

WSN061.52

Lavoce

6.5" WOOFER

NEODYMIUM MAGNET
STEEL BASKET DRIVER



- 1.5 INCH COPPER VOICE COIL
- 94 dB/SPL SENSITIVITY
- 200 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN

GENERAL SPECIFICATIONS

| | | |
|----------------------------|---------------------------|----------------------|
| Nominal diameter | mm (in.) | 165 (6.5) |
| Nominal impedance | Ω | 8 |
| Minimum impedance | Ω | 6,2 |
| Program power (1) | W | 200 |
| AES Power rating (2) | W | 100 |
| Sensitivity (3) | dB | 94 |
| Frequency range | Hz | 90 ÷ 6000 |
| Voice coil diameter | mm (in.) | 38 (1.5) |
| Chassis material | Steel | |
| Magnet material | Neodymium | |
| Magnet dimensions | mm | 75 x 45 x 4 |
| OD x ID x h | (in.) | (2.95 x 1.77 x 0.16) |
| Coil material | Copper | |
| Former material | Polyimide | |
| Cone material | Water Proof Treated Paper | |
| Surround material | Polycotton | |
| Xmax (4) | mm (in.) | 3,8 (0.16) |
| Xmech (5) | mm (in.) | 6,3 (0.25) |
| Gap height | mm (in.) | 6 (0.24) |
| Voice coil winding height | mm (in.) | 10,6 (0.42) |
| Driver displacement volume | l (ft ³) | 0,3 (0.01) |

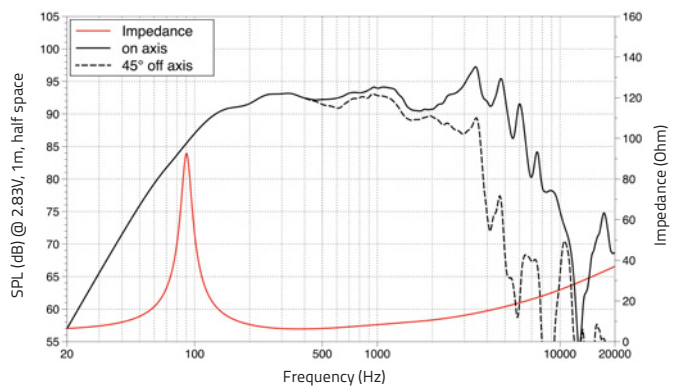
SMALL SIGNAL PARAMETERS

| | | | |
|-----------------------|-------|-------------------------------------|-------------|
| DC resistance | Re | Ohm | 5,4 |
| Resonance frequency | Fs | Hz | 90 |
| Moving mass | Mms | g (oz) | 13,4 (0.47) |
| Compliance | Cms | mm/N | 0,23 |
| Force factor | BxL | N/A | 9,7 |
| Mechanical Q-factor | Qms | | 7,2 |
| Electrical Q-factor | Qes | | 0,45 |
| Total Q-factor | Qts | | 0,42 |
| Equivalent air volume | Vas | l (ft ³) | 6,7 (0.24) |
| Voice coil Inductance | Le | mH | 0,4 |
| Diaphragm area | Sd | cm ² (in. ²) | 143 (22.17) |
| Reference efficiency | Eta 0 | % | 1 |

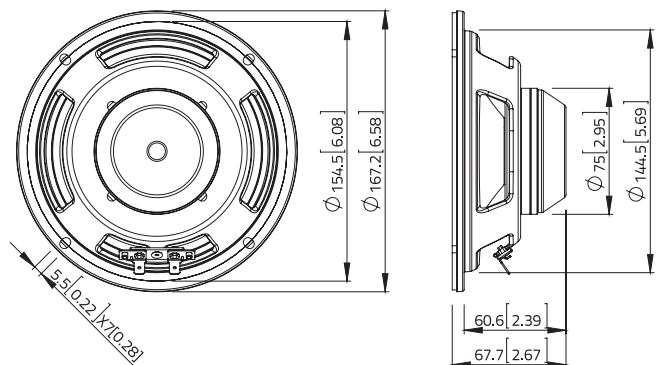
SHIPPING INFORMATION

| | | |
|--------------------|----------|---------------------|
| Net weight | kg (lb.) | 0,9 (2) |
| Multipack size (8) | mm | 410 x 370 x 208 |
| W x D x H | (in.) | (16.1 x 14.6 x 8.2) |
| Multipack weight | kg (lb.) | 9,9 (21.9) |

FREQUENCY RESPONSE



DIMENSIONS mm (in.)



(1) Program power is defined as 3 dB greater than AES Power. (2) Tested for two hours using a continuous, band-limited pink noise signal as per AES 2-1984 Rev. 2003. Loudspeaker tested in free air. (3) From T/S parameters, measured with Klippel DA LPM module. (4) The Xmax is calculated as: $(Hvc - Hg)/2 + Hg/4$. Hvc is the voice coil height and Hg the gap height. (5) The Xmech is calculated as: $(Hvc - Hg)/2 + (Hg - 2)$. Hvc is the voice coil height and Hg the gap height. (6) Thiele-Small parameters are measured after preconditioning: a) at 20°C - 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

All specifications subject to change without notice_B.a

