

12" WOOFER

NEODYMIUM MAGNET

ALUMINIUM BASKET DRIVER

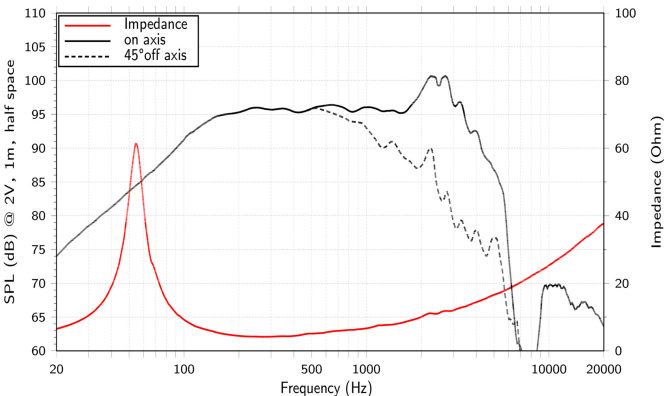
- 3 INCH CCAW VOICE COIL

- 98 dB/SPL SENSITIVITY

- 1000 WATT PROGRAM POWER HANDLING

- FEM OPTIMIZED MOTOR AND SUSPENSION

- OPTIMIZED COOLING SYSTEM



GENERAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Nominal Impedance	4 ohm
Minimum Impedance	4 ohm
Program Power	1000 W Program power is defined as 3 dB greater than AES Power.
AES Power Rating	500 W 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	98 dB From T/S parameters, measured with Klippel DA LPM module.
Frequency Range	50 ÷ 3000 Hz
Voice Coil Diameter	75 mm (3 in)
Chassis Material	ALUMINIUM
Magnet Material	NEODYMIUM
Magnet Dimensions OD x ID x h	75.4 x 10 mm (2.97 x 0.39 in)
Coil Material	CCA W
Former Material	GLASS FIBER
Cone Material	WATER RESISTANT TREATED PAPER + WATER PROOF FRONT SIDES TREATMENT
Surround Material	POLYCOTTON
Xmax	6.9 mm (0.27 in) The Xmax is calculated as: (Hvc - Hg)/2+ Hg/4. Hvc is the voice coil height and Hg the gap height.
Xmech	12.8 mm (0.5 in) The Xmech is calculated as: (Hvc - Hg)/2 +(Hg-2). Hvc is the voice coil height and Hg the gap height.
Gap Height	10.5 mm (0.41 in)
Voice Coil Winding Height	19 mm (0.75 in)
Driver Displacement Volume	2.4 l (0.085 ft³)
Recommended Enclosure	62.3 l (2.2 ft³)
Recommended Tuning	55 Hz

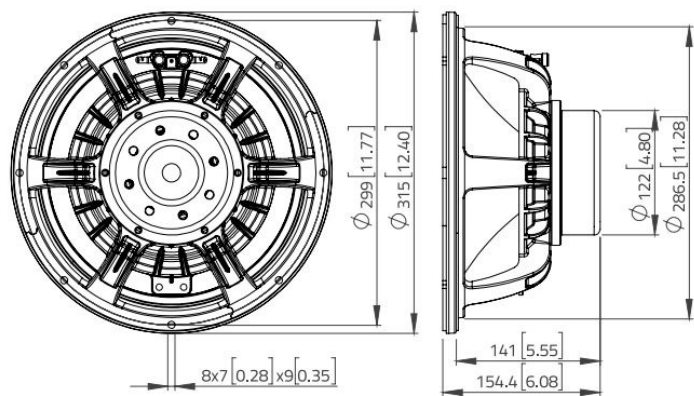
SMALL SIGNAL PARAMETERS

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)	3.3 ohm
Diaphragm Area (Sd)	531 cm² (82.305 in²)

Resonance Frequency (Fs)	54 Hz
Moving Mass (Mms)	60.4 g (2.131 oz)
Compliance (Cms)	0.144 mm/N
Force Factor (BxL)	15.29 N/A
Mechanical Q-Factor (Qms)	5.11
Electrical Q-Factor (Qes)	0.29
Total Q-Factor (Qts)	0.27
Equivalent Air Volume (Vas)	57.46 l (2.029 ft³)
Voice Coil Inductance (Le)	0.56 mH
Reference Efficiency (Eta 0)	3.01 %
Efficiency Bandwidth Product (EBP)	186 Hz

DIMENSIONS



SHIPPING INFORMATION

Net Weight	5.2 kg (11.464 lb)
Multipack Quantity	1
Multipack size W x D x H	360 mm x 360 mm x 195 mm (14.2 in x 14.2 in x 7.7 in)
Multipack Weight	6.5 kg (14.33 lb)

