

Nominal Diameter	17 cm / 6.5 "
Rated Impedance	8
Reference efficiency (1W @ 1m)	96 dB SPL
Power Handling Capacity	250 W AES
SPL max (continuous)	117 dB SPL
Usable frequency range	300 - 5000 Hz
Speaker net mass	1.50 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



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	96
Usable freq. range	-	Hz	300 - 5000
Power handling capacity (AES)	-	W	250
Max Sound Pressure Level	SPL _{max}	dB SPL	117
Min. impedance modulus	Z _{min}	Ω @Hz	6.0@650
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.746
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.317
BL product	BL	N/A	12.5
Moving mass	Mms	kg	0.013

Thiele-Small parameters			
Resonance frequency	Fs	Hz	125 (\pm 25)
DC Resistance	Re	Ω	5.2 (\pm 0.5)
Mechanical quality factor	Qms		4.08
Electrical quality factor	Qes		0.34
Total quality factor	Qts		0.31
Suspension compliance	Cms	10^{-6} .m/N	120
Effective piston area	Sd	m ²	0.0150
Equivalent Cas air load	Vas	m ³	0.0039
Max linear excursion	Xmax	mm	\pm 3.5
Linear displacement volume	Vd	10^{-3} .m ³	0.0523
Reference efficiency	η_0	%	2.2
Unity load volume	Vas.Qts ²	10^{-3} .m ³	0.4

Absolute maximum ratings			
Short term max. input voltage	Vmax	V	90
Max.excursion before damage	Xdam	mm	4.0
Ambient operating temperature	Ta	$^{\circ}$ C	-10 to +50
Storage temperature		$^{\circ}$ 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		1.50
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		63.0
Recommended reflex box	Lts / Hz		2-3L sealed
Electrical connection			6.35x0.8 FASTON

