



- 96,5 dB SPL 1W-1m average sensitivity
- 700 W program power handling
- 75 mm (3 in) Interleaved sandwich voice coil
- External Neodymium magnet assembly
- Single Demodulating Ring (SDR) for lower distortion and maximum sound clarity
- Copper ring for reduced distortion and increased output
- Weather protected cone and coated plates
- Suitable for high performance line array and compact two way systems

18 Sound's 8NMB750 mid-bass neodymium transducer is a state-of-the-art 8-inch neodymium midbass driver that combines excellent linearity with high power handling capabilities (700 W), very low distortion and reduced power compression .

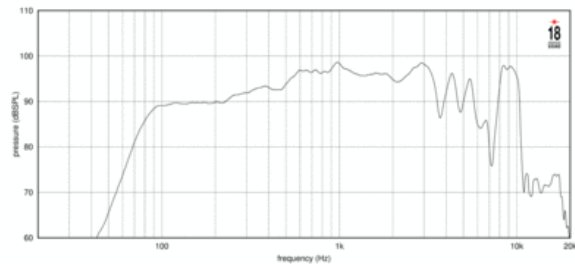
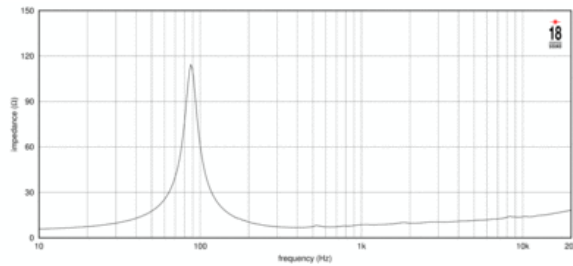
The external neodymium magnet assembly assures high flux concentration and excellent heat exchange.

The 75mm (3 in) inside outside aluminum voice coil employs Interleaved Sandwich Voice coil (ISV) technology.

A sophisticated distortion reduction system has been implemented using a demodulating ring for flux modulation cancellation related to voice coil excursion, together with a copper ring for the reduction of intermodulation distortion. Both systems are linearizing the inductance in relation to the excursion as well as the current variation.

The cone is treated against extremely aggressive environment conditions.

The compact size makes the 8NMB750 an ideal choice for high performance line arrays and compact two-way systems.



### SPECIFICATIONS

|                                        |                |
|----------------------------------------|----------------|
| Nominal Impedance                      | 8 Ω            |
| Minimum Impedance                      | 6.8 Ω          |
| Nominal Power Handling <sup>1</sup>    | 350 W          |
| Continuous Power Handling <sup>2</sup> | 700 W          |
| Sensitivity <sup>3</sup>               | 96.5 dB        |
| Frequency Range                        | 80 - 6000 Hz   |
| Voice Coil Diameter                    | 75 mm (3.0 in) |
| Winding Material                       | aluminum       |

### DESIGN

|                        |                                              |
|------------------------|----------------------------------------------|
| Surround Shape         | Triple roll                                  |
| Cone Shape             | Curvilinear                                  |
| Magnet Material        | Neo                                          |
| Woofers Cone Treatment | Water,UV repellent                           |
| Recommended Enclosure  | 12.0 dm <sup>3</sup> (0.42 ft <sup>3</sup> ) |
| Recommended Tuning     | 95 Hz                                        |

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

|                     |                                                |
|---------------------|------------------------------------------------|
| Resonance Frequency | 88 Hz                                          |
| Re                  | 5.2 Ω                                          |
| Qes                 | 0.28                                           |
| Qms                 | 6.1                                            |
| Qts                 | 0.27                                           |
| Vas                 | 6.9 dm <sup>3</sup> (0.24 ft <sup>3</sup> )    |
| Sd                  | 230.0 cm <sup>2</sup> (35.65 in <sup>2</sup> ) |
| η <sub>o</sub>      | 1.5 %                                          |
| X <sub>max</sub>    | 6.1 mm                                         |
| X <sub>var</sub>    | 8.0 mm                                         |
| M <sub>ms</sub>     | 35.0 g                                         |
| Bl                  | 18.7 Txm                                       |
| Le                  | 0.29 mH                                        |
| EBP                 | 314 Hz                                         |

### MOUNTING AND SHIPPING INFO

|                             |                                    |
|-----------------------------|------------------------------------|
| Overall Diameter            | 225 mm (8.86 in)                   |
| Bolt Circle Diameter        | 210 mm (8.27 in)                   |
| Baffle Cutout Diameter      | 186.0 mm (7.32 in)                 |
| Depth                       | 105 mm (4.13 in)                   |
| Flange and Gasket Thickness | 11 mm (0.43 in)                    |
| Net Weight                  | 3.5 kg (7.72 lb)                   |
| Shipping Weight             | 4.2 kg (9.26 lb)                   |
| Shipping Box                | 235x235x150 mm (9.25x9.25x5.91 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.