



- 97 dB SPL 1W / 1m average sensitivity
- 44 mm (1 3/4 in) aluminum voice coil
- 200 WAES 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.

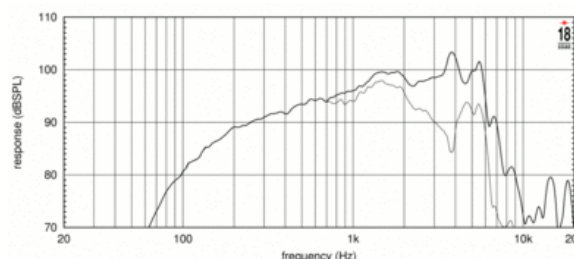
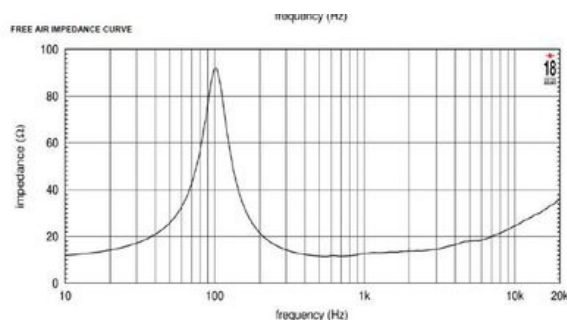
The extremely powerful external neodymium magnet assembly assures high flux concentration, low power compression and excellent heat exchange. The levels of force factor and power handling are, as a consequence, at the upper professional level with best power to weight ratio.

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.



ESPECIFICACIÓN

| | |
|-----------------------------|-----------------|
| Diámetro nominal | 152 mm (in) |
| Impedancia nominal | 16 Ω |
| Impedancia mínima | 11.5 Ω |
| Manejo de potencia nominal | 200 W |
| Manejo de potencia continua | 260 W |
| Sensibilidad | 96.0 dB |
| Rango de frecuencia | 200 - 7000 Hz |
| Diámetro de la bobina | 44 mm (1.73 in) |

DISEÑO

| | |
|----------------------|---|
| Recinto recomendado | 6.0 dm ³ (0.21 ft ³) |
| Sintonía recomendada | 100 Hz |

PARÁMETROS

| | |
|--------------------------|--|
| Frecuencia de resonancia | 100 Hz |
| Re | 10.1 Ω |
| Qes | 0.38 |
| Qms | 3.1 |
| Qts | 0.34 |
| Vas | 6.65 dm ³ (0.23 ft ³) |
| Sd | 130.0 cm ² (20.15 in ²) |
| Xmax | 3.0 mm |
| Mms | 9.0 g |
| Bl | 12.4 Txm |
| Le | 0.19 mH |
| EBP | 263 Hz |

INFORMACIÓN DE MONTAJE Y ENVÍO

| | |
|---|-------------------------------------|
| Diámetro total | 162 mm (6.38 in) |
| Diámetro de circunferencia de los tornillos | 170 mm (6.69 in) |
| Diámetro de la perforación en el baffle | 148.0 mm (5.83 in) |
| Profundidad | 73 mm (2.87 in) |
| Espesor del reborde y junta | 11 mm (0.43 in) |
| Peso neto | 1.25 kg (2.76 lb) |
| Peso del envío | 1.45 kg (3.2 lb) |
| Caja de envío | 185x170x85mm mm (7.28x6.69x3.35 in) |