

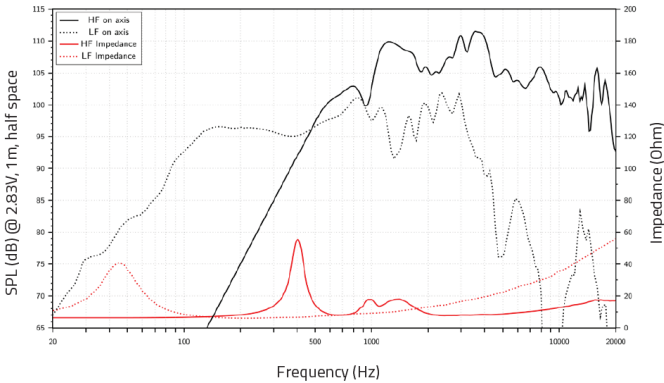
CAN143.00TH

Lavoce

13.5" COAXIAL

NEODYMIUM COMMON HF/LF MAGNET
ALUMINIUM BASKET DRIVER

- 3 INCH LF COPPER VOICE COIL
- 3 INCH HF EDGEWOUND CCA VOICE COIL
- 99 dB/SPL SENSITIVITY
- 800 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED COMMON MOTOR, PATENTED IIS PHASEPLUG AND DIAPHRAGM
- 45 - 18000 Hz FREQUENCY RANGE
- 60°x40° NOMINAL COVERAGE
- COMPOSITE TITANIUM/POLYIMIDE HF DIAPHRAGM
- DOUBLE ALUMINIUM DEMODULATING RING
- COMPACT AND LIGHTWEIGHT DESIGN



GENERAL SPECIFICATIONS LF

Nominal Diameter	340 mm (13.5 in)
Nominal Impedance	8 ohm
Minimum Impedance	6.2 ohm
Program Power	800 W Program power is defined as 3 dB greater than AES Power.
AES Power Rating	400 W Tested in free air for two hours using a continuous: LF:band-limited pink noise signal as per AES 2-1984 Rev. 2003. HF:band-limited (1000-20000 Hz, 12dB/oct.) pink noise signal as per AES 2-1984 Rev. 2003.
Sensitivity	99 dB LF: From T/S parameters, measured with Klippel DA LPM module. HF: Measured on axis at 2.83V, 1m, SPL averaged in the frequency range 600 ÷ 18000 Hz.
Frequency Range	45 ÷ 4500 Hz
Voice Coil Diameter	75 mm (3 in)
Chassis Material	ALUMINIUM
Magnet Material	NEODYMIUM
Magnet Dimensions OD X ID X H	135 x 85 x 10 mm (5.31 x 3.35 x 0.39 in)
Coil Material	COPPER
Former Material	GLASS FIBER
Cone Material	WATER RESISTANT TREATED PAPER + WATER PROOF FRONT SIDE TREATMENT
Surround Material	POLYCOTTON
Flux Density	1.2 T
Xmax	6 mm (0.24 in) The Xmax is calculated as: (Hvc - Hg)/2+ Hg/4. Hvc is the voice coil height and Hg the gap height.
Xmech	10 mm (0.39 in) The Xmech is calculated as: (Hvc - Hg)/2 +(Hg-2). Hvc is the voice coil height and Hg the gap height.
Gap Height	8 mm (0.31 in)
Voice Coil Winding Height	16 mm (0.63 in)
Driver Displacement Volume	3.5 l (0.12 ft³)
Recommended Enclosure	67.5 l (2.38 ft³)
Recommended Tuning	60 Hz

All the specifications subject to change without notice.

Recommended Crossover	- High pass filter with slope 12dB/oct. or higher.
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GENERAL SPECIFICATIONS HF

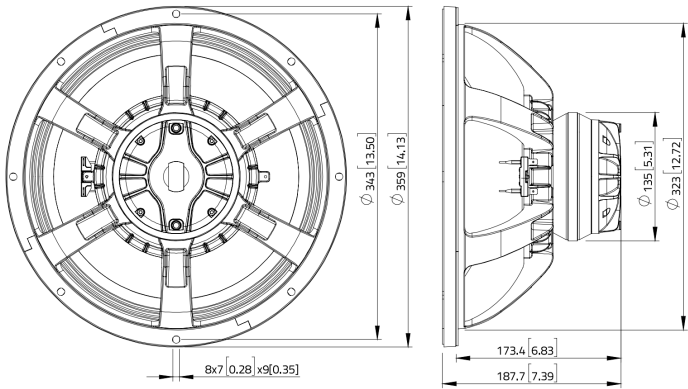
HF Exit	36 mm (1.42 in)
Nominal Impedance	8 ohm
Minimum Impedance	8 ohm
Program Power	160 W Program power is defined as 3 dB greater than AES Power.
AES Power Rating	80 W Tested in free air for two hours using a continuous: LF:band-limited pink noise signal as per AES 2-1984 Rev. 2003. HF:band-limited (1000-20000 Hz, 12dB/oct.) pink noise signal as per AES 2-1984 Rev. 2003.
Sensitivity	106 dB LF: From T/S parameters, measured with Klippel DA LPM module. HF: Measured on axis at 2.83V, 1m, SPL averaged in the frequency range 600 ÷ 18000 Hz.
Frequency Range	600 ÷ 18000 Hz
Voice Coil Diameter	75 mm (3 in)
Coil Material	EDGEWOUND CCA
Former Material	KAPTON
HF Dome Material	TITANIUM
Surround Material	POLYIMIDE
Flux Density	1.9 T
Recommended Crossover	1200 Hz High pass filter with slope 12dB/oct. or higher.

SMALL SIGNAL PARAMETERS LF

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)	5.2 ohm
Diaphragm Area (Sd)	713 cm² (110.52 in²)
Resonance Frequency (Fs)	44 Hz
Moving Mass (Mms)	77 g (2.72 oz)
Compliance (Cms)	0.17 mm/N
Force Factor (BxL)	18.8 N/A
Mechanical Q-Factor (Qms)	6.34
Electrical Q Factor (Qes)	0.31
Total Q-Factor (Qts)	0.3
Equivalent Air Volume (Vas)	122.31 l (4.32 ft³)
Voice Coil Inductance (Le)	0.55 mH
Reference Efficiency (Eta 0)	3.2 %
Efficiency Bandwidth Product (EBP)	142 Hz

DIMENSIONS



SHIPPING INFORMATION

Net Weight	5.2 kg (11.5 lb)
Multipack Quantity	1
Multipack size W x D x H	388 mm x 388 mm x 235 mm (15.3 in x 15.3 in x 9.3 in)
Multipack Weight	6.5 kg (14.33 lb)

REPAIR KITS

LF Repair Kit	VRK07141
HF Repair Kit	VRK83141

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