

WSF081.82

Lavoce

8" WOOFER

FERRITE MAGNET
STEEL BASKET DRIVER



- 1.8 INCH VOICECOIL
- 97 dB/SPL SENSITIVITY
- 250 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED FERRITE MOTOR AND SUSPENSION
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN
- SMOOTH FREQUENCY RESPONSE

GENERAL SPECIFICATIONS

| | | |
|----------------------------------|-------------|------------------------------------|
| Nominal diameter | mm (in.) | 200 (8) |
| Nominal impedance | Ω | 8 |
| Minimum impedance | Ω | 6,8 |
| Program power (1) | W | 250 |
| AES Power rating (2) | W | 125 |
| Sensitivity (3) | dB | 97 |
| Frequency range | Hz | 72 ÷ 5100 |
| Voice coil diameter | mm (in.) | 45 (1.8) |
| Chassis material | | Steel |
| Magnet material | | Ferrite |
| Magnet dimensions OD x ID x h | mm (in.) | 130 x 60 x 18 (5.1 x 2.4 x 0.7) |
| Coil material | | Copper |
| Former material | | Glass fiber |
| Cone material | | Water Proof Treated Paper |
| Surround material | | Polycotton |
| Xmax (4) | mm (in.) | 4,6 (0.18) |
| Xmech (5) | mm (in.) | 7,1 (0.28) |
| Gap height | mm (in.) | 6 (0.24) |
| Voice coil winding height | mm (in.) | 12,2 (0.48) |

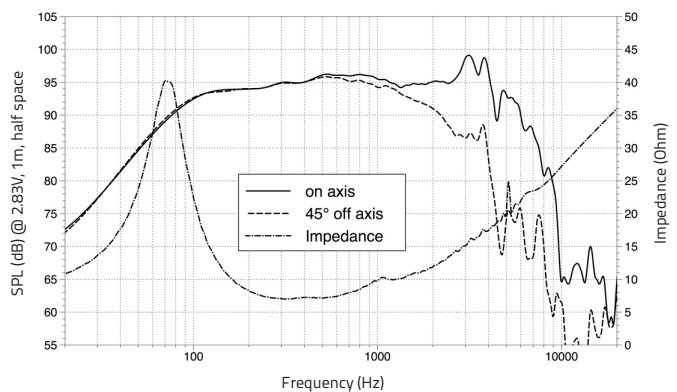
SMALL SIGNAL PARAMETERS

| | | | |
|-----------------------|-------|-------------------------------------|------------|
| DC resistance | Re | Ohm | 5,9 |
| Resonance frequency | Fs | Hz | 72 |
| Moving mass | Mms | g (oz) | 18 (0.63) |
| Compliance | Cms | mm/N | 0,27 |
| Force factor | BxL | N/A | 11,6 |
| Mechanical Q-factor | Qms | | 2,80 |
| Electrical Q-factor | Qes | | 0,36 |
| Total Q-factor | Qts | | 0,32 |
| Equivalent air volume | Vas | l (ft ³) | 21 (0.73) |
| Voice coil Inductance | Le | mH | 0,55 |
| Diaphragm area | Sd | cm ² (in. ²) | 235 (92.5) |
| Reference efficiency | Eta 0 | % | 2,12 |

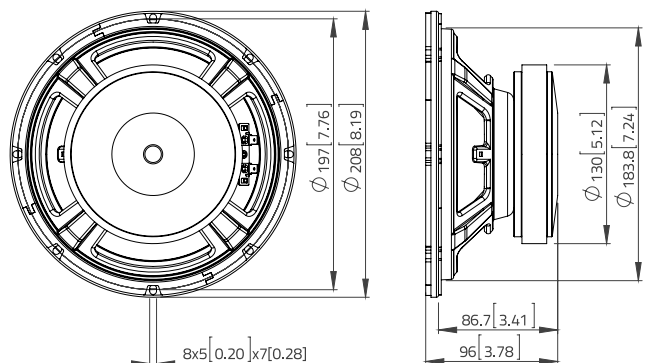
SHIPPING INFORMATION

| | | |
|---------------------------------|------------------------------------|--|
| Net weight | Kg (lb.) | 2,5 (5.5) |
| Multipack size (4) W x D x H | mm x mm x mm (in. x in. x in.) | 460 x 270 x 250 (18.1 x 10.6 x 9.8) |
| Multipack weight | Kg (lb.) | 11,5 (25.4) |

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.

