



3541

Nominal Diameter	10 " / 25 cm
Rated Impedance	4
Sensitivity	93.5 dB SPL
Power Handling Capacity	300 W AES
SPL max (continuous)	114 dB SPL
Usable frequency range	40 - 3000 Hz
Speaker net mass	5.8 kg

10 inches bass driver



Architecture highlights :

- Noiseless natural convection Intercooling System
- High compliance double half-roll Fabric Surround for low Fs
- Dual side coated diaphragm

Motor architecture

Magnet material	-	Fe
Voice coil diameter	mm	64
Voice coil length	mm	18
Air gap height	mm	8

Typical characteristics

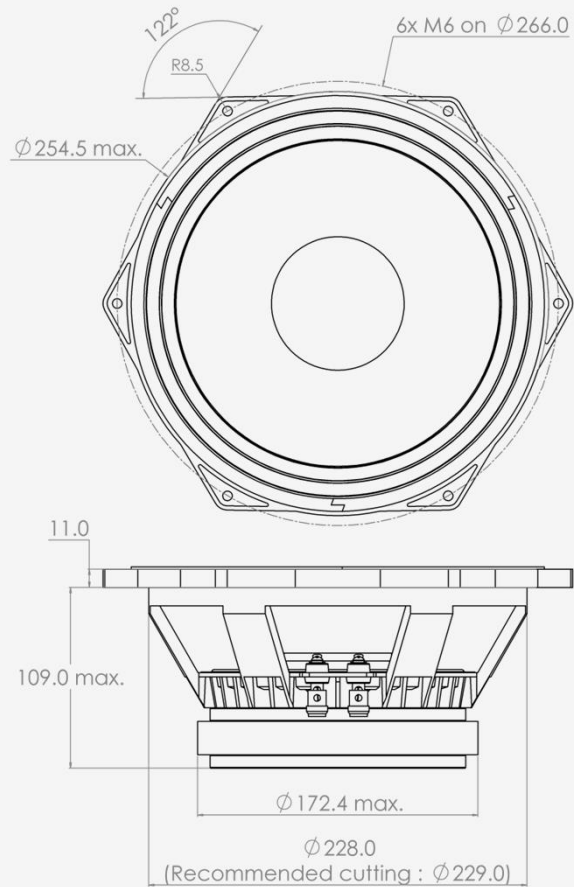
Rated impedance	Z	Ω	4
Half space sensitivity (1W@1m)	-	dB SPL	93.5
Usable freq. range	-	Hz	40 - 3000
Power handling capacity (AES)	-	W	300
Max Sound Pressure Level	SPL _{max}	dB SPL	114
Min. impedance modulus	Z _{min}	Ω @Hz	2.3@310
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.423
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.244
BL product	BL	N/A	11.6
Moving mass	Mms	kg	0.0550

Thiele-Small parameters

Resonance frequency	Fs	Hz	49 (± 7)
DC Resistance	Re	Ω	2.2 (± 0.2)
Mechanical quality factor	Qms	1	5.46
Electrical quality factor	Qes	1	0.28
Total quality factor	Qts	1	0.26
Suspension compliance	Cms	$10^{-6} \cdot \text{m/N}$	190
Effective piston area	Sd	m^2	0.0356
Equivalent Cas air load	Vas	m^3	0.0341
Max linear excursion	Xmax	mm	± 7.0
Linear displacement volume	Vd	$10^{-3} \cdot \text{m}^3$	0.2494
Reference efficiency	η_0	%	1.4
Unity load volume	Vas.Qts ²	$10^{-3} \cdot \text{m}^3$	2.4

Absolute maximum ratings

Short term max. input voltage	Vmax	V	70
Max. excursion before damage	Xdam	mm	± 12.0
Ambient operating temperature	Ta	$^{\circ}\text{C}$	-10 to +50
Storage temperature		$^{\circ}\text{C}$	-20 to +70
Environmental withstanding			Humidity proof



Mounting information

Air volume occupied by the driver	$10^{-3} \cdot \text{m}^3$	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	20L/60Hz
Electrical connection		$\varnothing 4$ mm Push buttons