

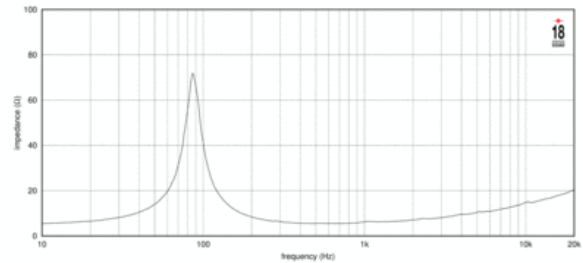
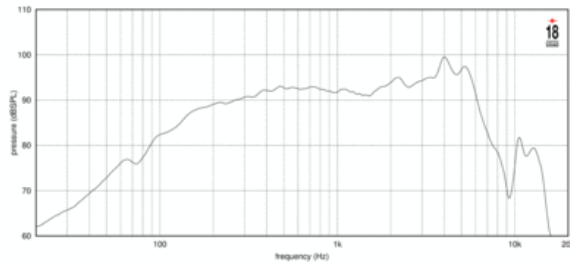


- Dual gap ultra linear motor
- 320W AES power handling
- 51 mm (2 in) voice coil
- Extremely balanced BL shape for maximum SPL
- Optimized thermal conductivity
- Maximum linearity and inductance symmetry for extended mid-band clarity
- Ideal for super light line array applications

The 6NTLW2000 represents the latest 18sound technology for high quality, low distortion applications. The smallest dual gap 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 6NTLW2000 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 6NTLW2000 the perfect component for highest quality line arrays and multi-way systems.



### SPECIFICATIONS

|                                        |                   |
|----------------------------------------|-------------------|
| Nominal Diameter                       | 152 mm ( in)      |
| Nominal Impedance                      | 8 Ω               |
| Minimum Impedance                      | 5.5 Ω             |
| Nominal Power Handling <sup>1</sup>    | 320 W             |
| Continuous Power Handling <sup>2</sup> | 600 W             |
| Sensitivity <sup>3</sup>               | 93.0 dB           |
| Frequency Range                        | 75 - 8000 Hz      |
| Voice Coil Diameter                    | 51 mm (2.0 in)    |
| Winding Material                       | aluminum          |
| Winding Depth                          | 14.0 mm (0.55 in) |
| Magnetic Gap Depth                     | 8.5 mm (0.33 in)  |

### DESIGN

|                       |                                             |
|-----------------------|---------------------------------------------|
| Surround Shape        | M-roll                                      |
| Cone Shape            | Curvilinear                                 |
| Magnet Material       | Neo                                         |
| Woofer Cone Treatment | Weather protected                           |
| Recommended Enclosure | 3.5 dm <sup>3</sup> (0.12 ft <sup>3</sup> ) |
| Recommended Tuning    | 85 Hz                                       |

### PARAMETERS<sup>4</sup>

|                     |                                                |
|---------------------|------------------------------------------------|
| Resonance Frequency | 86 Hz                                          |
| Re                  | 5.1 Ω                                          |
| Qes                 | 0.38                                           |
| Qms                 | 5.0                                            |
| Qts                 | 0.35                                           |
| Vas                 | 4.6 dm <sup>3</sup> (0.16 ft <sup>3</sup> )    |
| Sd                  | 133.0 cm <sup>2</sup> (20.62 in <sup>2</sup> ) |
| η <sub>o</sub>      | 0.7 %                                          |
| X <sub>max</sub>    | 4.9 mm                                         |
| X <sub>var</sub>    | 7.5 mm                                         |
| M <sub>ms</sub>     | 19.0 g                                         |
| Bl                  | 11.6 Txm                                       |
| Le                  | 0.22 mH                                        |
| EBP                 | 226 Hz                                         |

### MOUNTING AND SHIPPING INFO

|                             |                                   |
|-----------------------------|-----------------------------------|
| Overall Diameter            | 162 mm (6.38 in)                  |
| Bolt Circle Diameter        | 170 mm (6.69 in)                  |
| Baffle Cutout Diameter      | 148.0 mm (5.83 in)                |
| Depth                       | 108 mm (4.25 in)                  |
| Flange and Gasket Thickness | 14 mm (0.55 in)                   |
| Net Weight                  | 1.2 kg (2.65 lb)                  |
| Shipping Weight             | 1.5 kg (3.31 lb)                  |
| Shipping Box                | 185x170x85 mm (7.28x6.69x3.35 in) |

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.