



SPECIFICATION SHEET

Speaker type:	E171-8	
Model number :	SP	1417
Upgrade		Preliminary

Architecture particularities:

- *Natural Convection Intercooler System*
- *High definition CCAR vented voice coil*
- *High compliance double half-roll Fabric Surround*

Typical characteristics			
Rated impedance	Z	Ω	8
Half space sensitivity (1W @1m)	-	dB SPL	94
Usable freq. range	-	Hz	65 - 5000
Power handling capacity (AES)	-	W	100
Max Sound Pressure Level	SPLmax	dB SPL	110
Min. impedance modulus	Zmin	Ω @Hz	6.0@640
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0,55
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0,23
BL product	BL	N/A	8,5
Moving mass	Mms	kg	0,0100
Thiele-Small parameters: Typical (QC limits)			
Resonance frequency	Fs	Hz	77 (\pm 13)
DC Resistance	Re	Ω	5,4
Mechanical quality factor	Qms	1	2,4
Electrical quality factor	Qes	1	0,36
Total quality factor	Qts	1	0,31
Mechanical suspension compliance	Cms	10^{-6} .m/N	430
Effective piston area	Sd	m ²	0,0145
Equivalent Cas air load	Vas	m ³	0,013
Max linear excursion	Xmax	\pm mm	3,5
Linear displacement volume	Vd	10^{-3} .m ³	0,051
Reference efficiency	η_0	%	1,5
Unity load volume	Vas.Qts ²	10^{-3} .m ³	1,2
Absolute maximum ratings			
Short term max. input voltage	Vmax	V	55
Max.excursion before damage	Xdam	\pm mm	6
Ambient operating temperature	Ta	$^{\circ}$ C	-10 to +50
Storage temperature	-	$^{\circ}$ C	-20 to +70
Environmental withstanding	-	-	humidityproof
Application information			
Air volume occupied by the driver	-	10^{-3} .m ³	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	7L / 110Hz

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.