10NTLS2000 4Ω

LF drivers - 10.0 Inches



- Tetracoil Technology
- 95 dB SPL 1W / 1m average sensitivity
- 51 mm (2 in) double layer voice coil
- 350 W AES 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

The 10NTLS2000 represents the latest 18sound technology for high quality, low distortion applications. The Tetracoil technology maximize benefits in terms of thermal dissipation and Bl symmetry, making the 10NTLS2000 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 10NTLS2000 the perfect component for highest quality line arrays and two way systems, thanks also to its 700 watts power handling capabilities.

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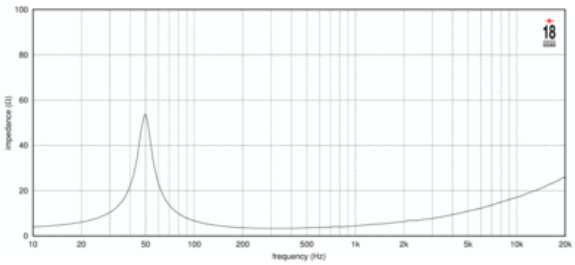

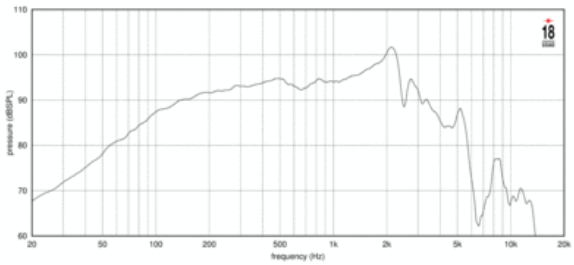

SPECIFICATIONS

Nominal Diameter	260 mm (10.0 in)
Nominal Impedance	4 Ω
Minimum Impedance	3.3 Ω
Nominal Power Handling[1]	350 W
Continuous Power Handling[2]	700 W
Sensitivity[3]	95.0 dB
Frequency Range	50 - 2000 Hz
Voice Coil Diameter	51 mm (2.0 in)
Winding Material	aluminum
Winding Depth	19.0 mm (0.75 in)
Magnetic Gap Depth	8.5 mm (0.33 in)

DESIGN

Surround Shape	Triple roll
Cone Shape	Straight
Magnet Material	Neo
Pole Design	Dual Gap
Woofer Cone Treatment	Weather protected
Recommended Enclosure	14.0 dm^3 (0.49 ft^3)
Recommended Tuning	60 Hz

PARAMETERS[4]

Resonance Frequency	49 Hz
Re	3.1 Ω
Qes	0.33
Qms	5.5
Qts	0.31
Vas	43.0 dm^3 (1.52 ft^3)
Sd	346.0 cm^2 (53.63 in^2)
η_0	1.4 %
Xmax	7.5 mm
Xvar	5.2 mm
Mms	42.0 g
Bl	11.0 Txm
Le	0.32 mH
EBP	148 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	141 mm (5.55 in)
Flange and Gasket Thickness	10 mm (0.39 in)
Net Weight	1.9 kg (4.19 lb)
Shipping Weight	2.3 kg (5.07 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.