



Parameters for BlackAir MK II Subwoofers

	BlackAir 10	BlackAir 12	BlackAir 15	
RMS power	400	500	600	
Peak power	1200	1500	1800	
Min, Input wattage	200	250	300	
Diameter in inches	10"	12"	15"	
Z- Nominal Impedance in Ohms	single 4	single 4	single 4	
Revc = DC voice coil resistance in Ohms	3.6	3.6	3.6	
Fo = Free air resonance frequency in Hz	36.281	30.761	26.059	
Sd = Piston area in square meters	45.239	53.000	85.000	
Vas = Equivalent acoustic volume in cubic litres	36.207	45.428	105.826	
Cms = Mechanical suspension compliance	90.179	113.889	91.453	
Mmd = Diaphragm mass in grams	125.606	188.115	292.303	
Mms = Mechanical mass of cone and free air load in grams	131.139	195.131	306.552	
BL = The magnetic strength of the motor structure	14.076	13.930	14.158	
Qms = Mechanical Q factor of driver	2.854	2.153	2.959	
Qes = Electrical Q factor of driver	0.593	0.668	0.580	
Qtc = the system's Q at resonance (Fc)	0.518	0.506	0.501	
n0 = The reference efficiency of the system in %	0.363	0.220	0.237	
SPL = Speaker's SPL 1 watt at 1meter in dB:	85.613	86.445	88.768	
Voice Coil Diameter in inches	2.5	2.5	2.5	
	Mounting Depth in mm	128	141	168
	Mounting Diameter in mm	240	285	355
	Magnet weight in oz	40	50	65

