

Nominal Diameter	17 cm / 6.5 "
Rated Impedance	8 Ω
Reference efficiency (1W @ 1m)	96.5 dB SPL
Power Handling Capacity	250 W AES
SPL max (continuous)	117 dB SPL
Usable frequency range	400 - 5000 Hz
Speaker net mass	1.6 kg

Architecture highlights :

- Midrange unit with critical damping diaphragm
- Ultra light vented CCAR voice coil
- Natural convection Intercooler System
- High efficiency ultra low THD neodymium magnet system
- Low profile with flat motor
- Coaxial apparatus "6" with 3x M6 on Ø 57.2 mm and 2x M6 on Ø 76.2 mm (Max diameter for HF driver = 95.0 mm)



Motor architecture			
Voice coil diameter	mm		51
Voice coil length	mm		7.5
Air gap height	mm		8

Typical characteristics			
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	96.5
Usable freq. range	-	Hz	400 - 5000
Power handling capacity (AES)	-	W	250
Max Sound Pressure Level	SPL _{max}	dB SPL	117
Min. impedance modulus	Z _{min}	Ω@Hz	6.6@750
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.740
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.404
BL product	BL	N/A	13.7
Moving mass	M _{ms}	kg	0.0105

Thiele-Small parameters			
Resonance frequency	F _s	Hz	160 (±30)
DC Resistance	Re	Ω	5.5 (±0.6)
Mechanical quality factor	Q _{ms}		2.64
Electrical quality factor	Q _{es}		0.31
Total quality factor	Q _{ts}		0.28
Suspension compliance	C _{ms}	10 ⁻⁶ .m/N	90
Effective piston area	S _d	m ²	0.0129
Equivalent Cas air load	V _{as}	m ³	0.0022
Max linear excursion	X _{max}	mm	± 2.0
Linear displacement volume	V _d	10 ⁻³ .m ³	0.0257
Reference efficiency	η ₀	%	2.8
Unity load volume	V _{as} .Q _{ts} ²	10 ⁻³ .m ³	0.2

Absolute maximum ratings			
Short term max. input voltage	V _{max}	V	90
Max. excursion before damage	X _{dam}	mm	4.0
Ambient operating temperature	T _a	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			tropical

Mounting information			
Air volume occupied by the driver	10 ⁻³ .m ³		0.40
Speaker net mass	kg		1.60
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		97.5
Max depth (front mounting)	mm		69.0
Recommended reflex box	Lts / Hz		2-3L sealed
Electrical connection			6.35x0.8 FASTON

