

950Nd

Nominal Diameter 5 " / 13 cm Rated Impedance 8 94 dB SPL Sensitivity **Power Handling Capacity 80 W AES** SPL max (continuous) 110 dB SPL 300 - 4000 Hz Usable frequency range Speaker net mass 0.98 kg

Architecture highlights:

- Noiseless natural convection Intercooling System
- Neodymium magnet system with symmetric BL(x) and Le(x)
- High definition CCAR vented voice coil
- Critical damping flat foam surround
- Lightweight basket

Motor architecture Magnet material Nd Voice coil diameter 38 mm Voice coil length mm 7.5 Air gap height 6 mm

Typical characteristics

Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	94.0
Usable freq. range	-	Hz	300 - 4000
Power handling capacity (AES)	-	W	80
Max Sound Pressure Level	SPL _{max}	dB SPL	110
Min. impedance modulus	Z_{min}	Ω@Hz	6.1@800
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.641
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.236
BL product	BL	N/A	8.9
Moving mass	Mms	kg	0.0081

Thiele-Small parameters

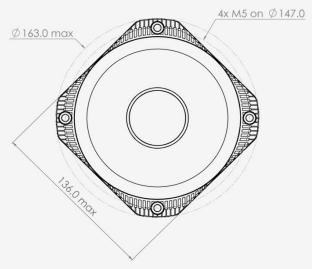
Resonance frequency	Fs	Hz	200 (±40)
DC Resistance	Re	Ω	5.1 (±0.5)
Mechanical quality factor	Qms	1	5.99
Electrical quality factor	Qes	1	0.66
Total quality factor	Qts	1	0.59
Suspension compliance	Cms	10 ⁻⁶ .m/N	80
Effective piston area	Sd	m^2	0.0109
Equivalent Cas air load	Vas	m^3	0.0013
Max linear excursion	Xmax	mm	± 2.0
Linear displacement volume	Vd	10 ⁻³ .m ³	0.0219
Reference efficiency	η_0	%	1.6
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	0.5

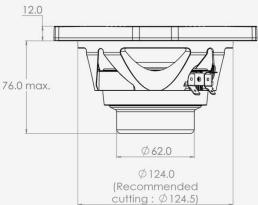
Absolute maximum ratings

Short term max. input voltage	Vmax	V	50
Max.excursion before damage	Xdam	mm	± 3.0
Ambient operating temperature	Та	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Humidity proof

5 inches midrange driver







Mounting Information		
Air volume occupied by the driver	10 ⁻³ .m ³	0.18
Speaker net mass	kg	0.98
Baffle cut-out diameter (front mounting)	mm	124.5
Bolt number & Metric diameter	-	4x M5
Bolt circle diameter	mm	147.0
Max overall dimension (on ears)	mm	163.0
Max overall dimension (out of ears)	mm	136.0
Flange height	mm	12.0
Max magnet diameter	mm	-
Max depth (front mounting)	mm	76.0
Recommended reflex box	Lts / Hz	-
Electrical connection	6.35x0.8 + 4.8x0	0.5 FASTON



5 inches midrange driver

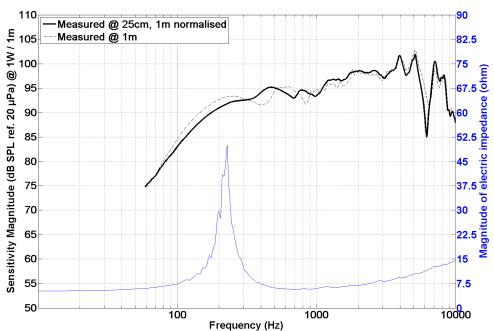


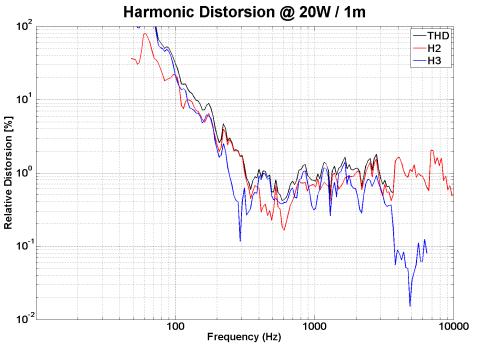
SPL curves measured on CEI standard baffle :

- . at 25 cm, normalised 1 m
- . at 1 m for reference
- . Graph amplitude = 60 dB (PHL Audio standard)

HD curve measured on CEI standard baffle :

- . at 1 meter
- . at power = $P_AES/4$
- . Graph amplitude 0.01 % to 100 % (PHL Audio standard for P_AES/4)





Non linear curves measured thanks to Klippel software and hardware, in free air

