

Nominal Diameter	25 cm / 10 "
Rated Impedance	8
Reference efficiency (1W @ 1m)	93 dB SPL
Power Handling Capacity	500 W AES
SPL max (continuous)	117 dB SPL
Usable frequency range	45 - 2500 Hz
Speaker net mass	5.2 kg

Architecture highlights :

- Noiseless natural convection Intercooling System
- Front side coated diaphragm
- High excursion 25.0 mm winding voice coil
- Linear BL(x) on +/-7mm



Motor architecture			
Voice coil diameter	mm		77
Voice coil length	mm		25
Air gap height	mm		10

Typical characteristics			
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	93
Usable freq. range	-	Hz	45 - 2500
Power handling capacity (AES)	-	W	500
Max Sound Pressure Level	SPL _{max}	dB SPL	117
Min. impedance modulus	Z _{min}	Ω @Hz	5.2@290
Voice-coil inductance @ 1kHz	Le _{1k}	mH	1.396
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.765
BL product	BL	N/A	22.4
Moving mass	Mms	kg	0.074

Thiele-Small parameters			
Resonance frequency	Fs	Hz	49 (\pm 7)
DC Resistance	Re	Ω	5.4 (\pm 0.5)
Mechanical quality factor	Qms		5.70
Electrical quality factor	Qes		0.25
Total quality factor	Qts		0.24
Suspension compliance	Cms	10^{-6} .m/N	140
Effective piston area	Sd	m ²	0.0356
Equivalent Cas air load	Vas	m ³	0.0253
Max linear excursion	Xmax	mm	\pm 8.0
Linear displacement volume	Vd	10^{-3} .m ³	0.2851
Reference efficiency	η_0	%	1.2
Unity load volume	Vas.Qts ²	10^{-3} .m ³	1.4

Absolute maximum ratings			
Short term max. input voltage	Vmax	V	125
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			humidityproof

Mounting information			
Air volume occupied by the driver	10^{-3} .m ³		1.4
Speaker net mass	kg		5.2
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		283.0
Max overall dimension (out of ears)	mm		254.0
Flange height	mm		11.0
Max magnet diameter	mm		140.0
Max depth (front mounting)	mm		125.5
Recommended reflex box	Lts / Hz		14L / 50Hz
Electrical connection			\varnothing 4 mm Push buttons

