

3491-14

Nominal Diameter
Rated Impedance
Sensitivity
Power Handling Capacity
SPL max (continuous)
Usable frequency range
Speaker net mass

10 " / 25 cm

250 W AES

114 dB SPL

40-3000 Hz

5.9 kg

6 94 dB SPL

10" bass driver / 1" coaxial



Architecture highlights:

- Noiseless natural convection Intercooling System
- High compliance double half-roll Fabric Surround for low Fs
- Dual side coated diaphragm
- Coaxial apparatus "-14" with rear flange (Max diameter for HF driver = 136.0 mm)

Motor architecture		
Magnet material	-	Fe
Voice coil diameter	mm	64
Voice coil length	mm	17
Air gap height	mm	8

Typical characteristics

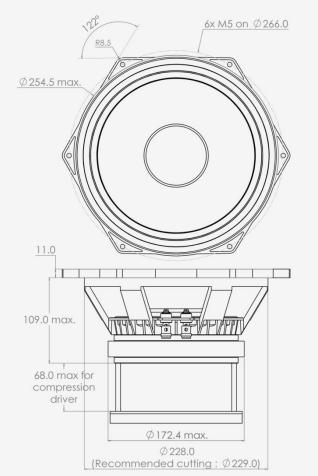
Z	Ω	6
-	dB SPL	94.0
-	Hz	40-3000
-	W	250
SPL _{max}	dB SPL	114
Z_{min}	Ω@Hz	4.4@310
Le _{1k}	mH	0.871
Le _{10k}	mH	0.487
BL	N/A	15.5
Mms	kg	0.0475
	SPL _{max} Z _{min} Le _{1k} Le _{10k} BL	- dB SPL - Hz - W SPL _{max} dB SPL Z _{min} Ω@Hz Le _{1k} mH Le _{10k} mH BL N/A

Thiele-Small parameters

Resonance frequency	Fs	Hz	53 (±7)
DC Resistance	Re	Ω	4.2 (±0.4)
Mechanical quality factor	Qms	1	6.08
Electrical quality factor	Qes	1	0.28
Total quality factor	Qts	1	0.26
Suspension compliance	Cms	10 ⁻⁶ .m/N	190
Effective piston area	Sd	m^2	0.0324
Equivalent Cas air load	Vas	m^3	0.0279
Max linear excursion	Xmax	mm	± 6.0
Linear displacement volume	Vd	10 ⁻³ .m ³	0.1942
Reference efficiency	η_0	%	1.4
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	1.9

Absolute maximum ratings

Short term max. input voltage	Vmax	V	75
Max.excursion before damage	Xdam	mm	± 12.0
Ambient operating temperature	Та	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Tropical



Mounting information

meaning monacon				
Air volume occupied by the driver	10 ⁻³ .m ³	1.50		
Speaker net mass	kg	5.90		
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 l	Ø4 mm Push by		

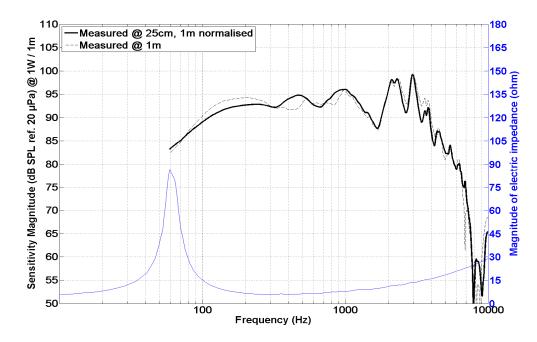


10" bass driver / 1" coaxial



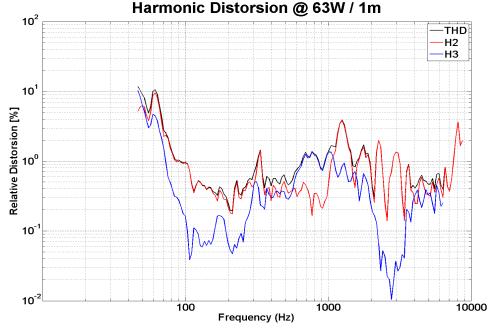
SPL curves measured on CEI standard baffle :

- . 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

