

WAF102.51

Lavoce

10" WOOFER

FERRITE MAGNET
ALUMINIUM BASKET DRIVER



- 2.5 INCH CCAW VOICE COIL
- 96 dB/SPL SENSITIVITY
- 700 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- OPTIMIZED COOLING SYSTEM
- ALUMINIUM DEMODULATING RING
- TRIPLE ROLL SURROUND
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN

GENERAL SPECIFICATIONS

| | | |
|----------------------------------|---------------------------|--------------------------------------|
| Nominal diameter | mm (in.) | 250 (10) |
| Nominal impedance | Ω | 8 |
| Minimum impedance | Ω | 6,8 |
| Program power (1) | W | 700 |
| AES Power rating (2) | W | 350 |
| Sensitivity (3) | dB | 96 |
| Frequency range | Hz | 60 ÷ 4000 |
| Voice coil diameter | mm (in.) | 65 (2.5) |
| Chassis material | Aluminium | |
| Magnet material | Ferrite | |
| Magnet dimensions OD x ID x h | mm (in.) | 155 x 75 x 20 (6.1 x 2.95 x 0.79) |
| Coil material | CCAW | |
| Former material | Glass Fiber | |
| Cone material | Water Proof Treated Paper | |
| Surround material | Polycotton | |
| Xmax (4) | mm (in.) | 6,1 (0.24) |
| Xmech (5) | mm (in.) | 11,6 (0.46) |
| Gap height | mm (in.) | 10 (0.39) |
| Voice coil winding height | mm (in.) | 17,2 (0.68) |
| Driver displacement volume | l (ft ³) | 1,6 (0.06) |

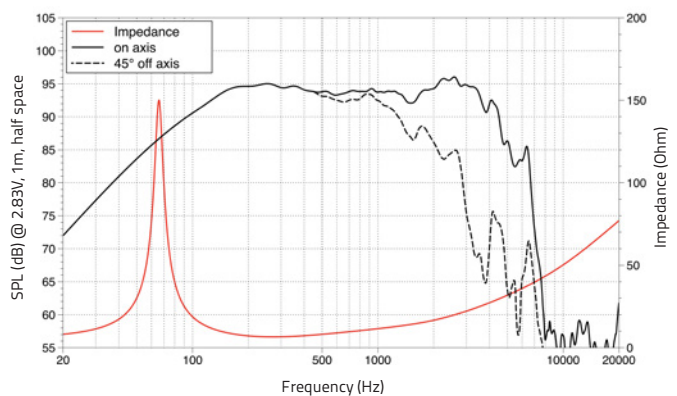
SMALL SIGNAL PARAMETERS

| | | | |
|-----------------------|-------|-------------------------------------|-------------|
| DC resistance | Re | Ohm | 5,7 |
| Resonance frequency | Fs | Hz | 66 |
| Moving mass | Mms | g (oz) | 37,6 (1.33) |
| Compliance | Cms | mm/N | 0,15 |
| Force factor | BxL | N/A | 15,7 |
| Mechanical Q-factor | Qms | | 9,0 |
| Electrical Q-factor | Qes | | 0,36 |
| Total Q-factor | Qts | | 0,34 |
| Equivalent air volume | Vas | l (ft ³) | 26 (0.92) |
| Voice coil Inductance | Le | mH | 0,98 |
| Diaphragm area | Sd | cm ² (in. ²) | 346 (53.63) |
| Reference efficiency | Eta 0 | % | 2 |

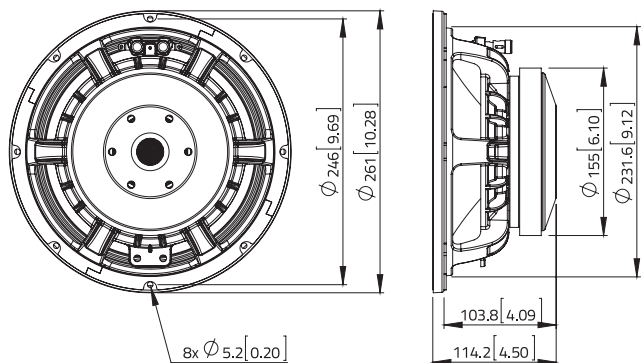
SHIPPING INFORMATION

| | | |
|--------------------|----------|--|
| Net weight | kg (lb.) | 4,8 (10.5) |
| Multipack size (1) | mm (in.) | 300 x 300 x 148 (11.8 x 11.8 x 5.8) |
| Multipack weight | kg (lb.) | 5,7 (12.5) |

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

