

Nominal Diameter	17 cm / 6.5 "
Rated Impedance	8
Reference efficiency (1W @ 1m)	95.5 dB SPL
Power Handling Capacity	200 W AES
SPL max (continuous)	116 dB SPL
Usable frequency range	100 - 4000 Hz
Speaker net mass	1.9 kg

Architecture highlights :

- Neodymium magnet system with symmetric BL(x) and Le(x)
- Noiseless natural convection Intercooler System
- Ultra light CCAR voice coil



Motor architecture

Voice coil diameter	mm	51
Voice coil length	mm	11
Air gap height	mm	8

Typical characteristics

Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	95.5
Usable freq. range	-	Hz	100 - 4000
Power handling capacity (AES)	-	W	200
Max Sound Pressure Level	SPL _{max}	dB SPL	116
Min. impedance modulus	Z _{min}	Ω @Hz	5.9@580
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.722
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.314
BL product	BL	N/A	11.9
Moving mass	M _{ms}	kg	0.012

Thiele-Small parameters

Resonance frequency	F _s	Hz	120 (±20)
DC Resistance	Re	Ω	5.2 (±0.5)
Mechanical quality factor	Q _{ms}	1	2.59
Electrical quality factor	Q _{es}	1	0.33
Total quality factor	Q _{ts}	1	0.29
Suspension compliance	C _{ms}	10 ⁻⁶ .m/N	150
Effective piston area	S _d	m ²	0.0145
Equivalent Cas air load	V _{as}	m ³	0.0043
Max linear excursion	X _{max}	mm	± 3.0
Linear displacement volume	V _d	10 ⁻³ .m ³	0.0436
Reference efficiency	η_0	%	2.2
Unity load volume	V _{as} .Q _{ts} ²	10 ⁻³ .m ³	0.4

Absolute maximum ratings

Short term max. input voltage	V _{max}	V	80
Max. excursion before damage	X _{dam}	mm	6.0
Ambient operating temperature	T _a	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Humidityproof

Mounting information

Air volume occupied by the driver	10 ⁻³ .m ³	0.50
Speaker net mass	kg	1.90
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	163.0
Flange height	mm	8.0
Max magnet diameter	mm	98.0
Max depth (front mounting)	mm	76.5
Recommended reflex box	Lts / Hz	5L / 115Hz
Electrical connection		6.35x0.8 FASTON

