



2710

Nominal Diameter	8" / 20cm
Rated Impedance	10 Ω
Half space sensitivity (1W@1m)	94 dB SPL
Power Handling Capacity	350 W AES
SPL max (continuous)	115 dB SPL
Usable frequency range	60 - 3000 Hz
Speaker net mass	3.6 kg

Work in progress - 8" bass driver with lightweight ferrite



Architecture Highlights

- Noiseless natural convection Intercooling System
- 2.80 kg lightweight ferrite magnet system with symmetric BL(x)
- High excursion suspension designed for large signal

Motor architecture

Magnet material	-	Fe
Voice coil diameter	mm	51
Voice coil length	mm	22
Air gap height	mm	9

Typical characteristics

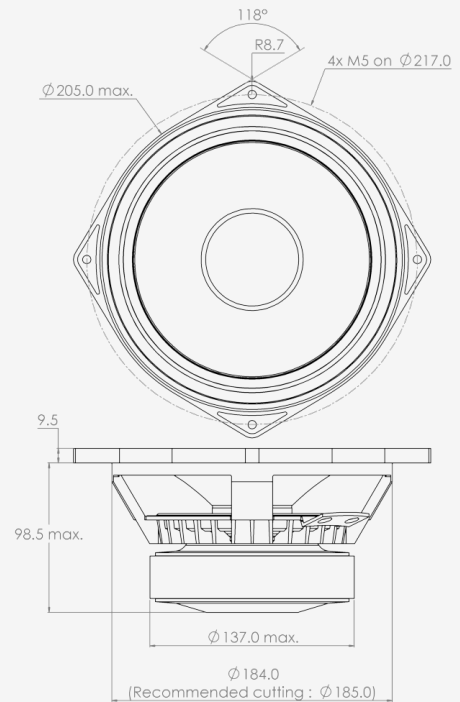
Rated impedance	Z	Ω	10
Half space sensitivity (1W@1m)	-	dB SPL	94.0
Usable freq. range	-	HZ	60 - 3000
Power handling capacity (AES)	-	W	350
Max Sound Pressure Level	SPLmax	dB SPL	115
Min. impedance modulus	Zmin	Ω@Hz	9.0@350
Voice-coil inductance @ 1kHz	Le1k	mH	1.414
Voice-coil inductance @ 10kHz	Le10k	mH	0.511
BL product	BL	N/A	15.4
Moving mass	Mms	kg	0.026

Thiele-Small parameters

Resonance frequency	Fs	Hz	70 (±10)
DC Resistance	Re	Ω	7.3 (±0.7)
Mechanical quality factor	Qms	1	2.86
Electrical quality factor	Qes	1	0.35
Total quality factor	Qts	1	0.31
Suspension compliance	Cms	10 ⁻⁶ .m/N	200
Effective piston area	Sd	m ²	0.0232
Equivalent Cas air load	Vas	m ³	0.0150
Max linear excursion	Xmax	mm	± 9.0
Linear displacement volume	Vd	10 ⁻³ .m ³	0.2091
Reference efficiency	H	%	1.4
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	1.5

Absolute maximum ratings

Short term max. input voltage	Vmax	V	120
Max.excursion before damage	Xdam	mm	± 19
Ambient operating temperature	Ta	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Tropical



Application information

Air volume occupied by the driver	10 ⁻³ .m ³	0.9
Speaker net mass	kg	3.6
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	234.5
Max overall dimension (out of ears)	mm	204.0
Flange height	mm	9.5
Max magnet diameter	mm	136.0
Max depth (front mounting)	mm	98.5
Recommended reflex box	Lts / Hz	17L / 60Hz
Electrical connection	-	6.35x0.8 + 4.8x0.5

FASTON