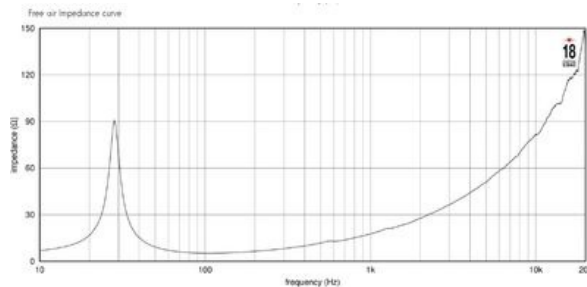
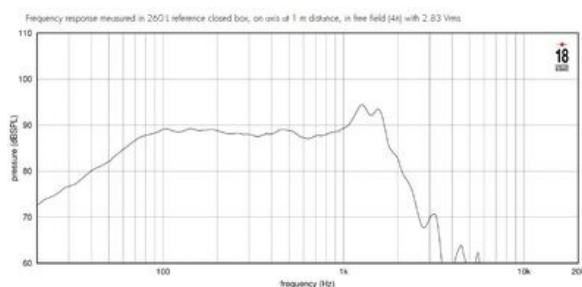


- 89 dB SPL 1W/ 1m average sensitivity
- 88 mm (3.5 in) voice coil
- 950 WAES power handling
- Extremely balanced BL shape
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry
- Ideal for compact subwoofers
- Very light Neo Motor

The 15NTLS3500 represents the latest 18sound technology for high quality, low distortion applications. The Tetracoil motor structure maximize its benefits in terms of thermal dissipation and BL symmetry, making the 15NTLS3500 the perfect component for high quality, low tuning, compact subwoofers.

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 15NTLS3500 the perfect component for highest quality line arrays and two way systems, thanks also to its 1900 watts power handling capabilities.



SPECIFICATIONS

Nominal Impedance	8 Ω
Minimum Impedance	5.8 Ω
Nominal Power Handling ¹	950 W
Continuous Power Handling ²	1900 W
Sensitivity ³	89.0 dB
Frequency Range	30 - 2000 Hz
Voice Coil Diameter	88 mm (3.5 in)
Winding Material	copper
Winding Depth	36.0 mm (1.42 in)
Magnetic Gap Depth	11.0 mm (0.43 in)

DESIGN

Surround Shape	Single roll - Rubber
Cone Shape	Straight
Woofer Cone Treatment	Weather protected
Recommended Enclosure	80.0 dm ³ (2.83 ft ³)
Recommended Tuning	26 Hz

PARAMETERS⁴

Resonance Frequency	28 Hz
Re	5.2 Ω
Qes	0.44
Qms	8.2
Qts	0.42
Vas	141.0 dm ³ (4.98 ft ³)
Sd	881.0 cm ² (136.56 in ²)
η _o	0.7 %
X _{max}	15.3 mm
X _{var}	12.5 mm
M _{ms}	250.0 g
Bl	21.6 Txm
Le	1.65 mH
EBP	63 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	371 mm (14.61 in)
Baffle Cutout Diameter	357.0 mm (14.06 in)
Depth	261 mm (10.28 in)
Flange and Gasket Thickness	17 mm (0.67 in)
Net Weight	8.3 kg (18.3 lb)
Shipping Weight	9.0 kg (19.84 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.