1330

6.5 inches bass driver

Nominal Diameter	**6.5 " / 17 cm**
Rated Impedance	**8 q**
Sensitivity	**93.5 dB SPL**
Power Handling Capacity	**100 W AES**
SPL max (continuous)	**110 dB SPL**
Usable frequency range	**50 - 4000 Hz**
Speaker net mass	**2.15 kg**

Architecture highlights :

- High excursion S roll rubber surround
- Natural convection Intercooler System
- Single side Coated diaphragm (Humidity proof)

Motor architecture

Magnet material	-	Fe
Voice coil diameter	mm	38
Voice coil length	mm	10.3
Air gap height	mm	6

Typical characteristics

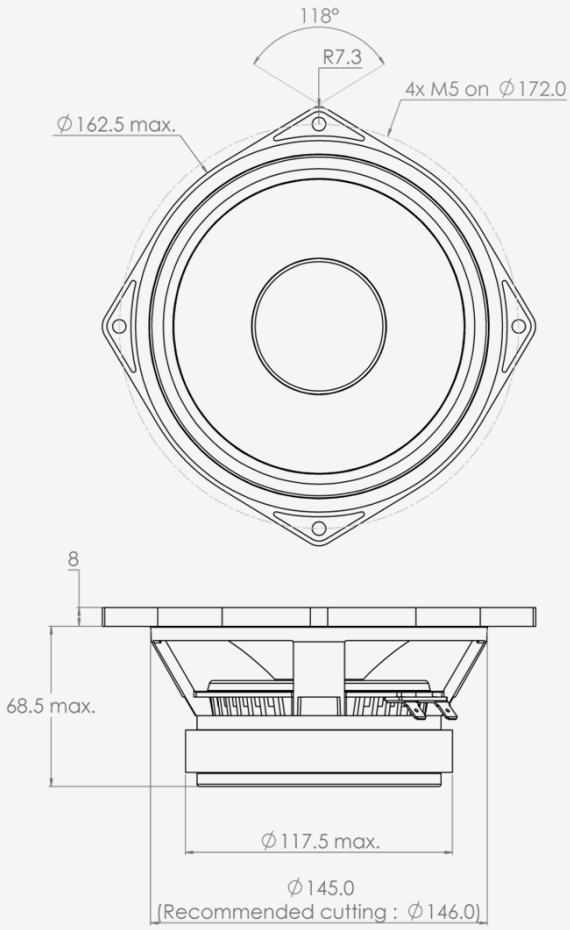
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	93.5
Usable freq. range	-	Hz	50 - 4000
Power handling capacity (AES)	-	W	100
Max Sound Pressure Level	SPL_{max}	dB SPL	110
Min. impedance modulus	Z_{min}	Ω@Hz	6.6@370
Voice-coil inductance @ 1kHz	Le_{1k}	mH	0.721
Voice-coil inductance @ 10kHz	Le_{10k}	mH	0.313
BL product	BL	N/A	10.5
Moving mass	Mms	kg	0.0120

Thiele-Small parameters

Resonance frequency	Fs	Hz	53 (±8)
DC Resistance	Re	Ω	6.1 (±0.6)
Mechanical quality factor	Qms	1	3.63
Electrical quality factor	Qes	1	0.22
Total quality factor	Qts	1	0.21
Suspension compliance	Cms	10^{-6}.m/N	750
Effective piston area	Sd	m^2	0.0143
Equivalent Cas air load	Vas	m^3	0.0218
Max linear excursion	Xmax	mm	± 4.0
Linear displacement volume	Vd	$10^{-3}.m^3$	0.0573
Reference efficiency	η_0	%	1.4
Unity load volume	$Vas.Qts^2$	$10^{-3}.m^3$	0.9

Absolute maximum ratings

Short term max. input voltage	Vmax	V	55
Max.excursion before damage	Xdam	mm	± 4.0
Ambient operating temperature	Ta	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Humidity proof



Mounting information

Air volume occupied by the driver	$10^{-3}.m^3$	0.50
Speaker net mass	kg	2.15
Baffle cut-out diameter (front mounting)	mm	146.0
Bolt number & Metric diameter	-	4x M5
Bolt circle diameter	mm	172.0
Max overall dimension (on ears)	mm	187.5
Max overall dimension (out of ears)	mm	162.5
Flange height	mm	8.0
Max magnet diameter	mm	117.5
Max depth (front mounting)	mm	68.5
Recommended reflex box	Lts / Hz	-
Electrical connection		6.35x0.8 FAST

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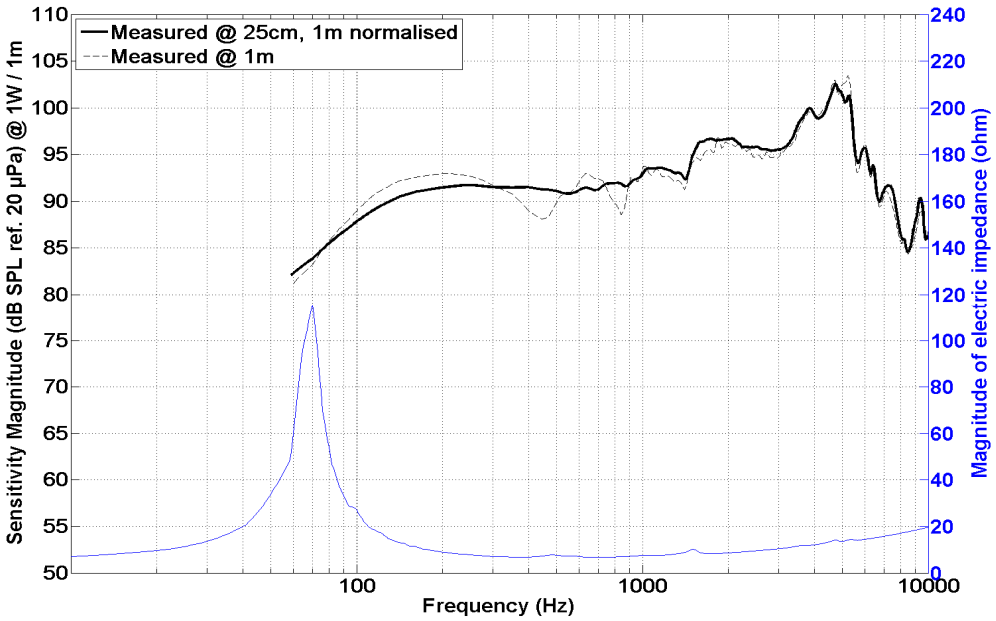
SPL curves measured on CEI standard baffle :

. at 25 cm, normalised 1 m

. at 1 m for reference

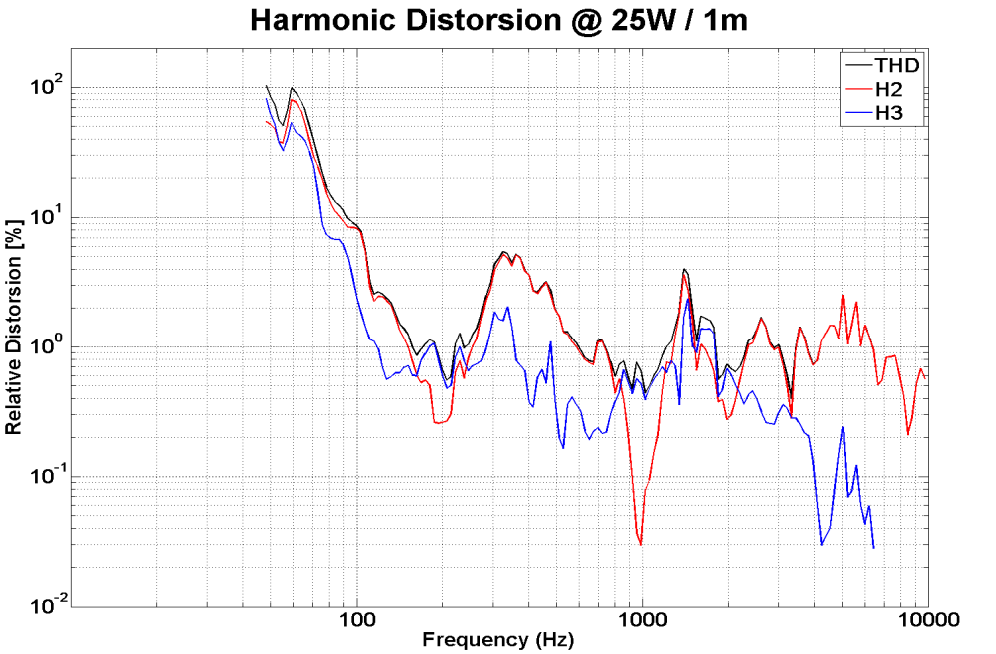
. Graph amplitude = 60 dB (PHL Audio standard)



HD curve measured on CEI standard baffle :

. at 1 meter

. at power = P_AES / 4



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