

WAF124.01

Lavoce

12" SUBWOOFER

FERRITE MAGNET
ALUMINIUM BASKET DRIVER



- 4 INCH COPPER VOICE COIL
- 96,5 dB/SPL SENSITIVITY
- 2000 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- OPTIMIZED COOLING SYSTEM
- ALUMINIUM DEMODULATING RING
- DOUBLE SILICON SPIDER
- TRIPLE ROLL SURROUND

GENERAL SPECIFICATIONS

| | | |
|----------------------------------|---|--|
| Nominal diameter | mm (in.) | 300 (12) |
| Nominal impedance | Ω | 8 |
| Minimum impedance | Ω | 6,4 |
| Program power (1) | W | 2000 |
| AES Power rating (2) | W | 1000 |
| Sensitivity (3) | dB | 96,5 |
| Frequency range | Hz | 40 ÷ 1000 |
| Voice coil diameter | mm (in.) | 100 (4) |
| Chassis material | Aluminium | |
| Magnet material | Ferrite | |
| Magnet dimensions OD x ID x h | mm (in.) | 220 x 120 x 25 (8.66 x 4.72 x 0.98) |
| Coil material | Copper | |
| Former material | Glass Fiber | |
| Cone material | Water Resistant Treated Paper + Water Proof Both Sides Treatment | |
| Surround material | Polycotton | |
| Xmax (4) | mm (in.) | 9 (0.35) |
| Xmech (5) | mm (in.) | 16 (0.63) |
| Gap height | mm (in.) | 12 (0.47) |
| Voice coil winding height | mm (in.) | 24 (0.94) |
| Driver displacement volume | l (ft ³) | 3,2 (0.11) |
| Recommended enclosure | l (ft ³) | 59,4 (2.10) |
| Recommended tuning | Hz | 55 |

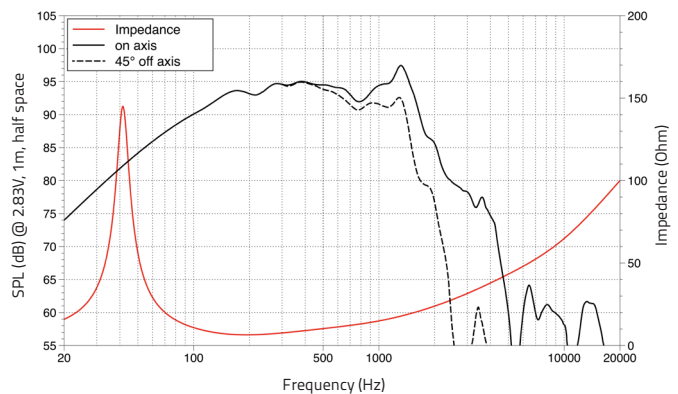
SMALL SIGNAL PARAMETERS

| | | | |
|------------------------------|-------|-------------------------------------|--------------|
| DC resistance | Re | Ohm | 5,1 |
| Resonance frequency | Fs | Hz | 42 |
| Moving mass | Mms | g (oz) | 107,5 (3.79) |
| Compliance | Cms | mm/N | 0,129 |
| Force factor | BxL | N/A | 25,62 |
| Mechanical Q-factor | Qms | | 5,72 |
| Electrical Q-factor | Qes | | 0,22 |
| Total Q-factor | Qts | | 0,22 |
| Equivalent air volume | Vas | l (ft ³) | 53,4 (1.88) |
| Voice coil Inductance | Le | mH | 1,58 |
| Diaphragm area | Sd | cm ² (in. ²) | 540 (83.7) |
| Reference efficiency | Eta 0 | % | 1,78 |
| Efficiency bandwidth product | EBP | Hz | 191 |

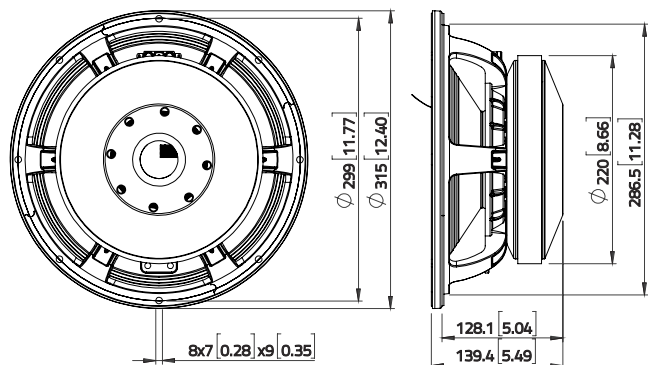
SHIPPING INFORMATION

| | | |
|--------------------|-------------|------------------------------------|
| Net weight | kg (lb.) | 12,1 (26.6) |
| Multipack size (1) | mm (in.) | 356 x 356 x 192 (14 x 14 x 7.6) |
| Multipack weight | kg (lb.) | 13,4 (29.5) |

FREQUENCY RESPONSE AND IMPEDANCE



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_E.a

