

Heat losses are the thermal emissions from an amplifier while it is operating. It comes from dissipated waste power—i.e., real AC power in minus audio power out. Measurements are provided for various loads at idle, 1/8 of average full power, 1/3 of average full power, and full power, with all channels driven simultaneously. For typical usage, use the idle and 1/8 power figures. Where an asterisk (*) appears, the data was not available at press time. The designation "na" means not applicable to the particular amplifier model and "nr" means the model is not rated for the particular load. This data is measured from representative samples; due to production tolerances, actual heat emissions may vary slightly from one unit to another. Bridged mono into 8 ohms is equivalent to 4 ohms per channel; into 4 ohms is equivalent to 2 ohms per channel.

Model	Idle		1/8 Power								1/3 Power								Full Power								
	Thermal loss at idle or with very low signal level. Not all models		Thermal loss at 1/8 of full power is measured with pink noise. It approximates operating with music or voice with light clipping and represents the amplifier's typical "clean" maximum level, without audible clipping. Use these figures for typical maximum level								Thermal loss at 1/3 of full power is measured with pink noise. It approximates operating with music or voice with very heavy clipping and a very compressed dynamic range.								Thermal loss at full power is measured with a 1 kHz sine wave. However, it does not represent any real-world operating condition.								
	Load per channel ->		8Ω		4Ω		2Ω		25V-70V-100V		8Ω		4Ω		2Ω		25V-70V-100V		8Ω		4Ω		2Ω		25V-70V-		
	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	BTU/hr	kcal/hr	
Current models																											
CX302	109	27	567	143	993	250	1741	439	na	na	724	182	1246	314	2253	568	na	na	717	181	1296	327	2423	611	na	na	
CX502	109	27	928	234	1536	387	2560	645	na	na	1113	280	1911	482	3314	835	na	na	1031	260	2014	508	4096	1032	na	na	
CX702	143	36	676	170	1311	330	2253	568	na	na	1085	273	1911	482	3191	804	na	na	1246	314	2321	585	4608	1161	na	na	
CX902	171	43	901	227	1529	385	2986	752	na	na	1410	355	2560	645	4266	1075	na	na	1707	430	3072	774	5836	1471	na	na	
CX1102	195	49	1195	301	2133	538	3976	1002	na	na	1765	445	2331	587	4584	1155	na	na	2048	516	3891	981	8533	2150	na	na	
CX302V	201	51	nr	nr	nr	nr	nr	nr	1123	283	nr	nr	nr	nr	nr	nr	1294	326	nr	nr	nr	nr	nr	nr	1079	272	
CX602V	164	41	1785	450	nr	nr	nr	nr	1785	450	2263	570	nr	nr	nr	nr	2263	570	2055	518	nr	nr	nr	nr	2055	518	
CX1202V	201	51	1222	308	2177	549	nr	nr	2177	549	1468	370	2604	656	nr	nr	2604	656	1945	490	4232	1066	nr	nr	4232	1066	
CX254	116	29	1137	287	1809	456	3085	777	na	na	1451	366	2379	600	4437	1118	na	na	1341	338	2236	563	5266	1327	na	na	
CX404	119	30	1570	396	2560	645	nr	nr	na	na	2143	540	3369	849	nr	nr	na	na	1973	497	4061	1023	nr	nr	na	na	
CX204V	140	35	nr	nr	nr	nr	nr	nr	1741	439	nr	nr	nr	nr	nr	nr	2321	585	nr	nr	nr	nr	nr	nr	1980	499	
CX168	102	26	1126	284	2014	508	nr	nr	na	na	1526	385	2512	633	nr	nr	na	na	1491	376	3328	839	nr	nr	na	na	
CX108V	89	22	nr	nr	nr	nr	nr	nr	1150	290	nr	nr	nr	nr	nr	nr	1601	403	nr	nr	nr	nr	nr	nr	1160	292	