

Nominal Diameter	20 cm / 8 "
Rated Impedance	6
Reference efficiency (1W @ 1m)	91 dB SPL
Power Handling Capacity	250 W AES
SPL max (continuous)	112 dB SPL
Usable frequency range	80 - 4000 Hz
Speaker net mass	2.4 kg

Architecture highlights :

- Neodymium magnet system with symmetric BL(x) and Le(x)
- High excursion 22.0 mm winding voice coil
- High compliance double half-roll Fabric Surround for low Fs
- Natural convection Intercooler System
- Double side Coated diaphragm (Tropical withstanding)

Motor architecture

Voice coil diameter	mm	51
Voice coil length	mm	22
Air gap height	mm	8

Typical characteristics

Rated impedance	Z	Ω	6
Half space sensitivity (1W@1m)	-	dB SPL	91
Usable freq. range	-	Hz	80 - 4000
Power handling capacity (AES)	-	W	250
Max Sound Pressure Level	SPL _{max}	dB SPL	112
Min. impedance modulus	Z _{min}	Ω @Hz	5.7@300
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.951
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.389
BL product	BL	N/A	12.6
Moving mass	Mms	kg	0.034

Thiele-Small parameters

Resonance frequency	Fs	Hz	65 (± 10)
DC Resistance	Re	Ω	4.7 (± 0.5)
Mechanical quality factor	Qms	1	3.97
Electrical quality factor	Qes	1	0.41
Total quality factor	Qts	1	0.37
Suspension compliance	Cms	10^{-6} .m/N	180
Effective piston area	Sd	m ²	0.0219
Equivalent Cas air load	Vas	m ³	0.0118
Max linear excursion	Xmax	mm	± 6.0
Linear displacement volume	Vd	10^{-3} .m ³	0.1314
Reference efficiency	η_0	%	0.8
Unity load volume	Vas.Qts ²	10^{-3} .m ³	1.6

Absolute maximum ratings

Short term max. input voltage	Vmax	V	75
Max.excursion before damage	Xdam	mm	10.0
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	0.50
Speaker net mass	kg	2.40
Baffle cut-out diameter (front mounting)	mm	185.0
Bolt number & Metric diameter	-	4x M5
Bolt circle diameter	mm	217.0
Max overall dimension (on ears)	mm	234.0
Max overall dimension (out of ears)	mm	205.0
Flange height	mm	9.5
Max magnet diameter	mm	97.0
Max depth (front mounting)	mm	92.0
Recommended reflex box	Lts / Hz	20L / 70Hz
Electrical connection		6.35x0.8 + 4.8x0.5 FASTON

