



2560-3

Nominal Diameter	8 " / 20 cm
Rated Impedance	8
Sensitivity	92 dB SPL
Power Handling Capacity	160 W AES
SPL max (continuous)	110 dB SPL
Usable frequency range	80 - 4000 Hz
Speaker net mass	3.02 kg

8 inches low-mid driver / 1" coaxial



Architecture highlights :

- Natural convection Intercooler System
- High compliance double half-roll Fabric Surround
- Coaxial apparatus with 2x M6 on \varnothing 76.2 mm
(Max diameter for HF driver = 137.0 mm)

Motor architecture

Magnet material	-	Fe
Voice coil diameter	mm	51
Voice coil length	mm	14
Air gap height	mm	6

Typical characteristics

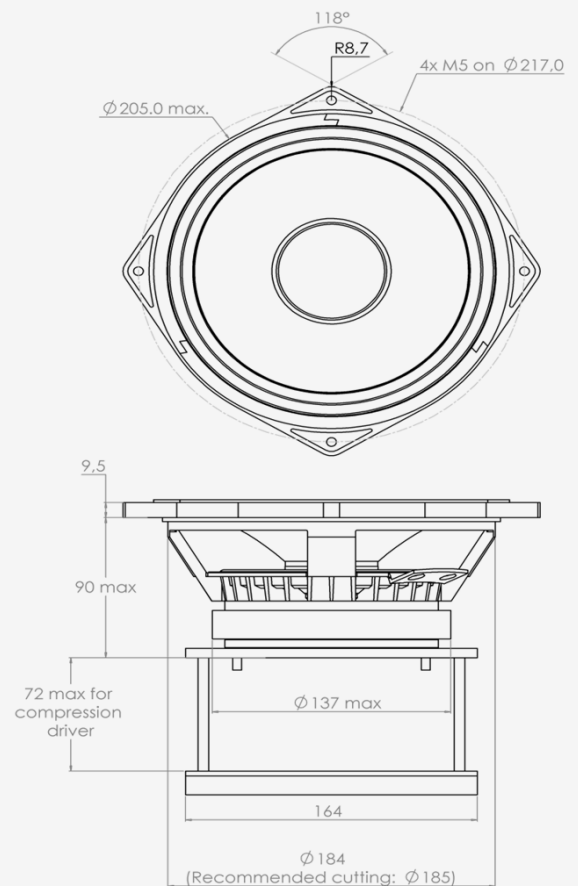
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	92.0
Usable freq. range	-	Hz	80 - 4000
Power handling capacity (AES)	-	W	160
Max Sound Pressure Level	SPL _{max}	dB SPL	110
Min. impedance modulus	Z _{min}	Ω @Hz	5.4@410
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.697
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.274
BL product	BL	N/A	10.4
Moving mass	Mms	kg	0.0210

Thiele-Small parameters

Resonance frequency	Fs	Hz	79 (\pm 12)
DC Resistance	Re	Ω	5.2 (\pm 0.5)
Mechanical quality factor	Qms	1	4.17
Electrical quality factor	Qes	1	0.50
Total quality factor	Qts	1	0.45
Suspension compliance	Cms	10 ⁻⁶ .m/N	190
Effective piston area	Sd	m ²	0.0198
Equivalent Cas air load	Vas	m ³	0.0107
Max linear excursion	Xmax	mm	\pm 5.5
Linear displacement volume	Vd	10 ⁻³ .m ³	0.1089
Reference efficiency	η_0	%	1.0
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	2.1

Absolute maximum ratings

Short term max. input voltage	Vmax	V	70
Max.excursion before damage	Xdam	mm	\pm 13.0
Ambient operating temperature	Ta	$^{\circ}$ C	-10 to +50
Storage temperature		$^{\circ}$ C	-20 to +70
Environmental withstanding			Humidity proof



Mounting information

Air volume occupied by the driver	10 ⁻³ .m ³	0.72
Speaker net mass	kg	3.02
Baffle cut-out diameter (front mounting)	mm	185.0
Bolt number & Metric diameter	-	4x M5
Bolt circle diameter	mm	217.0
Max overall dimension (on ears)	mm	234.0
Max overall dimension (out of ears)	mm	205.0
Flange height	mm	9.5
Max magnet diameter	mm	137.0
Max depth (front mounting)	mm	90.0
Recommended reflex box	Lts / Hz	-
Electrical connection		6.35x0.8 FASTON

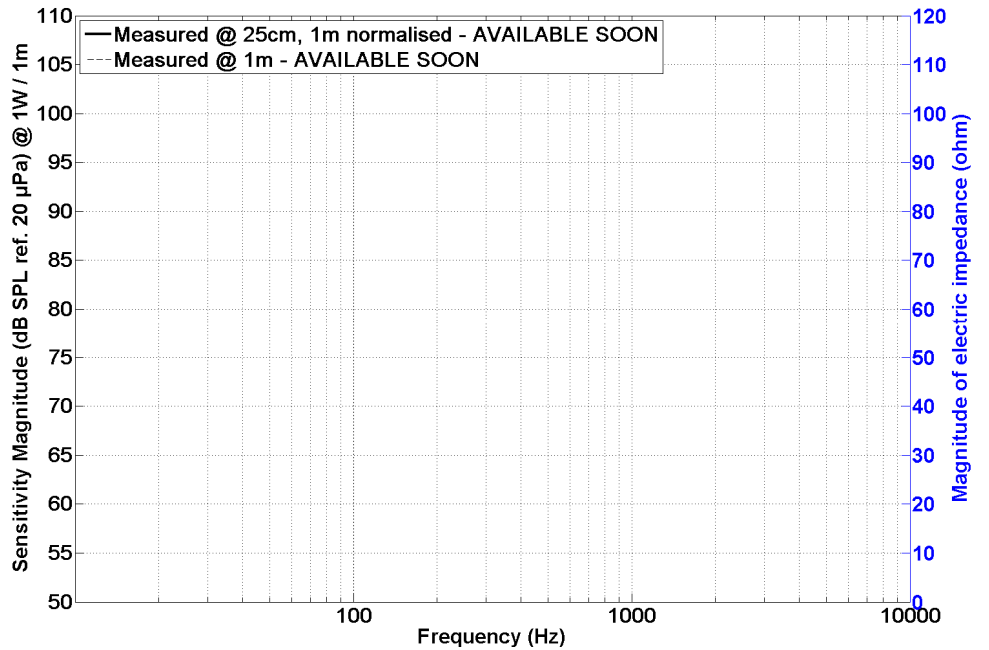


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inches low-mid driver / 1" coaxial

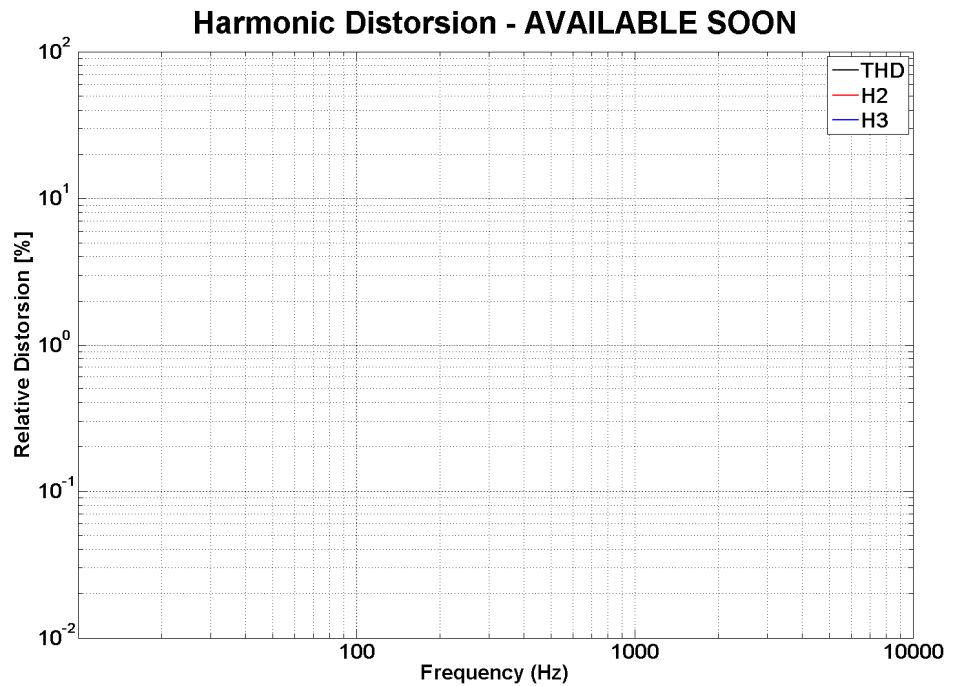
SPL curves measured on CEI standard baffle :

- . 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

