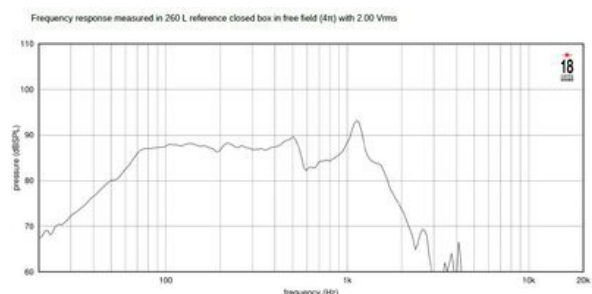
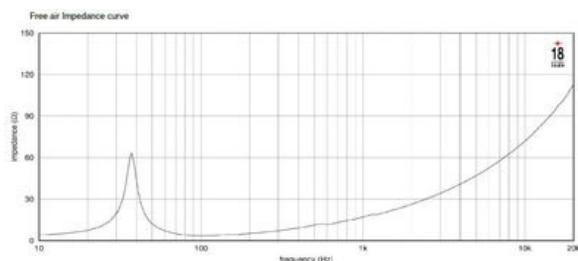


- 43mm Tetracoil
- Double silicon spider
- Single rubber ultra long roll
- Double silicon spider
- Super flat BL and symmetric Inductance

The 18NTLS5000 represents the latest 18sound technology for high quality, low distortion applications, in compact subwoofers suitable for HIFI and high power cinema usage. The longest tetracoil we ever developed (43mm deep) is pushing an high mass membrane, while an ultra long suspension system, made of a single roll rubber surround and a double silicon spider keeps everything in control even at the highest excursions.

Thanks to the combination of the super wide BL symmetry provided by the tetracoil technology and the state of the art suspension compartment, the 18NTLS5000 represent the perfect hybrid between high power professional drivers and HIFI oriented applications.





# 18NTLS5000 4Ω

LF drivers - 18.0 Inches

## SPECIFICATIONS

|                                        |                   |
|----------------------------------------|-------------------|
| Nominal Impedance                      | 4 Ω               |
| Minimum Impedance                      | 3.6 Ω             |
| Nominal Power Handling <sup>1</sup>    | 1800 W            |
| Continuous Power Handling <sup>2</sup> | 3600 W            |
| Sensitivity <sup>3</sup>               | 89.0 dB           |
| Frequency Range                        | 35 - 4000 Hz      |
| Voice Coil Diameter                    | 115 mm (4.5 in)   |
| Winding Depth                          | 43.0 mm (1.69 in) |
| Magnetic Gap Depth                     | 15.0 mm (0.59 in) |

## PARAMETERS<sup>4</sup>

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Resonance Frequency | 37 Hz                                            |
| Re                  | 2.7 Ω                                            |
| Qes                 | 0.35                                             |
| Qms                 | 8.4                                              |
| Qts                 | 0.33                                             |
| Vas                 | 75.0 dm <sup>3</sup> (2.65 ft <sup>3</sup> )     |
| Sd                  | 1225.0 cm <sup>2</sup> (189.88 in <sup>2</sup> ) |
| η <sub>o</sub>      | 1.1 %                                            |
| X <sub>max</sub>    | 17.75 mm                                         |
| X <sub>var</sub>    | 19.0 mm                                          |
| M <sub>ms</sub>     | 510.0 g                                          |
| Bl                  | 30.7 Txm                                         |
| Le                  | 2.0 mH                                           |
| EBP                 | 105 Hz                                           |

## DESIGN

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Magnet Material       | Neo                                           |
| Recommended Enclosure | 120.0 dm <sup>3</sup> (4.24 ft <sup>3</sup> ) |
| Recommended Tuning    | 40 Hz                                         |

## MOUNTING AND SHIPPING INFO

|                             |                     |
|-----------------------------|---------------------|
| Overall Diameter            | 462 mm (18.19 in)   |
| Bolt Circle Diameter        | 440 mm (17.32 in)   |
| Baffle Cutout Diameter      | 417.0 mm (16.42 in) |
| Depth                       | 330 mm (13.0 in)    |
| Flange and Gasket Thickness | 31 mm (1.22 in)     |
| Net Weight                  | 13.6 kg (29.98 lb)  |
| Shipping Weight             | 14.5 kg (31.97 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.