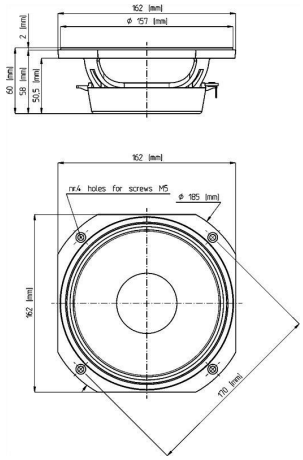
# 6NMB900 8Ω

## LF drivers - 6.5 Inches





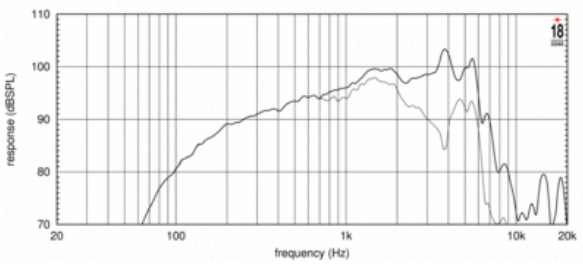

- 97 dB SPL 1W / 1m average sensitivity
- 44 mm (1 3/4 in) aluminum voice coil
- 200 W AES power handling
- External neodymium magnet assembly
- Single Demodulating Ring (SDR) for lower distortion
- Weather protected cone and plates for outdoor usage
- Improved heat dissipation via Active Cooling System
- Specially designed for line arrays and compact two way applications

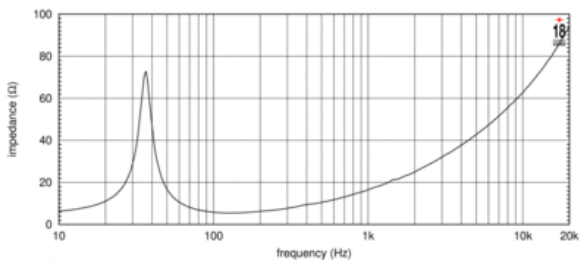
The 6NMB900 is the evolution of the 6NMB420 neodymium midbass speaker. This new 6.5 inch neodymium midbass transducer has been designed for mid low frequency reproduction in system designs where high intelligibility is required. 6NMB900 is suitable as mid-bass in line array systems or multiple way systems with high-pass crossover above 200 Hz and low-pass up to 3kHz; enclosure might be closed or vented with volume size starting from 2 lit.
The speaker offers a superb linearity: distortion values are further minimized by new enhanced design criterias, taking the 6NMB900 to very high level of performance.
The extremely powerful external neodymium magnet assembly assures high flux concentration, low power compression and excellent heat exchange. The levels of force factor and power handling are, as a consequence, at the upper professional level with best power to weight ratio.
A consistent heat transfer is guaranteed by the encapsulation of the magnetic structure in the interior of the basket, offering a large contact space between the back plate and the dissipating structure.
Particular efforts were dedicated to the new surround shape and material design, in order to minimize the resonances on mid range frequencies. The new multiroll design offers a consistent damping to typical bell modes.
The 44 mm voice coil is made of light-weight aluminum wire and assures linearity and high power handling.
The ability to perform in humid environments is a key feature of the 6NMB900: this is achieved through a proprietary humidity repellent cone treatment.

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# 6NMB900 8Ω

## LF drivers - 6.5 Inches




### SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 152 mm ( in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.0 Ω |
| Nominal Power Handling[1] | 200 W |
| Continuous Power Handling[2] | 260 W |
| Sensitivity[3] | 97.0 dB |
| Frequency Range | 200 - 7000 Hz |
| Voice Coil Diameter | 44 mm (1.75 in) |
| Winding Material | aluminum |

### DESIGN

| | |
|---|---|
| Surround Shape | Triple roll |
| Cone Shape | Curvilinear |
| Magnet Material | Neo |
| Woofer Cone Treatment | Weather protected |
| Recommended Enclosure | 6.0 $dm^3$ (0.21 $ft^3$) |
| Recommended Tuning | 100 Hz |

### PARAMETERS[4]

| | |
|---|---|
| Resonance Frequency | 95 Hz |
| Re | 5.2 Ω |
| Qes | 0.36 |
| Qms | 2.87 |
| Qts | 0.32 |
| Vas | 10.3 $dm^3$ (0.36 $ft^3$) |
| Sd | 130.0 $cm^2$ (20.15 $in^2$) |
| Xmax | 3.0 mm |
| Mms | 7.4 g |
| Bl | 8.5 Txm |
| Le | 0.1 mH |
| EBP | 263 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 | 73 mm (2.87 in) |
| Flange and Gasket Thickness | 11 mm (0.43 in) |
| Net Weight | 1.25 kg (2.76 lb) |
| Shipping Weight | 1.45 kg (3.2 lb) |
| Shipping Box | 185x170x85mm 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.

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