

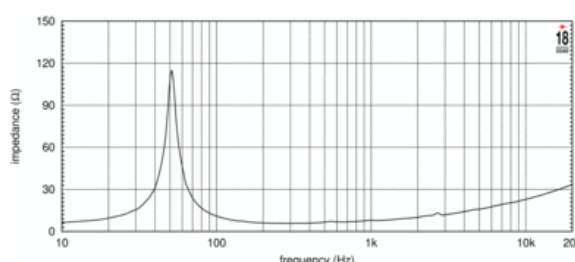
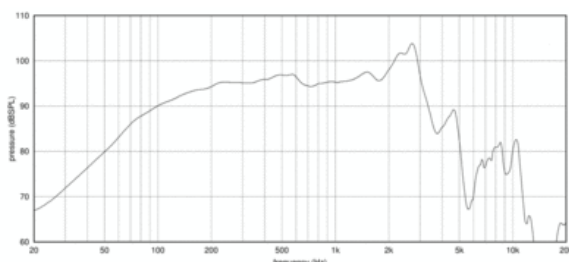
- 97 dB SPL 1W/ 1m average sensitivity
- 88 mm (3 in) ISV voice coil
- 900 WAES power handling
- Extremely balanced BL shape for maximum SPL
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry for extended mid-band clarity
- Ideal for two-ways and line array applications
- 2 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 | 8 Ω |
| Minimum Impedance | 5.8 Ω |
| Nominal Power Handling ¹ | 900 W |
| Continuous Power Handling ² | 1800 W |
| Sensitivity ³ | 97.0 dB |
| Frequency Range | 50 - 3000 Hz |
| Voice Coil Diameter | 88 mm (3.5 in) |

DESIGN

| | |
|-----------------------|--|
| Surround Shape | Triple roll |
| Cone Shape | Curvilinear |
| Magnet Material | Neo |
| Recommended Enclosure | 50.0 dm ³ (1.77 ft ³) |
| Recommended Tuning | 58 Hz |

PARAMETERS⁴

| | |
|---------------------|--|
| Resonance Frequency | 53 Hz |
| Re | 5.1 Ω |
| Qes | 0.35 |
| Qms | 8.0 |
| Qts | 0.33 |
| Vas | 45.0 dm ³ (1.59 ft ³) |
| Sd | 531.0 cm ² (82.31 in ²) |
| η _o | 1.8 % |
| X _{max} | 8.3 mm |
| M _{ms} | 80.0 g |
| Bl | 19.5 Txm |
| Le | 0.46 mH |
| EBP | 151 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.