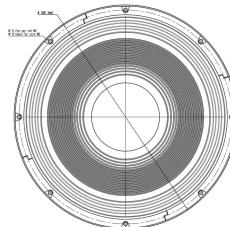
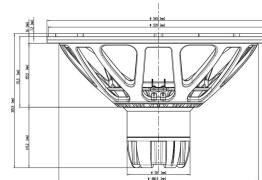




**21NTLW5000** 8Ω

Altavoces LF - 21.0 Inches



- 96,5 dB SPL 1W / 1m average sensitivity
- Dual 115mm (4,5 in) Tetracoil Aluminum Voice coil
- 4000 W program power handling
- Ultra linear suspension behavior for excellent sound clarity
- Symmetric flux density and inductance behaviour
- Low noise forced air cooling design
- Water repellent cone and epoxy coated plates
- Suitable for vented, horn loaded and bandpass applications



# 21NTLW5000 8Ω

Altavoces LF - 21.0 Inches

The 21NTLW5000 is a 21 inch diameter next generation high performance subwoofer, specifically designed for high SPL very low frequency applications in either a reflex, bandpass or horn loaded configuration. For optimum results we recommend the usage of power amplifiers able to deliver 4000W program power without clipping.

The 21NTLW5000 uses Eighteen Sound proprietary Tetracoil technology, where two different, axially separated magnetic gaps and two inside-outside 4.5" diameter aluminum voice coils are wound on the same former and suspended evenly in the two magnetic gaps.

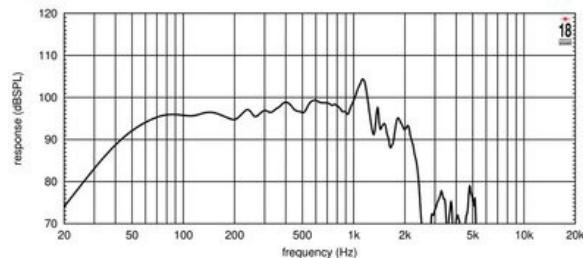
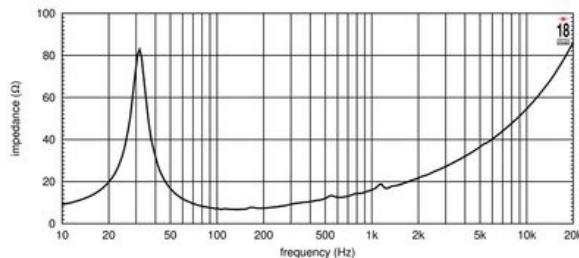
The Tetracoil design key advantages are:

- 1) a symmetric flux density versus displacement behavior, that minimizes the even distortion products;
- 2) a very symmetric and flat inductance curve;
- 3) the equivalent voice coil diameter of a 4.6" Tetracoil speaker is greater than 6". Consequently heat dissipation occurs over a larger surface area, driving AES power handling up to 1800 W.

21NTLW5000 design features include a large displacement suspension system which, in conjunction with a fiberglass reinforced, straight ribbed cone allows an ultra-linear piston action and provides full mechanical control across the entire working range.

In order to furtherly increase power handling and reduce power compression figure, a low density material air diffractor is placed into the backplate venting hole acting as a cooling system, increasing power handling capability and lowering the power compression figure.

21NTLW5000 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 membrane. In addition, magnetic structure metal plates coating is far more resistant than standard zinc coating to the corrosive effects of salts and oxidization.





# 21NTLW5000 8Ω

Altavoces LF - 21.0 Inches

## ESPECIFICACIÓN

Diámetro nominal	533 mm ( in)
Impedancia nominal	8 Ω
Impedancia mínima	6.8 Ω
Manejo de potencia nominal	1800 W
Manejo de potencia continua	4000 W
Sensibilidad	97.0 dB
Rango de frecuencia	30 - 1800 Hz
Diámetro de la bobina	115 mm (4.5 in)
Profundidad del devanado	42.5 mm (1.67 in)
profundidad magnética	15.0 mm (0.59 in)

## DISEÑO

Recinto recomendado	200.0 dm <sup>3</sup> (7.06 ft <sup>3</sup> )
Sintonía recomendada	33 Hz

## PARÁMETROS

Frecuencia de resonancia	31 Hz
Re	5.3 Ω
Qes	0.38
Qms	5.2
Qts	0.36
Vas	270.0 dm <sup>3</sup> (9.53 ft <sup>3</sup> )
Sd	1662.0 cm <sup>2</sup> (257.61 in <sup>2</sup> )
Xmax	17.5 mm
Mms	372.0 g
Bl	32.0 Txm
Le	1.6 mH
EBP	81 Hz

## INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	545 mm (21.46 in)
Diámetro de circunferencia de los tornillos	520 mm (20.47 in)
Diámetro de la perforación en el baffle	492.0 mm (19.37 in)
Profundidad	320 mm (12.6 in)
Espesor del reborde y junta	18 mm (0.71 in)
Peso neto	12.5 kg (27.56 lb)
Peso del envío	13.5 kg (29.76 lb)
Caja de envío	570x570x350 mm (22.44x22.44x13.78 in)