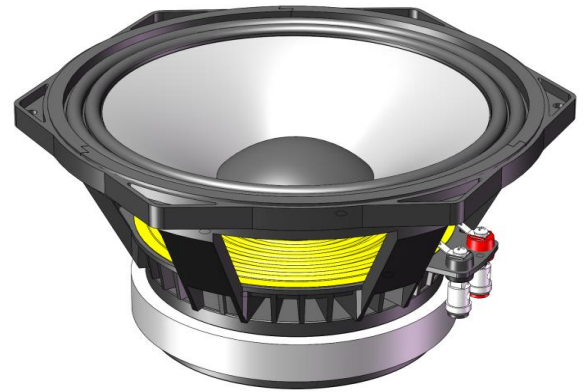




# 3400

Nominal Diameter	10 " / 25 cm
Rated Impedance	8
Sensitivity	94 dB SPL
Power Handling Capacity	300 W AES
SPL max (continuous)	115 dB SPL
Usable frequency range	40 - 2000 Hz
Speaker net mass	5.8 kg

# 10 inches bass driver



### Architecture highlights :

- Noiseless natural convection Intercooling System
- Ferrite magnet system with symmetric BL(x) and Le(x)
- Single side coated diaphragm

### Motor architecture

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

### Typical characteristics

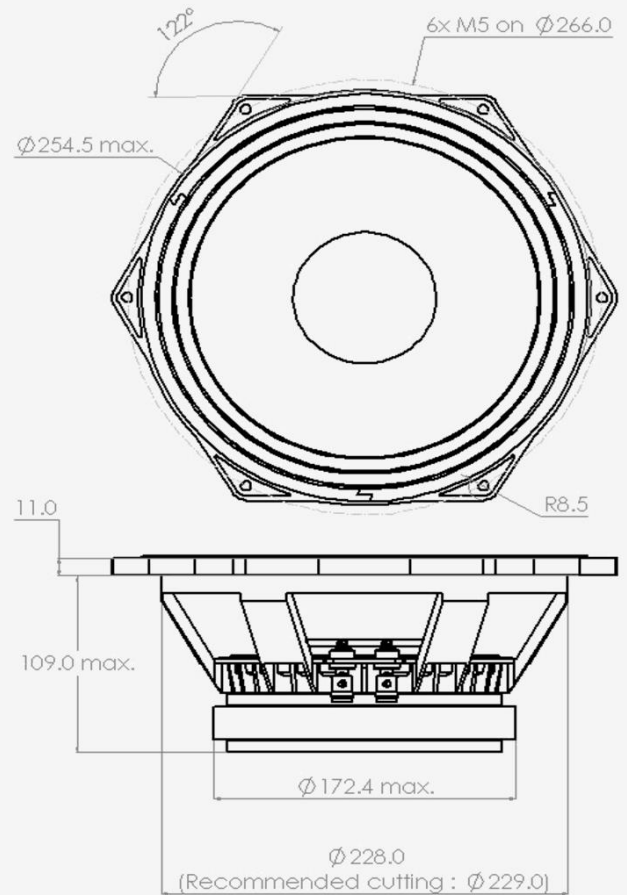
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	94.0
Usable freq. range	-	Hz	40 - 2000
Power handling capacity (AES)	-	W	300
Max Sound Pressure Level	SPL <sub>max</sub>	dB SPL	115
Min. impedance modulus	Z <sub>min</sub>	Ω@Hz	7@300
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	mH	0.925
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	mH	0.478
BL product	BL	N/A	18.1
Moving mass	M <sub>ms</sub>	kg	0.0550

### Thiele-Small parameters

Resonance frequency	F <sub>s</sub>	Hz	53 (±6)
DC Resistance	Re	Ω	5.2 (±0.5)
Mechanical quality factor	Q <sub>ms</sub>	1	6.11
Electrical quality factor	Q <sub>es</sub>	1	0.29
Total quality factor	Q <sub>ts</sub>	1	0.28
Suspension compliance	C <sub>ms</sub>	10 <sup>-6</sup> .m/N	170
Effective piston area	S <sub>d</sub>	m <sup>2</sup>	0.0356
Equivalent Cas air load	V <sub>as</sub>	m <sup>3</sup>	0.0306
Max linear excursion	X <sub>max</sub>	mm	± 6.5
Linear displacement volume	V <sub>d</sub>	10 <sup>-3</sup> .m <sup>3</sup>	0.2316
Reference efficiency	η <sub>0</sub>	%	1.5
Unity load volume	V <sub>as</sub> .Q <sub>ts</sub> <sup>2</sup>	10 <sup>-3</sup> .m <sup>3</sup>	2.4

### Absolute maximum ratings

Short term max. input voltage	V <sub>max</sub>	V	100
Max.excursion before damage	X <sub>dam</sub>	mm	± 14.0
Ambient operating temperature	T <sub>a</sub>	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Humidity proof



### Mounting information

Air volume occupied by the driver	10 <sup>-3</sup> .m <sup>3</sup>	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



3400

10 inches bass driver

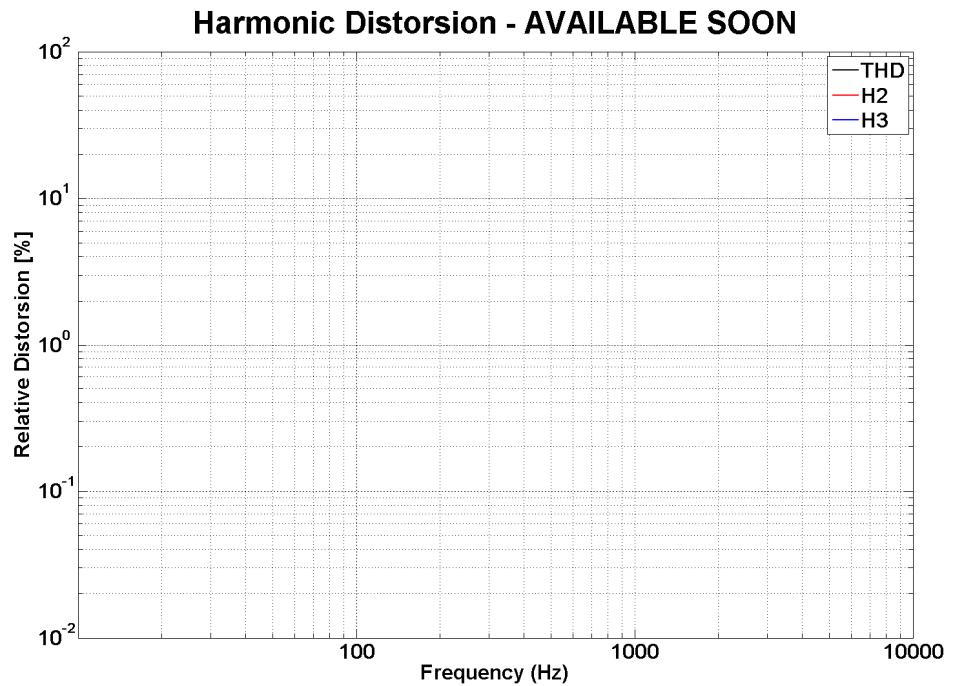
SPL curves measured on CEI standard baffle :

- . 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

