

CAF153.00T

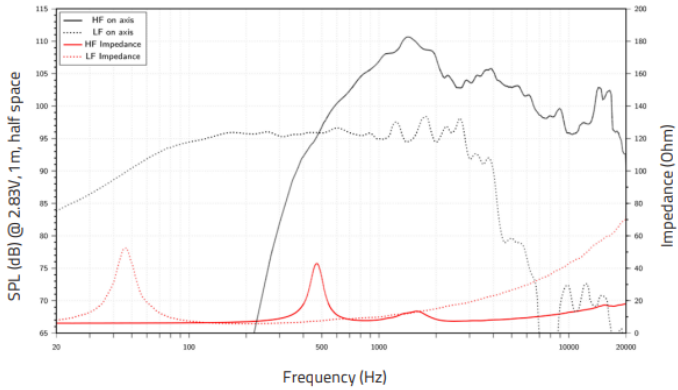
Lavoce

15" COAXIAL

FERRITE COMMON HF/LF MAGNET

ALUMINIUM BASKET DRIVER

- 3 INCH LF COPPER VOICE COIL
 - 3 INCH HF EDGEWOUND CCA VOICE COIL
 - 97,5 dB/SPL SENSITIVITY
 - 800 WATT PROGRAM POWER HANDLING
 - FEM OPTIMIZED COMMON MOTOR, PATENTED IIS PHASEPLUG AND DIAPHRAGM
 - 45 - 18000 Hz FREQUENCY RANGE
 - 80° NOMINAL COVERAGE
 - COMPOSITE TITANIUM/POLYIMIDE HF DIAPHRAGM
 - ALUMINIUM DEMODULATING RING
 - COMPACT DESIGN



GENERAL SPECIFICATIONS LF

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 ohm
Minimum Impedance	5.8 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	97.5 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 ÷ 4000 Hz
Voice Coil Diameter	75 mm (3 in)
Chassis Material	ALUMINIUM
Magnet Material	FERRITE
Magnet Dimensions OD X ID X H	190 x 85 x 22 mm (7.48 x 3.35 x 0.87 in)
Coil Material	COPPER
Former Material	GLASS FIBER
Cone Material	WATER RESISTANT TREATED PAPER + WATER PROOF FRONT SIDE TREATMENT
Surround Material	POLYCOTTON
Flux Density	0.96 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	4.8 l (0.17 ft³)
Recommended Enclosure	120 l (4.24 ft³)
Recommended Tuning	42 Hz

All the specifications subject to change without notice.

GENERAL SPECIFICATIONS HF

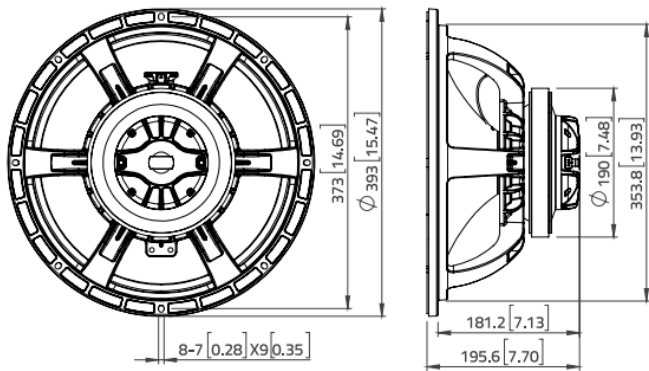
HF Exit	36 mm (1.4 in)
Nominal Impedance	8 ohm
Minimum Impedance	7.3 ohm
Program Power	160 W Program power is defined as 3 dB greater than AES Power.
AES Power Rating	80 W Tested in free air for two hours using a continuous: LF:band-limited pink noise signal as per AES 2-1984 Rev. 2003. HF:band-limited (1000-20000 Hz, 12dB/oct.) pink noise signal as per AES 2-1984 Rev. 2003.
Sensitivity	105 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	1.52 T
Recommended Crossover	1200 Hz

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)	5.3 ohm
Diaphragm Area (Sd)	855 cm² (132.53 in²)
Resonance Frequency (Fs)	46 Hz
Moving Mass (Mms)	90.6 g (3.2 oz)
Compliance (Cms)	0.13 mm/N
Force Factor (BxL)	15.3 N/A
Mechanical Q-Factor (Qms)	6.1
Electrical Q Factor (Qes)	0.59
Total Q-Factor (Qts)	0.54
Equivalent Air Volume (Vas)	134.48 l (4.75 ft³)
Voice Coil Inductance (Le)	0.84 mH
Reference Efficiency (Eta 0)	2.2 %
Efficiency Bandwidth Product (EBP)	78 Hz

DIMENSIONS



SHIPPING INFORMATION

Net Weight	7.55 kg (16.6 lb)
Multipack Quantity	1
Multipack size W x D x H	422 mm x 422 mm x 244 mm (16.6 in x 16.6 in x 9.6 in)
Multipack Weight	9.1 kg (20.06 lb)

REPAIR KITS

