12NTLX3500 8Ω

LF drivers - 12.0 Inches

- 95.5 dB SPL 1W / 1m average sensitivity
- 88 mm (3.5 in) voice coil
- 600 W AES power handling
- Extremely balanced BL shape
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry
- Ideal for compact subwoofers
- Very light Neo Motor

The 12NTLX3500 represents the latest 18sound technology for high quality, low frequency applications. The Dual gap motor structure maximize its benefits in therms of thermal dissipation and Bl symmetry, making the 12NTLX3500 the perfect component for high quality, low tuning, compact subwoofers.

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 12NTLX3500 the perfect component for highest quality compact subwoofers, thanks also to its 1200 watts power handling capabilities.

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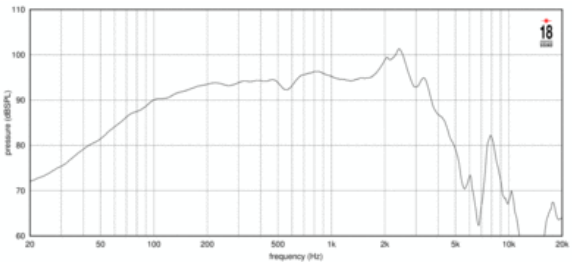
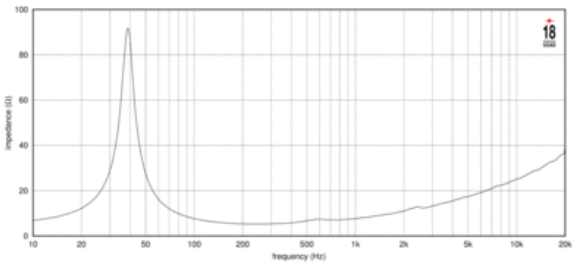
LF drivers - 12.0 Inches





SPECIFICATIONS

Nominal Impedance	8 Ω
Minimum Impedance	5.3 Ω
Nominal Power Handling[1]	600 W
Continuous Power Handling[2]	1200 W
Sensitivity[3]	95.5 dB
Frequency Range	40 - 4000 Hz
Voice Coil Diameter	88 mm (3.46 in)
Winding Material	aluminum
Winding Depth	22.0 mm (0.87 in)
Magnetic Gap Depth	12.5 mm (0.49 in)

DESIGN

Surround Shape	Single roll - Rubber
Cone Shape	Curvilinear
Magnet Material	Neo
Woofer Cone Treatment	Weather protected
Recommended Enclosure	60.0 dm^3 (2.12 ft^3)
Recommended Tuning	45 Hz

PARAMETERS[4]

Resonance Frequency	39 Hz
Re	5.0 Ω
Qes	0.35
Qms	6.2
Qts	0.33
Vas	79.6 dm^3 (2.81 ft^3)
Sd	531.0 cm^2 (82.31 in^2)
η_0	1.2 %
Xmax	7.9 mm
Xvar	9.2 mm
Mms	86.0 g
Bl	17.1 Txm
Le	0.52 mH
EBP	111 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	310 mm (12.2 in)
Bolt Circle Diameter	295 mm (11.61 in)
Baffle Cutout Diameter	283.0 mm (11.14 in)
Depth	194 mm (7.64 in)
Flange and Gasket Thickness	15 mm (0.59 in)
Net Weight	4.6 kg (10.14 lb)
Shipping Weight	5.6 kg (12.35 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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