

Nominal Diameter	20 cm / 8 "
Rated Impedance	8
Reference efficiency (1W @ 1m)	94 dB SPL
Power Handling Capacity	250 W AES
SPL max (continuous)	115 dB SPL
Usable frequency range	80 - 4000 Hz
Speaker net mass	2.38 kg

Architecture highlights :

- Neodymium magnet system with symmetric BL(x) and Le(x)
- Forced-air Intercooling System for low thermal compression
- High compliance double half-roll Fabric Surround



Motor architecture			
Voice coil diameter	mm		51
Voice coil length	mm		14
Air gap height	mm		8

Typical characteristics			
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	94
Usable freq. range	-	Hz	80 - 4000
Power handling capacity (AES)	-	W	250
Max Sound Pressure Level	SPL _{max}	dB SPL	115
Min. impedance modulus	Z _{min}	Ω @Hz	6.2@470
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.838
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.345
BL product	BL	N/A	12.6
Moving mass	Mms	kg	0.023

Thiele-Small parameters			
Resonance frequency	Fs	Hz	81 (± 12)
DC Resistance	Re	Ω	5.2 (± 0.5)
Mechanical quality factor	Qms		2.34
Electrical quality factor	Qes		0.38
Total quality factor	Qts		0.33
Suspension compliance	Cms	10^{-6} .m/N	170
Effective piston area	Sd	m ²	0.0219
Equivalent Cas air load	Vas	m ³	0.0113
Max linear excursion	Xmax	mm	± 4.5
Linear displacement volume	Vd	10^{-3} .m ³	0.0986
Reference efficiency	η_0	%	1.5
Unity load volume	Vas.Qts ²	10^{-3} .m ³	1.2

Absolute maximum ratings			
Short term max. input voltage	Vmax	V	90
Max. excursion before damage	Xdam	mm	10.0
Ambient operating temperature	Ta	$^{\circ}$ C	-10 to +50
Storage temperature		$^{\circ}$ 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		2.38
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		10L / 80Hz
Electrical connection			$\varnothing 4$ mm Push buttons

