

Nominal Diameter	20 cm / 8 "
Rated Impedance	8
Reference efficiency (1W @ 1m)	98 dB SPL
Power Handling Capacity	200 W AES
SPL max (continuous)	118 dB SPL
Usable frequency range	200 - 5000 Hz
Speaker net mass	2 kg

Architecture highlights :

- Midrange unit with critical damping diaphragm
- Ultra light 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		10
Air gap height	mm		8

Typical characteristics			
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	98
Usable freq. range	-	Hz	200 - 5000
Power handling capacity (AES)	-	W	200
Max Sound Pressure Level	SPL _{max}	dB SPL	118
Min. impedance modulus	Z _{min}	Ω @Hz	6.8@470
Voice-coil inductance @ 1kHz	Le _{1k}	mH	1.003
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.492
BL product	BL	N/A	15.2
Moving mass	Mms	kg	0.019

Thiele-Small parameters			
Resonance frequency	Fs	Hz	110 (± 25)
DC Resistance	Re	Ω	6 (± 0.6)
Mechanical quality factor	Qms		2.63
Electrical quality factor	Qes		0.34
Total quality factor	Qts		0.30
Suspension compliance	Cms	10^{-6} .m/N	110
Effective piston area	Sd	m ²	0.0241
Equivalent Cas air load	Vas	m ³	0.0089
Max linear excursion	Xmax	mm	± 2.0
Linear displacement volume	Vd	10^{-3} .m ³	0.0481
Reference efficiency	η_0	%	3.4
Unity load volume	Vas.Qts ²	10^{-3} .m ³	0.8

Absolute maximum ratings			
Short term max. input voltage	Vmax	V	80
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			humidityproof



Mounting information			
Air volume occupied by the driver	10^{-3} .m ³		0.7
Speaker net mass	kg		2.0
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		78.0
Recommended reflex box	Lts / Hz		3 - 4 L sealed
Electrical connection			6.35x0.8 FASTON

