

Nominal Diameter	<b>20 cm / 8"</b>
Rated Impedance	<b>8 Ω 或 10 Ω</b>
Reference efficiency (1W @ 1m)	<b>94 dB SPL</b>
Power Handling Capacity	<b>350 W AES</b>
SPL max (continuous)	<b>115 dB SPL</b>
Usable frequency range	<b>60 - 3000 Hz</b>
Speaker net mass	<b>3.6 kg</b>

### Architecture highlights :

*Noiseless natural convection Intercooling System*

*2.80 kg lightweight ferrite magnet system with symmetric BL(x)*

*High excursion suspension designed for large signal*



Motor architecture		
Magnet material	-	Fe
Voice coil diameter	mm	51
Voice coil length	mm	22
Air gap height	mm	9

Typical characteristics			
Rated impedance	Z	Ω	8 或 10
Half space sensitivity (1W@1m)	-	dB SPL	94
Usable freq. range	-	Hz	60 - 3000
Power handling capacity (AES)	-	W	350
Max Sound Pressure Level	SPL <sub>max</sub>	dB SPL	115
Min. impedance modulus	Z <sub>min</sub>	Ω@Hz	9.0@350
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	mH	1.414
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	mH	0.511
BL product	BL	N/A	15.4
Moving mass	M <sub>ms</sub>	kg	0.026

Thiele-Small parameters			
Resonance frequency	F <sub>s</sub>	Hz	70 (±10)
DC Resistance	Re	Ω	7.3 (±0.7)
Mechanical quality factor	Q <sub>ms</sub>	1	2.86
Electrical quality factor	Q <sub>es</sub>	1	0.35
Total quality factor	Q <sub>ts</sub>	1	0.31
Suspension compliance	C <sub>ms</sub>	10 <sup>-6</sup> .m/N	200
Effective piston area	S <sub>d</sub>	m <sup>2</sup>	0.0232
Equivalent Cas air load	V <sub>as</sub>	m <sup>3</sup>	0.0150
Max linear excursion	X <sub>max</sub>	mm	± 9
Linear displacement volume	V <sub>d</sub>	10 <sup>-3</sup> .m <sup>3</sup>	0.2091
Reference efficiency	η <sub>0</sub>	%	1.4
Unity load volume	V <sub>as</sub> .Q <sub>ts</sub> <sup>2</sup>	10 <sup>-3</sup> .m <sup>3</sup>	1.5

Absolute maximum ratings			
Short term max. input voltage	V <sub>max</sub>	V	120
Max.excursion before damage	X <sub>dam</sub>	mm	± 19
Ambient operating temperature	T <sub>a</sub>	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Tropical

Mounting information		
Air volume occupied by the driver	10 <sup>-3</sup> .m <sup>3</sup>	0.9
Speaker net mass	kg	3.65
Baffle cut-out diameter (front mounting)	mm	185
Bolt number & Metric diameter	-	4x M5
Bolt circle diameter	mm	217
Max overall dimension (on ears)	mm	234.5
Max overall dimension (out of ears)	mm	204
Flange height	mm	9.5
Max magnet diameter	mm	136
Max depth (front mounting)	mm	98.5
Recommended reflex box	Lts / Hz	17L / 60Hz
Electrical connection		6.35x0.8 FASTON

