



# SPECIFICATION SHEET

<b>Speaker type:</b>	<b>E171-8</b>		
<b>Model number :</b>	<b>SP</b>	<b>1426</b>	
Upgrade		Preliminary	
<b>Architecture particularities:</b>	<ul style="list-style-type: none"> <li>- <i>Double side Coated diaphragm (Tropical withstanding)</i></li> <li>- <i>High compliance double half-roll Fabric Surround</i></li> <li>- <i>High excursion vented voice coil</i></li> </ul>		
<b>Typical characteristics</b>			
Rated impedance	Z	$\Omega$	8
Half space sensitivity (1W @ 1m)	-	dB SPL	95
Usable freq. range	-	Hz	70-4000
Power handling capacity (AES)	-	W	100
Max Sound Pressure Level	SPLmax	dB SPL	111
Min. impedance modulus	Zmin	$\Omega$ @Hz	6.6@450
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	mH	0,67
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	mH	0,29
BL product	BL	N/A	10,3
Moving mass	Mms	kg	0,0118
<b>Thiele-Small parameters: Typical (QC limits)</b>			
Resonance frequency	Fs	Hz	80(±12)
DC Resistance	Re	$\Omega$	5.7(±0.6)
Mechanical quality factor	Qms	1	2.4
Electrical quality factor	Qes	1	0.32
Total quality factor	Qts	1	0.28
Mechanical suspension compliance	Cms	10 <sup>-6</sup> .m/N	335
Effective piston area	Sd	m <sup>2</sup>	0,0145
Equivalent Cas air load	Vas	m <sup>3</sup>	0.0099
Max linear excursion	Xmax	±mm	3,5
Linear displacement volume	Vd	10 <sup>-3</sup> .m <sup>3</sup>	0,051
Reference efficiency	$\eta_0$	%	1.5
Unity load volume	Vas.Qts <sup>2</sup>	10 <sup>-3</sup> .m <sup>3</sup>	0.8
<b>Absolute maximum ratings</b>			
Short term max. input voltage	Vmax	V	60
Max excursion before damage	Xdam	±mm	6
Ambient operating temperature	Ta	°C	-10 to +50
Storage temperature	-	°C	-20 to +70
Environemental withstanding	-	-	Tropical
<b>Application information</b>			
Air volume occupied by the driver	-	10 <sup>-3</sup> .m <sup>3</sup>	0,51
Speaker net mass		kg	2,150
Baffle cut-out Diameter (Front mounting)		mm	146,0
Bolt number & Metric Diameter		-	4x M5
Bolt Circle Diameter		mm	172,00
Max Overall dimension (on ears)		mm	187,5
Max Overall Diemension (out of ears)		mm	162,5
Flange Height		mm	8,0
Max Magnet Diameter		mm	117,5
Max Depth (Front mounting)		mm	68,5
Recommended reflex box	Vb/Fb	Lts/Hz	8L/80Hz

Note: These specifications are stated to be representative of current production after conditioning. Because of our continous research they are subject to change without notice. The latest upgrade dating cancels the previous one.