



<h1>X17</h1>	<h2>COAXIAL - 17cm / 6.5"</h2>								
	Speaker type Reference	Coax 1" 1520	Coax 1" 1530	Coax 1" 1550	Coax 1" 1600	Coax 1" 1640	Coax 1" 1680	Coax 1" 1690	Coax 1" 1740

TYPICAL CHARACTERISTICS

Rated impedance	Z	Ω	8	16	16	8	8	8	16	8
Half space sensitivity (1W@1m)	-	dB SPL	97	97	93	93	97	97	97	96
Usable freq. range	-	Hz	400-5000	400-5000	70-4000	70-4000	400-5000	300-5000	300-5000	250-5000
Power handling capacity (AES)	-	W	250	250	130	130	250	250	250	200
Max Sound Pressure Level	SPLmax	dB SPL	118	118	110	110	117	117	117	115
Min. impedance modulus	Zmin	Ω@Hz	6.2@750	12.0@700	11.6@590	5.8@550	6.2@750	5.8@650	13.5@600	5.8@650
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0,55	1,08	1,09	0,55	0,55	0,55	1,51	0,55
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0,31	0,62	0,47	0,26	0,31	0,26	0,72	0,26
BL product	BL	N/A	11,0	15,8	13,0	9,8	11,0	9,8	16,1	9,8
Moving mass	Mms	kg	0,0105	0,0105	0,0128	0,0120	0,0095	0,0107	0,0107	0,0111

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	Hz	130(±25)	130(±25)	53(±10)	55(±10)	110(±25)	125(±25)	125(±25)	120(±25)
DC Resistance	Re	Ω	5.5(±0.5)	10.6(±1.1)	10.2(±1.0)	5.4(±0.5)	5.4(±0.5)	5.4(±0.5)	11.6(±1.1)	5.4(±0.5)
Mechanical quality factor	Qms	1	4,0	4,0	3,1	3,0	3,8	4,0	4,0	4,0
Electrical quality factor	Qes	1	0,38	0,35	0,26	0,23	0,37	0,47	0,38	0,47
Total quality factor	Qts	1	0,35	0,33	0,24	0,21	0,33	0,42	0,35	0,42
Mechanical suspension compliance	Cms	10 ⁻⁶ .m/N	145	145	700	700	145	151	151	158
Effective piston area	Sd	m ²	0,0123	0,0123	0,0123	0,0123	0,0123	0,0129	0,0129	0,0129
Equivalent Cas air load	Vas	m ³	0,0035	0,0035	0,0150	0,0150	0,0035	0,0035	0,0035	0,0037
Max linear excursion	Xmax	±mm	1,0	1,0	4,0	2,5	1,0	2,5	2,5	2,5
Linear displacement volume	Vd	10 ⁻³ .m ³	0,0123	0,0123	0,0492	0,0308	0,0123	0,0323	0,0323	0,0323
Reference efficiency	η ₀	%	1,9	2,0	0,83	1,0	2,2	1,4	1,7	1,3
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	0,41	0,36	0,84	0,70	0,38	0,63	0,42	0,65

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	90	125	90	65	90	90	125	90
Max.excursion before damage	Xdam	±mm	4	4	8	8	4	4	4	4
Ambient operating temperature	Ta	°C	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50
Storage temperature	-	°C	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70
Environmental withstanding *	-	-	Outdoor ✦	Outdoor ✦	Outdoor ✦	Outdoor ✦	Outdoor ✦	Outdoor ✦	Outdoor ✦	Outdoor ✦

APPLICATION INFORMATION

Air volume occupied by the driver	-	10 ⁻³ .m ³	0,64	0,64	0,64	0,64	0,64	0,64	0,64	0,64
Speaker net mass		kg	2,60	2,60	2,60	2,60	2,60	2,60	2,60	2,60
Recommended reflex box	Vb/Fb	Lts/Hz	3 L sealed	3 L sealed	8L / 75Hz	6L / 80Hz	3 L sealed	3 L sealed	3 L sealed	3 L sealed

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

upgrade : 20/07/2000

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