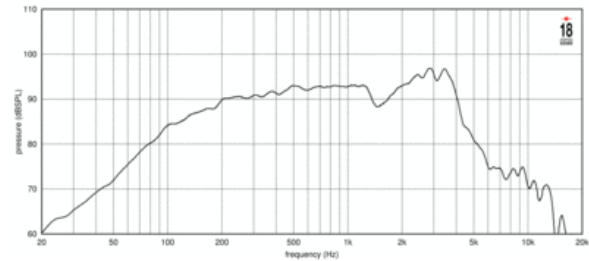
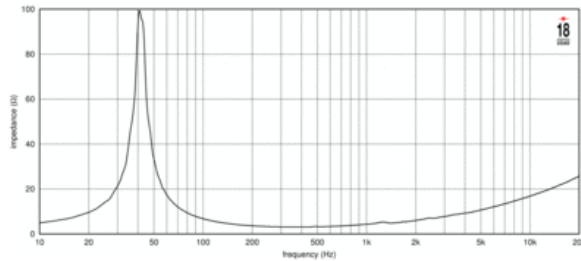




- Tetracoil Technology
- 93,5 dB SPL 1W/ 1m average sensitivity
- 51 mm (2 in) double layer voice coil
- 350 W AES power handling
- Extremely balanced BL shape for maximum SPL
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry for extended mid-band clarity
- Ideal for two-ways and line array applications

The 8NTLS2000 represents the latest 18sound technology for high quality, low distortion applications. The Tetracoil technology maximize benefits in terms of thermal dissipation and BL symmetry, making the 8NTLS2000 the perfect component both as a woofer and a midbass. Dual gap motors linearize inductance and the perfect balance we reached between the motor and the ultra linear suspension allows both very high excursion and extreme precision in the mid band with the lowest intermodulation distortion in the professional market. This features, together with its extreme low weight make the 8NTLS2000 the perfect component for highest quality line arrays and two way systems, thanks also to its 700 watts power handling capabilities.



SPECIFICATIONS

Nominal Impedance	4 Ω
Minimum Impedance	3.1 Ω
Nominal Power Handling ¹	350 W
Continuous Power Handling ²	700 W
Sensitivity ³	93.5 dB
Frequency Range	40 - 1000 Hz
Voice Coil Diameter	51 mm (2.0 in)
Winding Material	aluminum
Winding Depth	19.0 mm (0.75 in)
Magnetic Gap Depth	8.5 mm (0.33 in)

DESIGN

Surround Shape	Single roll - Rubber
Cone Shape	Curvilinear
Magnet Material	Neo
Woofer Cone Treatment	Weather protected
Recommended Enclosure	12.0 dm ³ (0.42 ft ³)
Recommended Tuning	46 Hz

PARAMETERS⁴

Resonance Frequency	43 Hz
Re	3.0 Ω
Qes	0.24
Qms	10.4
Qts	0.24
Vas	30.0 dm ³ (1.06 ft ³)
Sd	227.0 cm ² (35.19 in ²)
η _o	0.9 %
X _{max}	7.4 mm
X _{var}	8.2 mm
M _{ms}	38.0 g
Bl	11.1 Txm
Le	0.4 mH
EBP	179 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	210 mm (8.27 in)
Bolt Circle Diameter	196 mm (7.74 in)
Baffle Cutout Diameter	186.0 mm (7.32 in)
Depth	121 mm (4.76 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	1.5 kg (3.31 lb)
Shipping Weight	1.9 kg (4.19 lb)

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.