

Nominal Diameter	<b>13 cm / 5 "</b>
Rated Impedance	<b>8</b>
Reference efficiency (1W @ 1m)	<b>90 dB SPL</b>
Power Handling Capacity	<b>100 W AES</b>
SPL max (continuous)	<b>106 dB SPL</b>
Usable frequency range	<b>60 - 3000 Hz</b>
Speaker net mass	<b>2.02 kg</b>

### Architecture highlights :

- Noiseless natural convection Intercooling System
- Ferrite magnet system with symmetric BL(x) and Le(x)
- Long excursion suspension with linear behavior for large signal
- Lightweight basket



Motor architecture			
Voice coil diameter	mm		38
Voice coil length	mm		16
Air gap height	mm		6

Typical characteristics			
Rated impedance	Z	$\Omega$	8
Half space sensitivity (1W@1m)	-	dB SPL	90
Usable freq. range	-	Hz	60 - 3000
Power handling capacity (AES)	-	W	100
Max Sound Pressure Level	SPL <sub>max</sub>	dB SPL	106
Min. impedance modulus	Z <sub>min</sub>	$\Omega$ @Hz	6.2@550
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	mH	0.346
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	mH	0.212
BL product	BL	N/A	8.0
Moving mass	M <sub>ms</sub>	kg	0.011

Thiele-Small parameters			
Resonance frequency	F <sub>s</sub>	Hz	66 (±10)
DC Resistance	Re	$\Omega$	5.7 (±0.6)
Mechanical quality factor	Q <sub>ms</sub>		3.87
Electrical quality factor	Q <sub>es</sub>		0.41
Total quality factor	Q <sub>ts</sub>		0.37
Suspension compliance	C <sub>ms</sub>	10 <sup>-6</sup> .m/N	520
Effective piston area	S <sub>d</sub>	m <sup>2</sup>	0.0102
Equivalent Cas air load	V <sub>as</sub>	m <sup>3</sup>	0.0076
Max linear excursion	X <sub>max</sub>	mm	± 6.5
Linear displacement volume	V <sub>d</sub>	10 <sup>-3</sup> .m <sup>3</sup>	0.0663
Reference efficiency	$\eta_0$	%	0.5
Unity load volume	V <sub>as</sub> .Q <sub>ts</sub> <sup>2</sup>	10 <sup>-3</sup> .m <sup>3</sup>	1.1

Absolute maximum ratings			
Short term max. input voltage	V <sub>max</sub>	V	55
Max.excursion before damage	X <sub>dam</sub>	mm	±12
Ambient operating temperature	T <sub>a</sub>	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Outdoor+

Mounting information			
Air volume occupied by the driver	10 <sup>-3</sup> .m <sup>3</sup>		0.38
Speaker net mass	kg		2.02
Baffle cut-out diameter (front mounting)	mm		124.50
Bolt number & Metric diameter	-		4x M5
Bolt circle diameter	mm		147.00
Max overall dimension (on ears)	mm		163.0
Max overall dimension (out of ears)	mm		136.0
Flange height	mm		12.50
Max magnet diameter	mm		117.50
Max depth (front mounting)	mm		75.00
Recommended reflex box	Lts / Hz		8L / 60Hz
Electrical connection			6.35x0.8 + 4.8x0.5 FASTON

