

Nominal Diameter	25 cm / 10 "
Rated Impedance	8
Reference efficiency (1W @ 1m)	94 dB SPL
Power Handling Capacity	400 W AES
SPL max (continuous)	116 dB SPL
Usable frequency range	35 - 2000 Hz
Speaker net mass	4.1 kg

Architecture highlights :

- Noiseless natural convection Intercooling System
- Neodymium magnet system with symmetric BL(x) and Le(x)
- Dual side coated diaphragm
- High excursion 24.0 mm winding voice coil
- Linear BL(x) on +/-6mm



Motor architecture			
Voice coil diameter	mm	64	
Voice coil length	mm	24	
Air gap height	mm	10	

Typical characteristics			
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	94
Usable freq. range	-	Hz	35 - 2000
Power handling capacity (AES)	-	W	400
Max Sound Pressure Level	SPL _{max}	dB SPL	116
Min. impedance modulus	Z _{min}	Ω @Hz	
Voice-coil inductance @ 1kHz	Le _{1k}	mH	
Voice-coil inductance @ 10kHz	Le _{10k}	mH	
BL product	BL	N/A	21.6
Moving mass	Mms	kg	0.062

Thiele-Small parameters			
Resonance frequency	Fs	Hz	47 (± 7)
DC Resistance	Re	Ω	5.6 (± 0.6)
Mechanical quality factor	Qms	1	4.58
Electrical quality factor	Qes	1	0.22
Total quality factor	Qts	1	0.21
Suspension compliance	Cms	10^{-6} .m/N	180
Effective piston area	Sd	m ²	0.0356
Equivalent Cas air load	Vas	m ³	0.0329
Max linear excursion	Xmax	mm	± 8.0
Linear displacement volume	Vd	10^{-3} .m ³	0.2851
Reference efficiency	η_0	%	1.5
Unity load volume	Vas.Qts ²	10^{-3} .m ³	1.4

Absolute maximum ratings			
Short term max. input voltage	Vmax	V	115
Max.excursion before damage	Xdam	mm	± 12.0
Ambient operating temperature	Ta	$^{\circ}$ C	-10 to +50
Storage temperature		$^{\circ}$ C	-20 to +70
Environmental withstanding			Tropical

Mounting information		
Air volume occupied by the driver	10^{-3} .m ³	1.10
Speaker net mass	kg	4.1
Baffle cut-out diameter (front mounting)	mm	229.0
Bolt number & Metric diameter	-	6x M5
Bolt circle diameter	mm	266.0
Max overall dimension (on ears)	mm	283.5
Max overall dimension (out of ears)	mm	254.5
Flange height	mm	11.0
Max magnet diameter	mm	162.5
Max depth (front mounting)	mm	122.5
Recommended reflex box	Lts / Hz	15L / 50Hz
Electrical connection	$\varnothing 4$ mm Push buttons	

