

Nominal Diameter	<b>38 cm / 15 "</b>
Rated Impedance	<b>8</b>
Reference efficiency (1W @ 1m)	<b>97.5 dB SPL</b>
Power Handling Capacity	<b>400 W AES</b>
SPL max (continuous)	<b>120 dB SPL</b>
Usable frequency range	<b>50 - 2000 Hz</b>
Speaker net mass	<b>9.5 kg</b>

### Architecture highlights :

- Natural convection Intercooling System
- Both sides coated Curvilinear cone (Tropical withstanding)
- High compliance double half-roll fabric surround
- Ultra light injection molded basket
- Coaxial apparatus "-5" with 2x M6 on  $\varnothing$  76.2 mm  
(Max diameter for HF driver = 145.0 mm)

### Motor architecture

Voice coil diameter	mm	77
Voice coil length	mm	18
Air gap height	mm	10

### Typical characteristics

Rated impedance	Z	$\Omega$	8
Half space sensitivity (1W@1m)	-	dB SPL	97.5
Usable freq. range	-	Hz	50 - 2000
Power handling capacity (AES)	-	W	400
Max Sound Pressure Level	SPL <sub>max</sub>	dB SPL	120
Min. impedance modulus	Z <sub>min</sub>	$\Omega$ @Hz	6.2@270
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	mH	1.302
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	mH	0.550
BL product	BL	N/A	21.0
Moving mass	Mms	kg	0.098

### Thiele-Small parameters

Resonance frequency	Fs	Hz	49 ( $\pm$ 6)
DC Resistance	Re	$\Omega$	5.4 ( $\pm$ 0.5)
Mechanical quality factor	Qms	1	3.02
Electrical quality factor	Qes	1	0.37
Total quality factor	Qts	1	0.33
Suspension compliance	Cms	$10^{-6}$ .m/N	110
Effective piston area	Sd	m <sup>2</sup>	0.0845
Equivalent Cas air load	Vas	m <sup>3</sup>	0.1076
Max linear excursion	Xmax	mm	$\pm$ 6.5
Linear displacement volume	Vd	$10^{-3}$ .m <sup>3</sup>	0.5492
Reference efficiency	$\eta_0$	%	3.3
Unity load volume	Vas.Qts <sup>2</sup>	$10^{-3}$ .m <sup>3</sup>	11.7

### Absolute maximum ratings

Short term max. input voltage	Vmax	V	115
Max.excursion before damage	Xdam	mm	14.0
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 <sup>3</sup>	4.3
Speaker net mass	kg	9.5
Baffle cut-out diameter (front mounting)	mm	356.0
Bolt number & Metric diameter	-	8x M6
Bolt circle diameter	mm	370 & 388
Max overall dimension (on ears)	mm	406.5
Max overall dimension (out of ears)	mm	380.5
Flange height	mm	13.0
Max magnet diameter	mm	204.0
Max depth (front mounting)	mm	155.5
Recommended reflex box	Lts / Hz	65L / 46Hz
Electrical connection		$\varnothing$ 4 mm Push buttons

