



3430

Nominal Diameter	10 " / 25 cm
Rated Impedance	8
Sensitivity	95 dB SPL
Power Handling Capacity	400 W AES
SPL max (continuous)	117 dB SPL
Usable frequency range	60 - 3000 Hz
Speaker net mass	5.8 kg

10 inches low-mid driver



Architecture highlights :

- Noiseless natural convection Intercooling System
- High compliance double half-roll Fabric Surround for low Fs
- Front side coated diaphragm
- High definition CCAR voice-coil

Motor architecture

Magnet material	-	Fe
Voice coil diameter	mm	64
Voice coil length	mm	15
Air gap height	mm	8

Typical characteristics

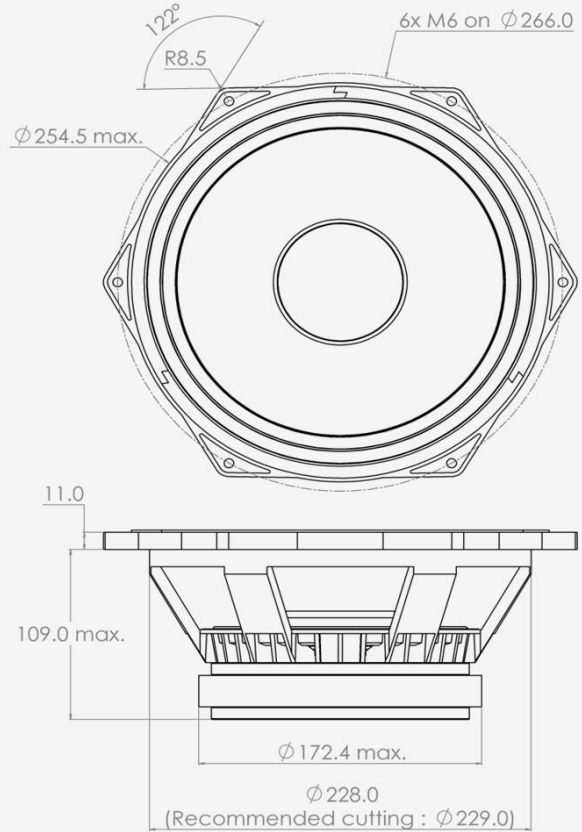
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	95.0
Usable freq. range	-	Hz	60 - 3000
Power handling capacity (AES)	-	W	400
Max Sound Pressure Level	SPL _{max}	dB SPL	117
Min. impedance modulus	Z _{min}	Ω@Hz	7.0@400
Voice-coil inductance @ 1kHz	Le _{1k}	mH	1.039
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.403
BL product	BL	N/A	16.0
Moving mass	M _{ms}	kg	0.0400

Thiele-Small parameters

Resonance frequency	Fs	Hz	56 (±)
DC Resistance	Re	Ω	5.9 (±0.6)
Mechanical quality factor	Q _{ms}	1	4.71
Electrical quality factor	Q _{es}	1	0.33
Total quality factor	Q _{ts}	1	0.30
Suspension compliance	C _{ms}	10 ⁻⁶ .m/N	200
Effective piston area	S _d	m ²	0.0356
Equivalent Cas air load	V _{as}	m ³	0.0360
Max linear excursion	X _{max}	mm	± 4.5
Linear displacement volume	V _d	10 ⁻³ .m ³	0.1603
Reference efficiency	η ₀	%	1.9
Unity load volume	V _{as} .Q _{ts} ²	10 ⁻³ .m ³	3.3

Absolute maximum ratings

Short term max. input voltage	V _{max}	V	90
Max.excursion before damage	X _{dam}	mm	± 12.0
Ambient operating temperature	T _a	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Humidity proof



Mounting information

Air volume occupied by the driver	10 ⁻³ .m ³	1.50
Speaker net mass	kg	5.80
Baffle cut-out diameter (front mounting)	mm	229.0
Bolt number & Metric diameter	-	6x M5
Bolt circle diameter	mm	266.0
Max overall dimension (on ears)	mm	283.5
Max overall dimension (out of ears)	mm	254.5
Flange height	mm	11.0
Max magnet diameter	mm	172.4
Max depth (front mounting)	mm	109.0
Recommended reflex box	Lts / Hz	-
Electrical connection		Ø4 mm Push buttons

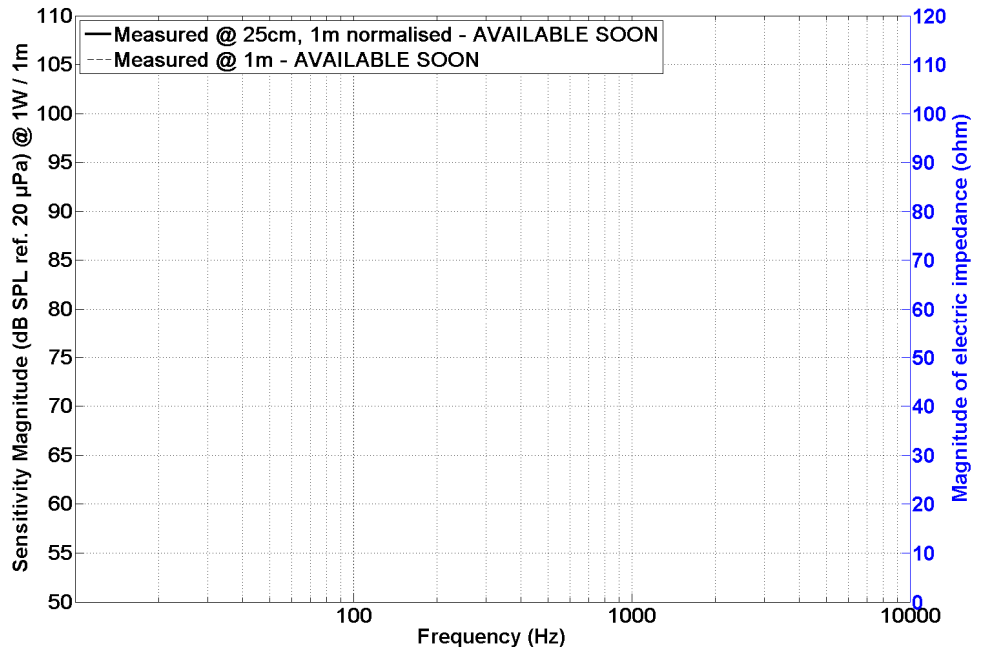


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10 inches low-mid driver

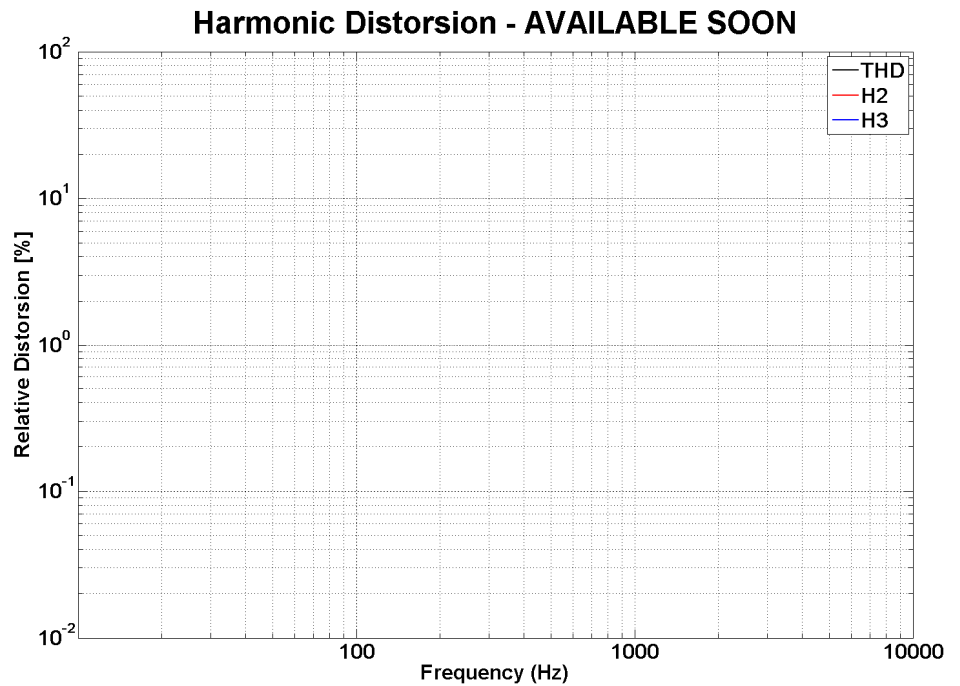
SPL curves measured on CEI standard baffle :

- . 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

