



<h1>B30</h1>	<h2>BASS - 30cm / 12"</h2>										
	Speaker type	B302-6	B302-8	B302-8	B302-8	B303-8	B303-8	B303-8	B303-8	B303-4	B303-8
Reference	4500	4510	4530	4530P	4010	4020	4030	4040	4090	4130	

TYPICAL CHARACTERISTICS

Rated impedance	Z	Ω	6	8	8	8	8	8	8	8	4	8
Half space sensitivity (1W@1m)	-	dB SPL	96	96	94	94	97	91	95	98	97	98
Usable freq. range	-	Hz	40-2000	40-2000	40-2000	40-2000	40-2000	30-3000	40-3000	50-2500	40-3000	50-2500
Power handling capacity (AES)	-	W	300	300	300	300	500	450	450	400	500	400
Max Sound Pressure Level	SPLmax	dB SPL	117	117	115	115	120	114	118	120	120	120
Min. impedance modulus	Zmin	Ω @Hz	4.8@260	6.2@250	6.2@250	6.2@250	7.1@260	6.9@250	6.7@260	6.0@260	3.7@250	6.0@260
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0,81	1,08	1,06	1,06	1,54	1,28	1,24	1,13	0,79	1,13
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0,35	0,46	0,46	0,46	0,70	0,58	0,57	0,54	0,37	0,54
BL product	BL	N/A	14,2	15,1	15,1	15,1	23,4	20,8	20,8	20,6	16,4	20,6
Moving mass	Mms	kg	0,055	0,054	0,061	0,061	0,069	0,130	0,071	0,06	0,073	0,064

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	Hz	42(±5)	42(±5)	37(±5)	42(±5)	42(±5)	29(±4)	40(±5)	45(±6)	39(±5)	42(±5)
DC Resistance	Re	Ω	4.2(±0.4)	5.5(±0.5)	5.5(±0.5)	5.5(±0.5)	5.6(±0.5)	5.6(±0.5)	5.6(±0.5)	5.5(±0.5)	3.0(±0.3)	5.5(±0.5)
Mechanical quality factor	Qms	1	3,2	3,2	4,1	4,6	3,8	8,3	3,7	3,8	3,7	3,8
Electrical quality factor	Qes	1	0,30	0,34	0,34	0,39	0,19	0,31	0,23	0,22	0,2	0,22
Total quality factor	Qts	1	0,28	0,31	0,32	0,36	0,18	0,3	0,22	0,21	0,19	0,21
Mechanical suspension compliance	Cms	10 ⁻⁶ .m/N	265	265	305	235	210	225	225	210	225	225
Effective piston area	Sd	m ²	0,0539	0,0539	0,054	0,053	0,054	0,054	0,054	0,054	0,054	0,054
Equivalent Cas air load	Vas	m ³	0,108	0,108	0,124	0,093	0,085	0,092	0,092	0,085	0,092	0,092
Max linear excursion	Xmax	±mm	6,0	6,0	6,0	6,0	7,0	7,0	7,0	5,5	7,0	5,5
Linear displacement volume	Vd	10 ⁻³ .m ³	0,323	0,323	0,324	0,318	0,378	0,378	0,378	0,297	0,378	0,297
Reference efficiency	η_0	%	2,5	2,3	1,8	1,7	3,2	0,7	2,4	3,4	2,7	3,0
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	8	10	12	12	2,7	8,3	4,3	3,7	3,3	3,9

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	80	100	100	100	125	120	120	110	90	110
Max.excursion before damage	Xdam	±mm	12	12	12	14	12	12	12	12	12	12
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	-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	-20 to +70	-20 to +70
Environmental withstanding *	-	-	Outdoor	Outdoor	Outdoor +	Outdoor +	Outdoor	Outdoor +	Outdoor +	Outdoor +	Outdoor	tropical Outdoor +

APPLICATION INFORMATION

Air volume occupied by the driver	-	10 ⁻³ .m ³	2,1	2,1	2,1	2,1	2,6	2,6	2,6	2,6	2,6	2,6
Speaker net mass	-	kg	6,4	6,4	6,4	6,4	8,7	8,7	8,7	8,7	8,7	8,7
Recommended reflex box	Vb/Fb	Lts/Hz	45L / 52Hz	45L / 48Hz	60L / 39Hz	70L / 45Hz	35L / 55Hz	65L / 33Hz	50L / 48Hz	50L / 53Hz	45L/48Hz	50L / 53Hz

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

upgrade : 03/09/2001

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