This 5.25 inch 8 ohm driver is a member of the high performance HDA (High Definition Audio) series.

- Powerful high grade Ferrite magnet system.
- FEA designed suspension system.
- Optimized motor structure and voice coil design for stability and extended frequency response with low distortion.
- Engineered fiber glass composite diaphragm, offering unique visual and acoustic experience.
- Half roll rubber surround for longevity and consistency across seasons and years.
- Beautifully designed polycarbonate chassis that adds curvy profile and creates better dispersion and soundstage

HDA series offers high quality drivers for multi-way speaker system and best suited for bass-reflex designs.

GENERAL SPECIFICATIONS:

Nominal diameter, D	in.	5.25
Nominal impedance, Z	Ω	8
Minimum impedance, Zmin	Ω	5.39
RMS Power rating	watt	40
Sensitivity (Lp)	(1W/1m)@1V	86.00 dB
Frequency range	Hz	50-5000
Voice coil diameter	mm	26
Chassis material	Polycarbonate	
Magnet material	Ferrite Y35	
Magnet dimensions OD x ID x h	mm	86x32x15
Coil material	Copper	
Former material	Kapton	
Cone material	Composite Glass Fiber	
Surround material	Nitrile Rubber	
Xmax (4)	mm	4.5
Xmech (5)	mm	14
Gap height	mm	5
Voice coil winding height	mm	9.5

SMALL SIGNAL PARAMETERS:

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DC resistance, Rdc	Ω	5.00
Resonance frequency, Fs	Hz	56.8
Moving mass, Mms	g	10.00
Compliance, Cms	mm/N	0.786
Force factor, Bl	Tm	4.948
Mechanical Q-factor, Qms		4.161
Electrical Q-factor, Qes		0.744
Total Q-factor, Qts		0.631
Equivalent air volume, Vas	litres	10.07
Voice coil Inductance, Le	mH	0.806
Diaphragm area, Sd	cm^2	95.0
Mechanical resistance,Rms	kg/s	0.857

FREQUENCY RESPONSE:

IMPEDANCE:
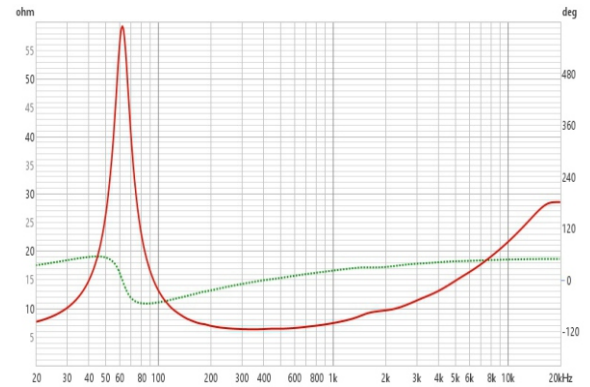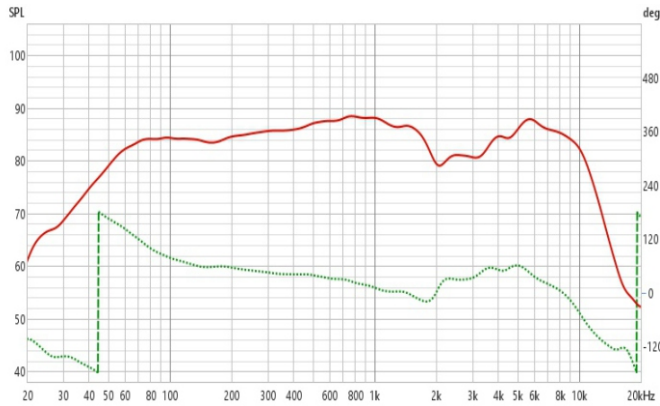
DRAWING DIMENSIONS (mm)
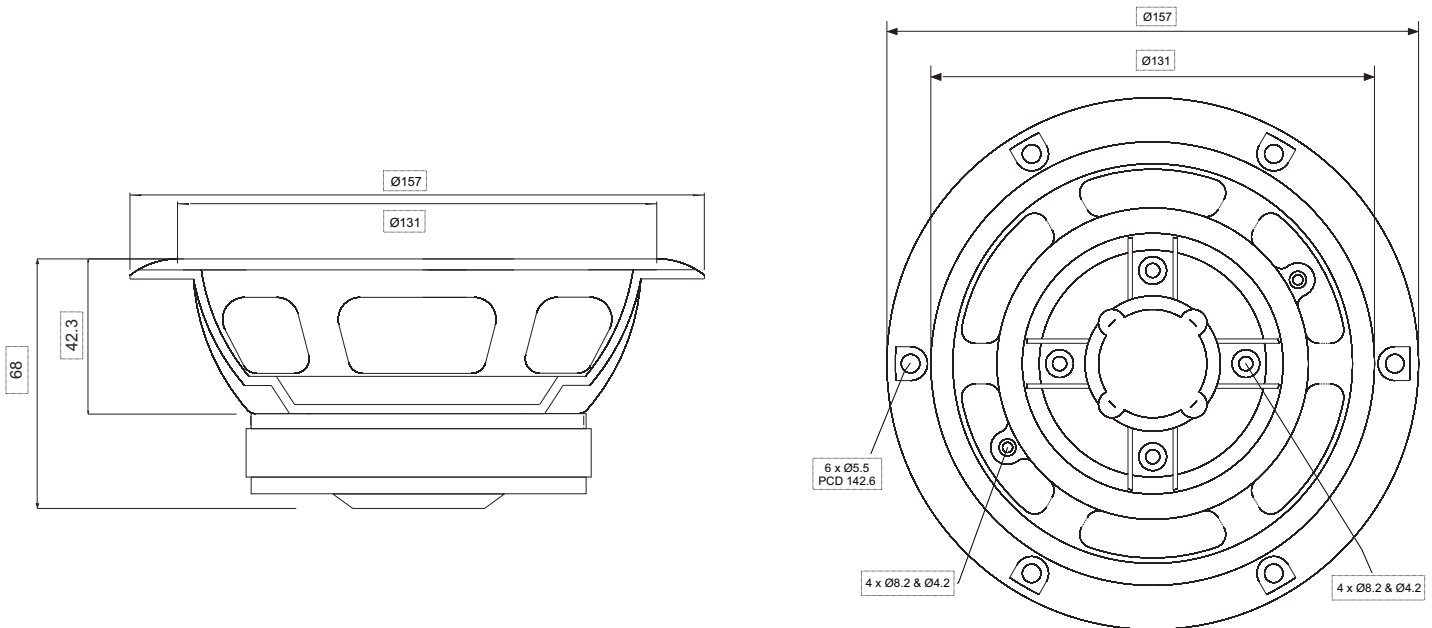
NOTE:

(1). Tested for two hours using a continuous band-limited pink noise signal as per AES 2-1984 Rev. 2003.

(2). Loudspeaker tested in free air.

(3). T/S Parameters, measured and cross validated with two different modules.

(4). Its measured after pre-conditioning at 25°C- 30°C, 50% humidity for 2 hours.

(5). Xmax is calculated as:

(Hvc – Hg) / 2 + Hg/4. Hvc is the voice coil height and Hg is the height of gap.