



<h1>X25</h1>	<h2>COAXIAL - 25cm / 10"</h2>								
	Speaker type	Coax 1"	Coax 1"		Coax 1"				
Reference	3490	3491		3500					

TYPICAL CHARACTERISTICS

Rated impedance	Z	Ω	6	6	8				
Half space sensitivity (1W@1m)	-	dB SPL	96	95	97				
Usable freq. range	-	Hz	60-3000	60-3000	60-3000				
Power handling capacity (AES)	-	W	300	300	250				
Max Sound Pressure Level	SPLmax	dB SPL	117	116	117				
Min. impedance modulus	Zmin	Ω @Hz	4.4@310	4.4@310	5.9@380				
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0,87	0,87	0,84				
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0,49	0,49	0,46				
BL product	BL	N/A	15,50	15,50	15,60				
Moving mass	Mms	kg	0,045	0,0475	0,034				

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	Hz	54(±7)	52 (±7)	60(±8)				
DC Resistance	Re	Ω	4.2(±0.5)	4.2(±0.5)	5.6(±0.6)				
Mechanical quality factor	Qms	1	5,9	6,0	4,9				
Electrical quality factor	Qes	1	0,27	0,28	0,30				
Total quality factor	Qts	1	0,26	0,27	0,29				
Mechanical suspension compliance	Cms	10 ⁻⁶ .m/N	195	195	220				
Effective piston area	Sd	m ²	0,0324	0,0324	0,0324				
Equivalent Cas air load	Vas	m ³	0,028	0,0283	0,031				
Max linear excursion	Xmax	±mm	5,5	5,5	4,5				
Linear displacement volume	Vd	10 ⁻³ .m ³	0,178	0,178	0,146				
Reference efficiency	η_0	%	1,6	1,4	2,2				
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	1,8	1,9	2,5				

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	85	85	90				
Max.excursion before damage	Xdam	±mm	12	12	12				
Ambient operating temperature	Ta	°C	-10 to +50	-10 to +50	-10 to +50				
Storage temperature	-	°C	-20 to +70	-20 to +70	-20 to +70				
Environemental withstanding *	-	-	Outdoor	Outdoor +	Outdoor				

APPLICATION INFORMATION

Air volume occupied by the driver	-	10 ⁻³ .m ³	1,5	1,5	1,5				
Speaker net mass		kg	5,840	5,840	5,840				
Recommended reflex box	Vb/Fb	Lts/Hz	20L / 70Hz	20L / 70Hz	20L / 70Hz				

* Our products are classified in three categories : **Indoor**, **Outdoor**, and **Outdoor +** for permanent outdoor use or severe conditions.

upgrade : 12/10/2006

These specifications are representative of current production after packaging. Because of our continuous research they are subject to change without notice.