

Nominal Diameter	20 cm / 8 "
Rated Impedance	8 Ω
Reference efficiency (1W @ 1m)	92 dB SPL
Power Handling Capacity	200 W AES
SPL max (continuous)	111 dB SPL
Usable frequency range	70 - 4000 Hz
Speaker net mass	3.1 kg

Architecture highlights :

- High compliance double half-roll Fabric Surround
- Double side Coated diaphragm (Tropical withstanding)
- Acoustic fabric dustcap for coaxial application
- Ultra light CCAR voice coil
- Coaxial apparatus with 3x M6 on Ø 57.2 mm and 2x M6 on Ø 76.2 mm (Max diameter for HF driver = 95.0 mm)

Motor architecture			
Voice coil diameter	mm		51
Voice coil length	mm		14
Air gap height	mm		6

Typical characteristics			
Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	92.0
Usable freq. range	-	Hz	70 - 4000
Power handling capacity (AES)	-	W	200
Max Sound Pressure Level	SPL _{max}	dB SPL	111
Min. impedance modulus	Z _{min}	Ω@Hz	5.4@410
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0.697
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.268
BL product	BL	N/A	10.4
Moving mass	M _{ms}	kg	0.022

Thiele-Small parameters			
Resonance frequency	F _s	Hz	77 (±11)
DC Resistance	Re	Ω	5.2 (±0.5)
Mechanical quality factor	Q _{ms}		3.01
Electrical quality factor	Q _{es}		0.51
Total quality factor	Q _{ts}		0.43
Suspension compliance	C _{ms}	10 ⁻⁶ .m/N	200
Effective piston area	S _d	m ²	0.0198
Equivalent Cas air load	V _{as}	m ³	0.0108
Max linear excursion	X _{max}	mm	± 5.0
Linear displacement volume	V _d	10 ⁻³ .m ³	0.0990
Reference efficiency	η ₀	%	0.9
Unity load volume	V _{as} .Q _{ts} ²	10 ⁻³ .m ³	2.0

Absolute maximum ratings			
Short term max. input voltage	V _{max}	V	80
Max.excursion before damage	X _{dam}	mm	10.0
Ambient operating temperature	T _a	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			Tropical



Mounting information			
Air volume occupied by the driver	10 ⁻³ .m ³		0.72
Speaker net mass	kg		3.10
Baffle cut-out diameter (front mounting)	mm		185.0
Bolt number & Metric diameter	-		4xM5
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		138.0
Max depth (front mounting)	mm		90.0
Recommended reflex box	Lts / Hz		12L / 80Hz
Electrical connection			6.35x0.8 FASTON

