

Nominal Diameter	8" / 20 cm
Rated Impedance	16
Reference efficiency (1W @ 1m)	95.5 dB SPL
Power Handling Capacity	250 W AES
SPL max (continuous)	116 dB SPL
Usable frequency range	70 - 3000 Hz
Speaker net mass	2.45kg

Architecture highlights :

- Neodymium magnet system with symmetric BL(x) and Le(x)
- Natural convection Intercooler System
- High compliance double half-roll Fabric Surround for low Fs
- Double side Coated diaphragm (Tropical withstanding)
- Very high sensitivity



Motor architecture			
Voice coil diameter	mm		51
Voice coil length	mm		13
Air gap height	mm		8

Typical characteristics			
Rated impedance	Z	Ω	16
Half space sensitivity (1W@1m)	-	dB SPL	95.5
Usable freq. range	-	Hz	70- 3000
Power handling capacity (AES)	-	W	250
Max Sound Pressure Level	SPL _{max}	dB SPL	116
Min. impedance modulus	Z _{min}	Ω @Hz	14.3@410
Voice-coil inductance @ 1kHz	Le _{1k}	mH	2.431
Voice-coil inductance @ 10kHz	Le _{10k}	mH	1.116
BL product	BL	N/A	28.0
Moving mass	M _{ms}	kg	0.028

Thiele-Small parameters			
Resonance frequency	Fs	Hz	70 (± 10)
DC Resistance	Re	Ω	11.3 (± 1.1)
Mechanical quality factor	Q _{ms}		4.93
Electrical quality factor	Q _{es}		0.18
Total quality factor	Q _{ts}		0.17
Suspension compliance	C _{ms}	10^{-6} .m/N	180
Effective piston area	S _d	m ²	0.0219
Equivalent Cas air load	V _{as}	m ³	0.0124
Max linear excursion	X _{max}	mm	± 4.0
Linear displacement volume	V _d	10^{-3} .m ³	0.0876
Reference efficiency	η_0	%	2.3
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	125
Max.excursion before damage	X _{dam}	mm	± 10.0
Ambient operating temperature	T _a	$^{\circ}$ 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		0.50
Speaker net mass	kg		2.5
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		234.0
Max overall dimension (out of ears)	mm		205.0
Flange height	mm		9.5
Max magnet diameter	mm		97.0
Max depth (front mounting)	mm		92.0
Recommended reflex box	Lts / Hz	7L / 85Hz	
Electrical connection			6.35x0.8 + 4.8x0.5 FASTON

