

BX SERIES												
MECHANICAL SPECIFICATIONS		BX10-3060	BX12-3075	BX12-4085	BX12-4085HS	BX15-3075	BX15-4085	BX15-4085HS	BX18-3075	BX18-3085	BX18-4080	BX18-4085
	Nominal Impedance (Ohm)	8	8	8	8	8	8	8	8	8	8	8
	Nominal Diameter (ins)	10	12	12	12	15	15	15	18	18	18	18
	Peak Excursion, Xmax (mm)	2	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3	3.25
	Magnet Weight (oz)	50	86	126	126	86	126	126	86	126	110	126
	Voicecoil Diameter (ins)	3	3	4	4	3	4	4	3	3	4	4
	Chassis Type	Cast	Cast	Cast	Cast	Cast	Cast	Cast	Cast	Cast	Cast	Cast
	Thermal Power (Watt)*	300	300	600	400	300	600	400	300	400	600	600
	Frequency Response (Hz)	60-3k	45-3k	45-3k	45-3k	35-1k	35-2k	35-3k	30-500	30-500	30-500	30-300
ELECTROACOUSTIC SPECIFICATIONS	Total Dynamic Mass, M _{mt} (g)	35.8	55.3	89.6	63.6	87.2	117.0	80.9	132.7	122.9	194.0	150.8
	Total Q, Q _{ts}	0.430	0.176	0.189	0.253	0.184	0.240	0.270	0.209	0.206	0.3075	0.200
	Mechanical Q, Q _{ms}	6.709	9.231	9.046	6.429	7.792	8.055	5.643	7.974	8.266	4.414	6.635
	Electrical Q, Q _{es}	0.460	0.179	0.193	0.264	0.189	0.247	0.284	0.214	0.211	0.3306	0.206
	Sensitivity (dB 1W@1m)	95	98	96	100	99	97	100	99	100	97	99
	Resonance, f _s (Hz)	59	45	45	48	35	38	36	30	31	32	30
	Resistance, R _e (Ohm)	5.92	5.35	5.75	5.51	5.44	5.84	5.51	5.46	5.62	6.1	5.84
	Piston Diameter, D (m)	0.21	0.26	0.26	0.26	0.33	0.33	0.33	0.38	0.38	0.38	0.38
	Equivalent Volume, V _{as} (ltr)	34.5	89.5	55.4	68.3	243.5	154.1	247.6	397.4	384.8	241.7	337.8
	BL Product, Bl (Tm)	13.1	21.6	27.4	21.1	23.5	28.0	18.9	25.0	25.3	26.64	28.4
	Compliance, C _{ms} (mm/N)	0.205	0.226	0.14	0.1726	0.237	0.15	0.241	0.22	0.213	0.13	0.187
	Mechanical Resistance, R _{ms} (kg/s)	1.97	1.7	2.8	2.99	2.46	3.47	3.25	3.08	2.91	8.72	4.28
SUGGESTED ALIGNMENT	Box Volume, V _b (ltr)	30	40	20	20	60	70	90	100	100	100	100
	Tuning Frequency, F _b (Hz)	50	35	40	60	35	35	35	42	38	30	38
	Port Diameter, V _d (mm)	76	76	64	76	100	100	100	152	152	100	152
	Port Length, V _l (mm)	127	224	256	134	249	244	142	199	268	190	268
MOUNTING INFORMATION	Overall Diameter (mm)	260	315	315	315	395	395	395	456	456	456	456
	Baffle Cut-Out Diameter (mm)	233	278	278	278	351	351	351	417	417	417	417
	Fixing Hole P. C. D. (mm)	244	294	294	294	370	370	370	434	434	434	434
	No. of Fixing Holes	4	8	8	8	8	8	8	8	8	8	8

• Final Power rating is the responsibility of the customer as it will vary dependent on application