

Nominal Diameter	<b>46 cm / 18 "</b>
Rated Impedance	<b>8</b>
Reference efficiency (1W @ 1m)	<b>97 dB SPL</b>
Power Handling Capacity	<b>1000 W AES</b>
SPL max (continuous)	<b>123 dB SPL</b>
Usable frequency range	<b>30 - 800 Hz</b>
Speaker net mass	<b>10.9 kg</b>

### Architecture highlights :

- Forced-air Intercooling System for low thermal compression
- Both sides coated Curvilinear cone (Tropical withstanding)
- High compliance double half-roll fabric surround



Motor architecture			
Voice coil diameter	mm		101
Voice coil length	mm		22
Air gap height	mm		10

Typical characteristics			
Rated impedance	Z	$\Omega$	8
Half space sensitivity (1W@1m)	-	dB SPL	97
Usable freq. range	-	Hz	30 - 800
Power handling capacity (AES)	-	W	1000
Max Sound Pressure Level	SPL <sub>max</sub>	dB SPL	123
Min. impedance modulus	Z <sub>min</sub>	$\Omega$ @Hz	6.8@200
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	mH	1.796
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	mH	0.866
BL product	BL	N/A	26.6
Moving mass	Mms	kg	0.195

Thiele-Small parameters			
Resonance frequency	Fs	Hz	34 ( $\pm 5$ )
DC Resistance	Re	$\Omega$	5.6 ( $\pm 0.6$ )
Mechanical quality factor	Qms		4.17
Electrical quality factor	Qes		0.33
Total quality factor	Qts		0.31
Suspension compliance	Cms	$10^{-6}$ .m/N	110
Effective piston area	Sd	m <sup>2</sup>	0.1282
Equivalent Cas air load	Vas	m <sup>3</sup>	0.2585
Max linear excursion	Xmax	mm	$\pm 8.5$
Linear displacement volume	Vd	$10^{-3}$ .m <sup>3</sup>	1.0896
Reference efficiency	$\eta_0$	%	3.0
Unity load volume	Vas.Qts <sup>2</sup>	$10^{-3}$ .m <sup>3</sup>	24.1

Absolute maximum ratings			
Short term max. input voltage	Vmax	V	180
Max.excursion before damage	Xdam	mm	16.0
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>		7.0
Speaker net mass	kg		10.9
Baffle cut-out diameter (front mounting)	mm		422.0
Bolt number & Metric diameter	-		8x M6
Bolt circle diameter	mm		454.0
Max overall dimension (on ears)	mm		476.0
Max overall dimension (out of ears)	mm		457.0
Flange height	mm		15.0
Max magnet diameter	mm		225.0
Max depth (front mounting)	mm		171.0
Recommended reflex box	Lts / Hz		180L / 38Hz
Electrical connection			$\varnothing$ 4 mm Push buttons

