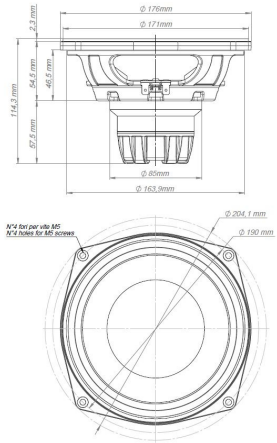
7NTLW2000 8Ω

LF drivers - 7.0 Inches





- Tetracoil ultra linear motor
- 350W AES power handling
- 51 mm (2 in) CCAW voice coil
- Extremely balanced BL shape for maximum SPL
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry for extended mid-band clarity
- Ideal for super light line array applications

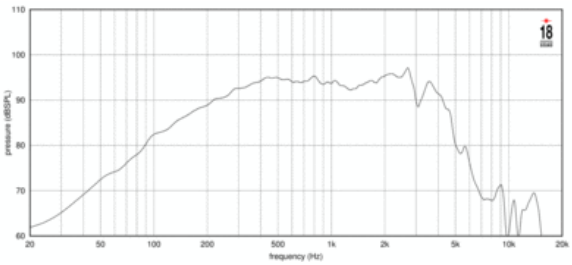
18Sound keeps expanding its tetracoil family to new diameters. The 7NTLW2000 represents the latest 18sound technology for high quality, low distortion applications. The smallest Tetracoil motor structure of the family uses the same concept to maximize its benefits in terms of thermal dissipation and Bl symmetry to a wide frequency band, making the 7NTLW2000 the perfect midbass component for the lightest possible line arrays.

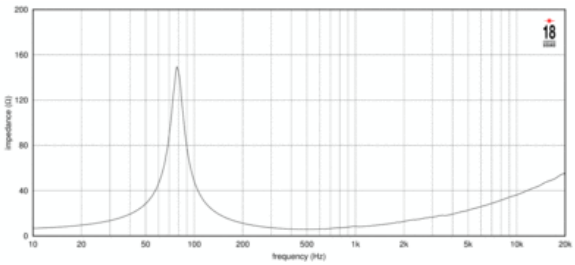
Tetracoil motors linearize inductance and the perfect balance we reached between the motor and the ultra linear suspension allows both very high excursion and extreme precision in the mid band with the lowest intermodulation distortion in the professional market.
This features, together with its extreme low weight make the 7NTLW2000 the perfect component for highest quality line arrays and multi-way systems.

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7NTLW2000 8Ω

LF drivers - 7.0 Inches





SPECIFICATIONS

Nominal Impedance	8 Ω
Minimum Impedance	6.0 Ω
Nominal Power Handling[1]	350 W
Continuous Power Handling[2]	700 W
Sensitivity[3]	96.0 dB
Frequency Range	70 - 4000 Hz
Voice Coil Diameter	51 mm (2.0 in)
Winding Material	aluminum
Winding Depth	13.0 mm (0.51 in)
Magnetic Gap Depth	8.5 mm (0.33 in)

DESIGN

Surround Shape	Triple roll
Cone Shape	Curvilinear
Magnet Material	Neo
Pole Design	Dual Gap
Woofer Cone Treatment	Weather protected
Recommended Enclosure	2.0 dm^3 (0.07 ft^3)
Recommended Tuning	90 Hz

PARAMETERS[4]

Resonance Frequency	78 Hz
Re	5.3 Ω
Qes	0.22
Qms	6.0
Qts	0.21
Vas	7.0 dm^3 (0.25 ft^3)
Sd	176.7 cm^2 (27.39 in^2)
η_0	1.4 %
Xmax	4.4 mm
Xvar	6.0 mm
Mms	26.0 g
Bl	17.5 Txm
Le	0.7 mH
EBP	354 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	194 mm (7.64 in)
Bolt Circle Diameter	182 mm (7.17 in)
Baffle Cutout Diameter	165.0 mm (6.5 in)
Depth	114 mm (4.51 in)
Flange and Gasket Thickness	10 mm (0.41 in)
Net Weight	1.3 kg (2.87 lb)
Shipping Weight	1.5 kg (3.31 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.

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