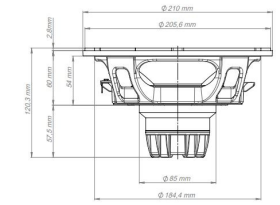
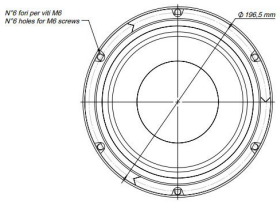
8NTLW2000 8Ω

LF drivers - 8.0 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

The 8NTLW2000 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 8NTLW2000 the perfect component both as a woofer and a midbass.
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 8NTLW2000 the perfect component for highest quality line arrays and multi-way systems.

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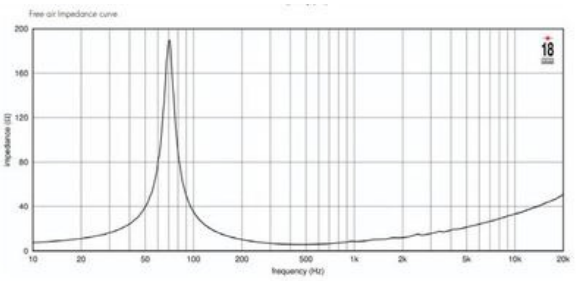

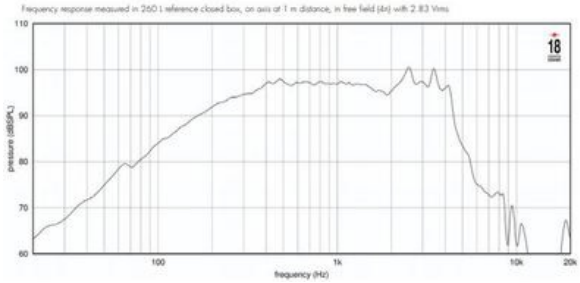

SPECIFICATIONS

Nominal Impedance	8 Ω
Minimum Impedance	5.8 Ω
Nominal Power Handling[1]	350 W
Continuous Power Handling[2]	700 W
Sensitivity[3]	97.5 dB
Frequency Range	70 - 4500 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	Double roll
Cone Shape	Curvilinear
Woofer Cone Treatment	Water,UV repellent
Recommended Enclosure	15.0 dm^3 (0.53 ft^3)
Recommended Tuning	100 Hz

PARAMETERS[4]

Resonance Frequency	71 Hz
Re	5.2 Ω
Qes	0.21
Qms	8.1
Qts	0.21
Vas	13.0 dm^3 (0.46 ft^3)
Sd	227.0 cm^2 (35.19 in^2)
η_0	2.2 %
Xmax	4.4 mm
Xvar	5.0 mm
Mms	28.0 g
Bl	17.5 Txm
Le	0.63 mH
EBP	338 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	210 mm (8.27 in)
Bolt Circle Diameter	196 mm (7.74 in)
Baffle Cutout Diameter	186.0 mm (7.32 in)
Depth	121 mm (4.76 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	1.5 kg (3.31 lb)
Shipping Weight	1.9 kg (4.19 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.