8NMB750 8Ω

LF drivers - 8.0 Inches

- 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.

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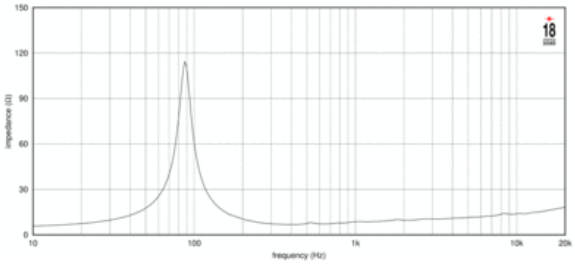

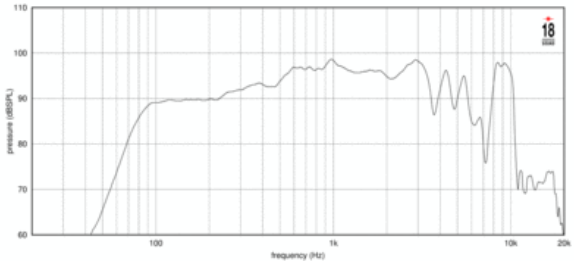

SPECIFICATIONS

Nominal Impedance	8 Ω
Minimum Impedance	6.8 Ω
Nominal Power Handling[1]	350 W
Continuous Power Handling[2]	700 W
Sensitivity[3]	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
Woofer Cone Treatment	Water,UV repellent
Recommended Enclosure	12.0 dm^3 (0.42 ft^3)
Recommended Tuning	95 Hz

PARAMETERS[4]

Resonance Frequency	88 Hz
Re	5.2 Ω
Qes	0.28
Qms	6.1
Qts	0.27
Vas	6.9 dm^3 (0.24 ft^3)
Sd	230.0 cm^2 (35.65 in^2)
η_0	1.5 %
Xmax	6.1 mm
Xvar	8.0 mm
Mms	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.

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