



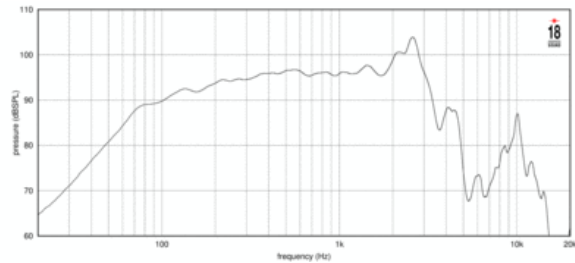
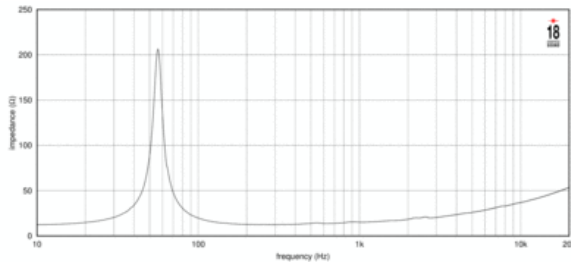
- 95 dB SPL 1W/ 1m average sensitivity
- 88 mm (3 in) ISV voice coil
- 900 WAES power handling
- Extremely balanced BL shape for maximum SPL
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry for extended mid-band clarity
- Ideal for two-ways and line array applications
- 2 X Single demodulating rings

The 12NTLW3500 represents the state of the art of 18sound components and technology for highest quality applications.

The dual gap technology comes directly from the Tetracoil motor structure and applies its benefits to a wider frequency band, making the 12NTLW3500 capable of working perfectly both as a woofer and as a midbass.

Optimized thermal conductivity allows great power handling (up to 1800 watts), the extremely balanced BL shape together with the ultra linear suspension, maximizes Spl keeping the lowest intermodulation distortion in the market, giving the 12NTLW3500 the amazing capability of reproducing a deep and full low end, together with perfect clarity mids.

This unique features, together with the very low weight (only 4.7 Kg) makes the 12NTLW3500 the perfect component for highest quality line arrays and two ways systems.



### SPECIFICATIONS

Nominal Diameter	300 mm (12.0 in)
Nominal Impedance	16 Ω
Minimum Impedance	12.5 Ω
Nominal Power Handling <sup>1</sup>	900 W
Continuous Power Handling <sup>2</sup>	1800 W
Sensitivity <sup>3</sup>	95.0 dB
Frequency Range	50 - 3000 Hz
Voice Coil Diameter	88 mm (3.46 in)

### DESIGN

Surround Shape	Triple roll
Cone Shape	Straight
Magnet Material	Neo
Recommended Enclosure	50.0 dm <sup>3</sup> (1.77 ft <sup>3</sup> )
Recommended Tuning	60 Hz

### PARAMETERS<sup>4</sup>

Resonance Frequency	57 Hz
Re	11.3 Ω
Qes	0.56
Qms	11.7
Qts	0.54
Vas	40.0 dm <sup>3</sup> (1.41 ft <sup>3</sup> )
Sd	531.0 cm <sup>2</sup> (82.31 in <sup>2</sup> )
η <sub>o</sub>	1.3 %
X <sub>max</sub>	7.9 mm
X <sub>var</sub>	9.5 mm
M <sub>ms</sub>	77.0 g
Bl	23.5 T·xm
Le	0.62 mH
EBP	101 Hz

### MOUNTING AND SHIPPING INFO

Overall Diameter	310 mm (12.2 in)
Bolt Circle Diameter	295 mm (11.61 in)
Baffle Cutout Diameter	282.0 mm (11.1 in)
Depth	193 mm (7.6 in)
Flange and Gasket Thickness	13 mm (0.53 in)
Net Weight	4.7 kg (10.36 lb)
Shipping Weight	5.5 kg (12.13 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.