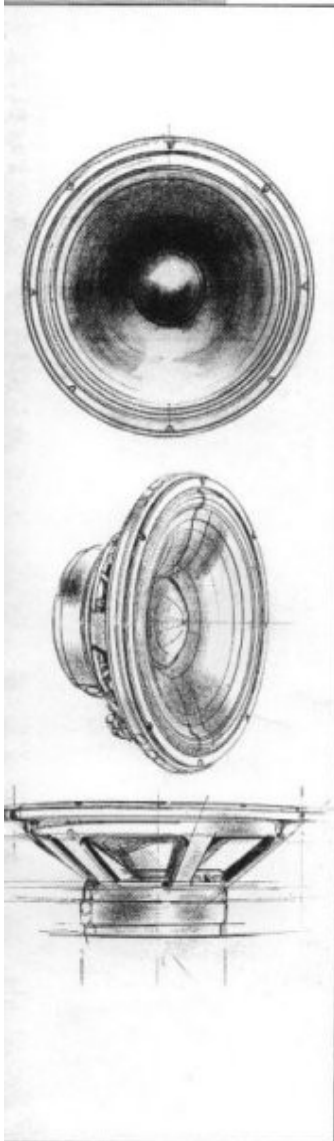


# Technical Specification

SB75-375

SB100-375



SPECIFICATION	MODEL	SB75-375		SB100-375		UNITS
		TYPE	SC	LC	SC	
Sensitivity		91	91	91	91	dB@1w@1m
Nominal Power Rating		75	75	100	100	Watts
Maximum Input Power		150	150	200	200	Watts
Maximum Programme Power		300	300	400	400	Watts
Usable Frequency Range		Up to 3k	Up to 3k	Up to 3k	Up to 3k	Hz
Recommended Crossover Frequencies in System		Up to 1k	Up to 1k	Up to 1k	Up to 1k	Hz
Nominal Free Air Resonance - fs		21	23	30	27	Hz
Mechanical Damping - Qms		2.1	1.4	2.1	1.6	
Electromagnetic Damping - Qes		0.49	0.25	0.38	0.23	
Total Damping - Qrs		0.40	0.21	0.32	0.20	
Equivalent Compliance Volume - Vas		700	600	380	420	Litres
Suspension Compliance - Cms		6.1	5.1	2.7	3.1	$\times 10^{-4}$ m/N
Effective Moving Mass - Mms		78	78	85	95	gms
Mechanical Resistance - Rms		6.0	12	9.1	16	N.s/m <sup>5</sup>
Voice Coil Diameter		75	75	100	100	mm
Voice Coil Length		10	16	8	18	mm
Voice Coil Nominal Resistance		5.4	5.4	5.4	5.4	Ohms
Voice Coil Nominal Impedance		8	8	8	8	Ohms
Voice Coil Maximum Travel Peak to Peak		25	25	25	25	mm
Magnet Total Flux - $\phi$		4.5	2.8	5.0	2.8	$\times 10^{-3}$ Wb
Magnet Flux Density - B		0.95	1.2	1.0	1.25	Tesla
Magnet BI Product - BI		11	17	15	21	N/A
Magnet Gap Length		16	10	16	7.25	mm
Magnet Gap Volume		9.4	7.5	13	7.7	$\times 10^{-6}$ m <sup>3</sup>
Diaphragm Effective Area - So		900	900	980	980	cm <sup>2</sup>
Diaphragm Surround Type		Foam	Foam	Foam	Foam	
Overall Diameter		390	390	396	396	mm
Overall Depth		160	154	150	144	mm
Rear Mount Baffle Hole Diameter		350	350	360	360	mm
Front Mount Baffle Hole Diameter		348	348	355	355	mm
Front Mount Rebate Depth		15	15	15	15	mm
Mounting Hole P.C.D.		370	370	370	370	mm
Mounting Hole - Size x Qty		M6 x 8	M6 x 8	M6 x 8	M6 x 8	
Shipping Weight		14	13	18	16.5	kg
Pack Size		46x46x23	46x46x23	46x46x23	46x46x23	cm