

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>107 dB SPL</b>
Usable frequency range	<b>60 - 3000 Hz</b>
Speaker net mass	<b>0.98 kg</b>

### Architecture highlights :

- Noiseless natural convection Intercooling System
- Neodymium 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	107
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	8.1
Moving mass	Mms	kg	0.011

Thiele-Small parameters			
Resonance frequency	Fs	Hz	66 ( $\pm 10$ )
DC Resistance	Re	$\Omega$	5.7 ( $\pm 0.6$ )
Mechanical quality factor	Qms		3.87
Electrical quality factor	Qes		0.40
Total quality factor	Qts		0.37
Suspension compliance	Cms	$10^{-6}$ .m/N	520
Effective piston area	Sd	m <sup>2</sup>	0.0102
Equivalent Cas air load	Vas	m <sup>3</sup>	0.0076
Max linear excursion	Xmax	mm	$\pm 6.5$
Linear displacement volume	Vd	$10^{-3}$ .m <sup>3</sup>	0.0663
Reference efficiency	$\eta_0$	%	0.5
Unity load volume	Vas.Qts <sup>2</sup>	$10^{-3}$ .m <sup>3</sup>	1.0

Absolute maximum ratings			
Short term max. input voltage	Vmax	V	55
Max.excursion before damage	Xdam	mm	$\pm 12$
Ambient operating temperature	Ta	$^{\circ}$ C	-10 to +50
Storage temperature		$^{\circ}$ C	-20 to +70
Environmental withstanding			Outdoor+

Mounting information		
Air volume occupied by the driver	$10^{-3}$ .m <sup>3</sup>	0.18
Speaker net mass	kg	0.98
Baffle cut-out diameter (front mounting)	mm	124.5
Bolt number & Metric diameter	-	4x M5
Bolt circle diameter	mm	147.0
Max overall dimension (on ears)	mm	163.0
Max overall dimension (out of ears)	mm	136.0
Flange height	mm	12.5
Max magnet diameter	mm	-
Max depth (front mounting)	mm	73.50
Recommended reflex box	Lts / Hz	8L / 60Hz
Electrical connection	6.35x0.8 + 4.8x0.5 FASTON	

