

WAN123.00

Lavoce

12" WOOFER

NEODYMIUM MAGNET
ALUMINUM BASKET DRIVER



- 3 INCH VOICECOIL
- 99 dB/SPL SENSITIVITY
- 1000 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED NEODYMIUM MOTOR AND SUSPENSIONS
- OPTIMIZED COOLING SYSTEM
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN

GENERAL SPECIFICATIONS

| | | |
|----------------------------------|---------------------------|-------------------------|
| Nominal diameter | mm (in.) | 300 (12) |
| Nominal impedance | Ω | 8 |
| Minimum impedance | Ω | 5,6 |
| Program power (1) | W | 1000 |
| AES Power rating (2) | W | 500 |
| Sensitivity (3) | dB | 99 |
| Frequency range | Hz | 55 ÷ 3200 |
| Voice coil diameter | mm (in.) | 75 (3) |
| Chassis material | Aluminium | |
| Magnet material | Neodymium | |
| Magnet dimensions OD x ID x h | mm (in.) | 75 x 10 (2.95 x 0.4) |
| Coil material | CCAW | |
| Former material | Glass Fiber | |
| Cone material | Water Proof Treated Paper | |
| Surround material | Polycotton | |
| Xmax (4) | mm (in.) | 7,1 (0.28) |
| Xmech (5) | mm (in.) | 12,65 (0.5) |
| Gap height | mm (in.) | 10 (0.4) |
| Voice coil winding height | mm (in.) | 19,3 (0.76) |

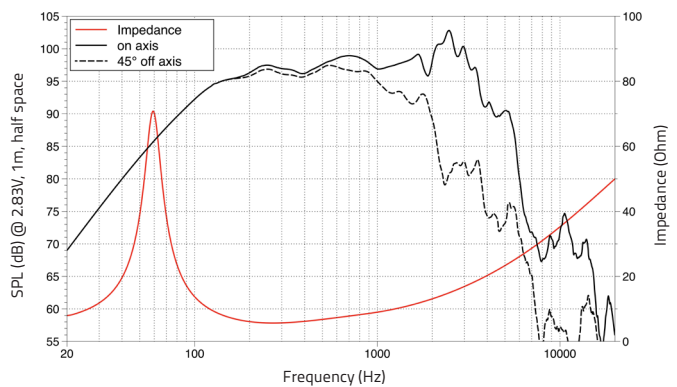
SMALL SIGNAL PARAMETERS

| | | | |
|-----------------------|-------|-------------------------------------|------------|
| DC resistance | Re | Ohm | 4,7 |
| Resonance frequency | Fs | Hz | 56 |
| Moving mass | Mms | g (oz) | 64 (2.26) |
| Compliance | Cms | mm/N | 0,13 |
| Force factor | BxL | N/A | 18,7 |
| Mechanical Q-factor | Qms | | 3,26 |
| Electrical Q-factor | Qes | | 0,30 |
| Total Q-factor | Qts | | 0,28 |
| Equivalent air volume | Vas | l (ft ³) | 50 (1.76) |
| Voice coil Inductance | Le | mH | 0,70 |
| Diaphragm area | Sd | cm ² (in. ²) | 531 (82.3) |
| Reference efficiency | Eta 0 | % | 2,8 |

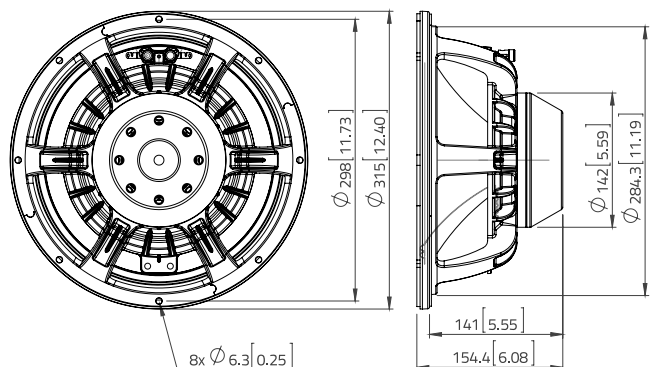
SHIPPING INFORMATION

| | | |
|--------------------|-----------------------------------|---|
| Net weight | Kg (lb.) | 5,23 (11.53) |
| Multipack size (2) | mm x mm x mm (in. x in. x in.) | 370 x 338 x 354 (14.6 x 13.3 x 13.9) |
| Multipack weight | Kg (lb.) | 11,2 (24.7) |

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.

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