density material air diffractor has been placed into the backplate acting as a cooling system, increasing power handling capability and lowering the power compression figure. As a final result Eighteen Sound engineers obtained almost 1 dB reduction in full power power compression value if compared to 18LW1400, and an increased program power handling value of 2400 Watt. 18NLW9400 is able to perform properly under inclement weather conditions: the exclusive cone treatment improves pulp strength and gives water repellent properties to both sides of the cone.



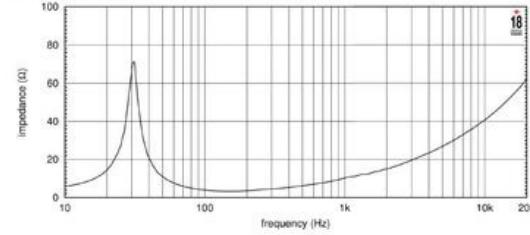
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FREQUENCY RESPONSE MADE IN 180 LT. ENCLOSURE TUNED AT 35 Hz IN FREE FIELD (4W) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER, THE THIN LINE REPRESENTS 45° OFF AXIS FREQUENCY RESPONSE



FREE AIR IMPEDANCE CURVE



ESPECIFICACIÓN

Impedancia nominal	4 Ω
Impedancia mínima	3.3 Ω
Manejo de potencia nominal	1200 W
Manejo de potencia continua	2400 W
Sensibilidad	98.0 dB
Rango de frecuencia	30 - 2500 Hz
Diámetro de la bobina	100 mm (4.0 in)
Material de la bobina	copper

PARÁMETROS

Frecuencia de resonancia	32 Hz
Re	2.6 Ω
Qes	0.23
Qms	6.1
Qts	0.22
Vas	278.0 dm ³ (9.82 ft ³)
Sd	1225.0 cm ² (189.88 in ²)
Xmax	9.5 mm
Mms	185.0 g
Bl	20.5 Txm
Le	1.25 mH
EBP	139 Hz

DISEÑO

Recinto recomendado	220.0 dm ³ (7.77 ft ³)
Sintonía recomendada	35 Hz

INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	462 mm (18.19 in)
Diámetro de circunferencia de los tornillos	438 mm (17.24 in)
Diámetro de la perforación en el baffle	416.0 mm (16.38 in)
Profundidad	223 mm (8.8 in)
Espesor del reborde y junta	21 mm (0.83 in)
Peso neto	8.7 kg (19.18 lb)
Peso del envío	10.0 kg (22.05 lb)
Caja de envío	482 x 482 x 257 mm (18.98x18.98x10.12 in)