

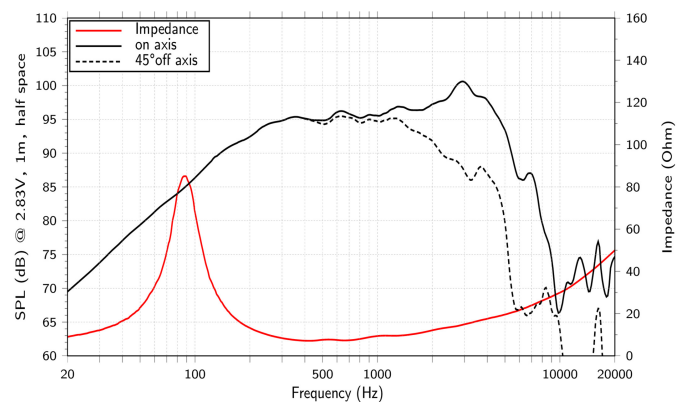
# MAF082.00

Lavoce

## 8" MIDRANGE

FERRITE MAGNET  
ALUMINIUM BASKET DRIVER

- 2 INCH COPPER VOICE COIL
- 98,5 dB/SPL SENSITIVITY
- 400 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- OPTIMIZED COOLING SYSTEM
- COPPER RING FOR EXTENDED FREQUENCY RESPONSE
- TRIPLE ROLL SURROUND



### GENERAL SPECIFICATIONS

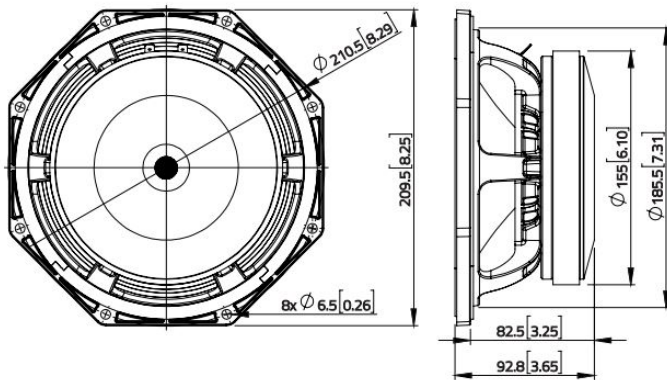
Nominal Diameter	<b>200 mm (8 in)</b>
Nominal Impedance	<b>8 ohm</b>
Minimum Impedance	<b>7.5 ohm</b>
Program Power	<b>400 W</b> Program power is defined as 3 dB greater than AES Power.
AES Power Rating	<b>200 W</b> Tested for two hours using a continuous, band-limited pink noise signal as per AES 2-1984 Rev. 2003. Loudspeaker tested in free air.
Sensitivity	<b>98.5 dB</b> From T/S parameters, measured with Klippel DA LPM module.
Frequency Range	<b>90 ÷ 5000 Hz</b>
Voice Coil Diameter	<b>51 mm (2 in)</b>
Chassis Material	<b>ALUMINIUM</b>
Magnet Material	<b>FERRITE</b>
Magnet Dimensions OD x ID x h	<b>155 x 60 x 17,5 mm (6.1 x 2.36 x 0.69 in)</b>
Coil Material	<b>COPPER</b>
Former Material	<b>POLYIMIDE</b>
Cone Material	<b>WATER RESISTANT TREATED PAPER</b>
Surround Material	<b>POLYCOTTON</b>
Xmax	<b>2.6 mm (0.1 in)</b> The Xmax is calculated as: $(Hvc - Hg)/2 + Hg/4$ . Hvc is the voice coil height and Hg the gap height.
Xmech	<b>6.6 mm (0.26 in)</b> The Xmech is calculated as: $(Hvc - Hg)/2 + (Hg-2)$ . Hvc is the voice coil height and Hg the gap height.
Gap Height	<b>8 mm (0.31 in)</b>
Voice Coil Winding Height	<b>9.2 mm (0.36 in)</b>
Driver Displacement Volume	<b>0.99 l (0.035 ft³)</b>
Recommended Enclosure	<b>14.7 l (0.519 ft³)</b>
Recommended Tuning	<b>100 Hz</b>

### SMALL SIGNAL PARAMETERS

Thiele-Small parameters are measured after preconditioning: a) at 20°C- 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

DC Resistance (Re)	5.7 ohm
Diaphragm Area (Sd)	220 cm <sup>2</sup> (34.1 in <sup>2</sup> )
Resonance Frequency (Fs)	85 Hz
Moving Mass (Mms)	21.2 g (0.748 oz)
Compliance (Cms)	0.165 mm/N
Force Factor (BxL)	17.2 N/A
Mechanical Q-Factor (Qms)	3.11
Electrical Q-Factor (Qes)	0.22
Total Q-Factor (Qts)	0.2
Equivalent Air Volume (Vas)	11.3 l (0.399 ft <sup>3</sup> )
Voice Coil Inductance (Le)	0.46 mH
Reference Efficiency (Eta 0)	2.95 %
Efficiency Bandwidth Product (EBP)	386 Hz

## DIMENSIONS



## SHIPPING INFORMATION

Net Weight	4.1 kg (9.039 lb)
Multipack Quantity	1
Multipack size W x D x H	270 mm x 270 mm x 140 mm (10.6 in x 10.6 in x 5.5 in)
Multipack Weight	4.7 kg (10.36 lb)

## REPAIR KITS

LF Repair Kit	VRK10087
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