

Nominal Diameter	<b>17 cm / 6.5 "</b>
Rated Impedance	<b>16</b>
Reference efficiency (1W @ 1m)	<b>95.5 dB SPL</b>
Power Handling Capacity	<b>160 W AES</b>
SPL max (continuous)	<b>114 dB SPL</b>
Usable frequency range	<b>300 - 5000 Hz</b>
Speaker net mass	<b>2.15 kg</b>

### Architecture highlights :

- Midrange unit with critical damping diaphragm
- Ultra light vented CCAR voice coil
- Natural convection Intercooler System
- High efficiency ferrofluid cooled ferrite magnet system



Motor architecture			
Voice coil diameter	mm		38
Voice coil length	mm		8
Air gap height	mm		6

Typical characteristics			
Rated impedance	Z	$\Omega$	16
Half space sensitivity (1W@1m)	-	dB SPL	95.5
Usable freq. range	-	Hz	300 - 5000
Power handling capacity (AES)	-	W	160
Max Sound Pressure Level	SPL <sub>max</sub>	dB SPL	114
Min. impedance modulus	Z <sub>min</sub>	$\Omega$ @Hz	12.9@750
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	mH	1.103
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	mH	0.505
BL product	BL	N/A	12.0
Moving mass	Mms	kg	0.009

Thiele-Small parameters			
Resonance frequency	Fs	Hz	150 (±30)
DC Resistance	Re	$\Omega$	11.7 (±1.2)
Mechanical quality factor	Qms		4.15
Electrical quality factor	Qes		0.67
Total quality factor	Qts		0.58
Suspension compliance	Cms	10 <sup>-6</sup> .m/N	130
Effective piston area	Sd	m <sup>2</sup>	0.0150
Equivalent Cas air load	Vas	m <sup>3</sup>	0.0040
Max linear excursion	Xmax	mm	± 2.0
Linear displacement volume	Vd	10 <sup>-3</sup> .m <sup>3</sup>	0.0299
Reference efficiency	$\eta_0$	%	1.9
Unity load volume	Vas.Qts <sup>2</sup>	10 <sup>-3</sup> .m <sup>3</sup>	1.3

Absolute maximum ratings			
Short term max. input voltage	Vmax	V	100
Max.excursion before damage	Xdam	mm	4.0
Ambient operating temperature	Ta	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			humidityproof

Mounting information			
Air volume occupied by the driver	10 <sup>-3</sup> .m <sup>3</sup>		0.46
Speaker net mass	kg		2.15
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		162.5
Flange height	mm		8.0
Max magnet diameter	mm		117.5
Max depth (front mounting)	mm		68.5
Recommended reflex box	Lts / Hz		7L / 110Hz
Electrical connection			6.35x0.8 FASTON

