

WAN124.01

Lavoce

12" WOOFER

NEODYMIUM MAGNET
ALUMINIUM BASKET DRIVER



- 4 INCH COPPER VOICE COIL
- 96 dB/SPL SENSITIVITY
- 2000 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- OPTIMIZED COOLING SYSTEM
- ALUMINIUM DEMODULATING RING
- DOUBLE SILICON SPIDER
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN
- TRIPLE ROLL SURROUND

GENERAL SPECIFICATIONS

| | | |
|----------------------------------|---------------------------|-------------------------------------|
| Nominal diameter | mm (in.) | 300 (12) |
| Nominal impedance | Ω | 8 |
| Minimum impedance | Ω | 6,3 |
| Program power (1) | W | 2000 |
| AES Power rating (2) | W | 1000 |
| Sensitivity (3) | dB | 96 |
| Frequency range | Hz | 40 ÷ 2000 |
| Voice coil diameter | mm (in.) | 100 (4) |
| Chassis material | Aluminium | |
| Magnet material | Neodymium | |
| Magnet dimensions OD x ID x h | mm (in.) | 97 x 31 x 9 (3.82 x 1.22 x 0.35) |
| Coil material | Copper | |
| Former material | Glass Fiber | |
| Cone material | Water Proof Treated Paper | |
| Surround material | Polycotton | |
| Xmax (4) | mm (in.) | 8,5 (0.33) |
| Xmech (5) | mm (in.) | 17 (0.67) |
| Gap height | mm (in.) | 14 (0.55) |
| Voice coil winding height | mm (in.) | 24 (0.94) |
| Driver displacement volume | l (ft ³) | 2,5 (0.09) |

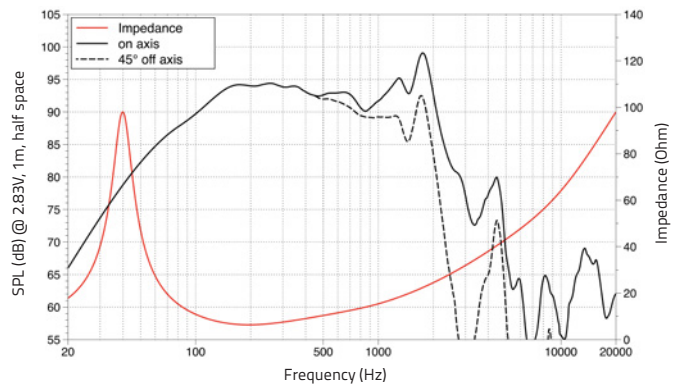
SMALL SIGNAL PARAMETERS

| | | | |
|-----------------------|-------|-------------------------------------|------------|
| DC resistance | Re | Ohm | 5 |
| Resonance frequency | Fs | Hz | 40 |
| Moving mass | Mms | g (oz) | 122 (4.3) |
| Compliance | Cms | mm/N | 0,12 |
| Force factor | BxL | N/A | 26,8 |
| Mechanical Q-factor | Qms | | 4 |
| Electrical Q-factor | Qes | | 0,22 |
| Total Q-factor | Qts | | 0,21 |
| Equivalent air volume | Vas | l (ft ³) | 51 (1.8) |
| Voice coil Inductance | Le | mH | 1,7 |
| Diaphragm area | Sd | cm ² (in. ²) | 540 (83.7) |
| Reference efficiency | Eta 0 | % | 1,5 |

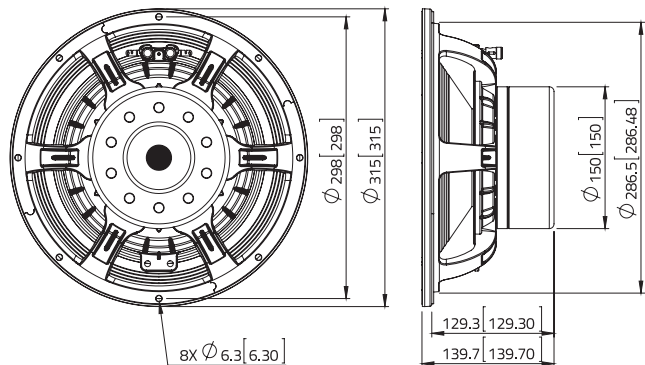
SHIPPING INFORMATION

| | | |
|--------------------|----------|------------------------------------|
| Net weight | kg (lb.) | 7,5 (16,5) |
| Multipack size (1) | mm (in.) | 356 x 356 x 192 (14 x 14 x 7.6) |
| Multipack weight | kg (lb.) | 8,8 (19.4) |

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

