

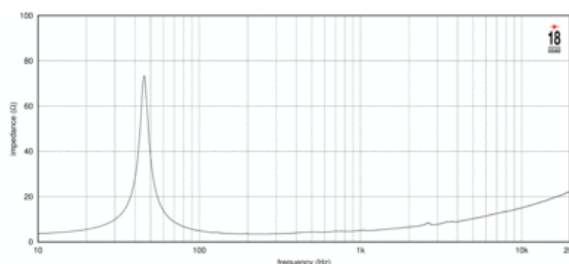
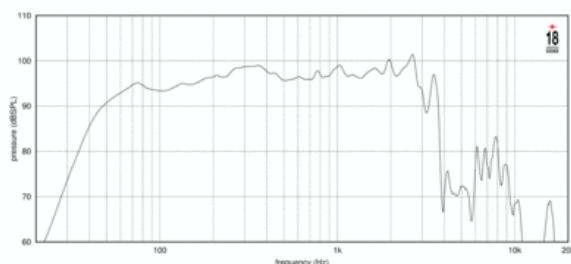


- 97.5 dB SPL 1W / 1m average sensitivity
- 88 mm (3.5 in) voice coil
- 900 WAES power handling
- Extremely balanced BL shape for maximum SPL
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry for extended mid-band clarity
- Ideal for two-ways and line array applications
- Very light Neo Motor

The 15NTLW3500 represents the latest 18sound technology for high quality, low distortion applications. The Dual Gap technology comes directly from the Tetracoil motor structure and uses the same concept to maximize its benefits in terms of thermal dissipation and BL symmetry to a wider frequency band, making the 15NTLW3500 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 15NTLW3500 the perfect component for highest quality line arrays and two way systems, thanks also to its 1800 watts power handling capabilities.



SPECIFICATIONS

Nominal Impedance	4 Ω
Minimum Impedance	3.5 Ω
Nominal Power Handling ¹	900 W
Continuous Power Handling ²	1800 W
Sensitivity ³	98.0 dB
Frequency Range	40 - 4000 Hz
Voice Coil Diameter	88 mm (3.5 in)
Winding Material	aluminum

DESIGN

Surround Shape	Triple roll
Cone Shape	Straight
Magnet Material	Neo
Woofer Cone Treatment	Weather protected
Recommended Enclosure	80.0 dm ³ (2.83 ft ³)
Recommended Tuning	50 Hz

PARAMETERS⁴

Resonance Frequency	46 Hz
Re	3.1 Ω
Qes	0.41
Qms	9.4
Qts	0.4
Vas	115.0 dm ³ (4.06 ft ³)
Sd	881.0 cm ² (136.56 in ²)
η _o	2.5 %
X _{max}	8.3 mm
X _{var}	7.0 mm
M _{ms}	115.0 g
Bl	15.8 T·xm
Le	0.29 mH
EBP	112 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	229 mm (9.02 in)
Flange and Gasket Thickness	13 mm (0.53 in)
Net Weight	5.1 kg (11.24 lb)
Shipping Weight	6.2 kg (13.67 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.