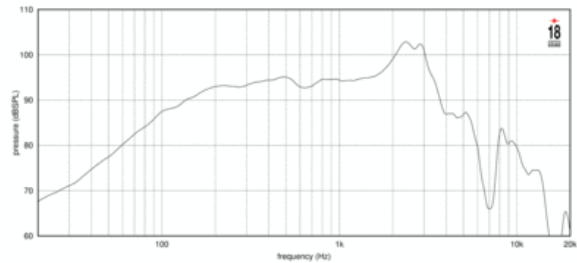
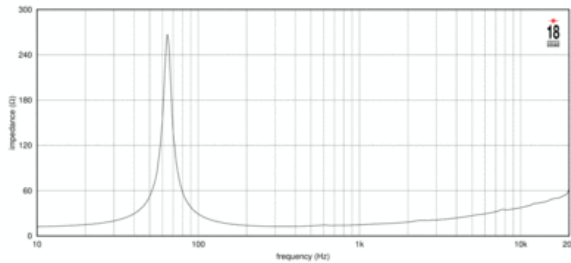


- 94 dB SPL 1W/ 1m average sensitivity
- 88 mm (3 in) ISV voice coil
- 800 WAES power handling
- Extremely balanced BL shape for maximum SPL
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry for extended mid-band clarity
- Ideal for two-ways and line array applications
- 2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

The 10NTLW3500 represents the last add on to the dual gap family, which is the state of the art of 18sound components and technology for high power, finest quality applications. The dual gap technology comes directly from the Tetracoil motor structure and applies its benefits to a wider frequency band, making the 10NTLW3500 capable of working perfectly both as a woofer and as a midbass with unmatched power and the lowest distortion/pressure ratio in this dimension. Optimized thermal conductivity allows great power handling (up to 1600 watts), the extremely balanced Bl shape together with the ultra linear suspension, maximizes Spl keeping the lowest intermodulation distortion in the market, giving the 10NTLW3500 the amazing capability of reproducing a deep and full low end, together with perfect clarity mids. Both magnetic gaps are also equipped with two separated single demodulating rings. This unique features, makes the 10NTLW3500 the perfect component for highest quality line arrays and two way systems without the need of a midband dedicated component.



SPECIFICATIONS

| | |
|----------------------------------------|-------------------|
| Nominal Impedance | 16 Ω |
| Minimum Impedance | 12.6 Ω |
| Nominal Power Handling ¹ | 800 W |
| Continuous Power Handling ² | 1600 W |
| Sensitivity ³ | 94.0 dB |
| Frequency Range | 60 - 3500 Hz |
| Voice Coil Diameter | 88 mm (3.5 in) |
| Winding Depth | 19.0 mm (0.75 in) |
| Magnetic Gap Depth | 12.5 mm (0.49 in) |

DESIGN

| | |
|------------------------|----------------------------------------------|
| Surround Shape | Triple roll |
| Cone Shape | Curvilinear |
| Magnet Material | Neo |
| Woofers Cone Treatment | Reinforced, water repellent, treated paper |
| Recommended Enclosure | 20.0 dm ³ (0.71 ft ³) |
| Recommended Tuning | 58 Hz |

PARAMETERS⁴

| | |
|---------------------|------------------------------------------------|
| Resonance Frequency | 64 Hz |
| Re | 11.4 Ω |
| Qes | 0.46 |
| Qms | 10.8 |
| Qts | 0.45 |
| Vas | 18.1 dm ³ (0.64 ft ³) |
| Sd | 346.0 cm ² (53.63 in ²) |
| η _o | 1.0 % |
| X _{max} | 6.4 mm |
| X _{var} | 8.5 mm |
| M _{ms} | 58.0 g |
| Bl | 23.9 Txm |
| Le | 0.69 mH |
| EBP | 139 Hz |

MOUNTING AND SHIPPING INFO

| | |
|-----------------------------|--------------------|
| Overall Diameter | 260 mm (10.24 in) |
| Bolt Circle Diameter | 245 mm (9.65 in) |
| Baffle Cutout Diameter | 233.0 mm (9.17 in) |
| Depth | 177 mm (6.97 in) |
| Flange and Gasket Thickness | 10 mm (0.39 in) |
| Net Weight | 4.2 kg (9.26 lb) |
| Shipping Weight | 4.7 kg (10.36 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.