

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 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 rate representative samples; due to production tolerances, actual heat emissions may vary slightly from one unit to another.

Model	Idle		1/8 Power								1/3 Power								Full Power							
	Thermal loss at idle or with very low signal level. Not all models were tested.		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 operation.								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-100V	
	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 (continued)																										
RMX850	85	21	577	145	1068	269	1669	421			696	175	1355	341	2157	544			799	201	1509	380	2853	719		
RMX1450	78	20	887	224	1454	366	2597	654			1061	267	1969	496	3734	941			1007	254	1870	471	3734	941		
RMX1850HD	280	71	703	177	1072	270	1775	447			1079	272	2017	508	3242	817			1242	313	2321	585	4608	1161		
RMX2450	273	69	819	206	1365	344	2218	559			1758	443	2881	726	4997	1259			1587	400	3294	830	6314	1591		
RMX4050HD	273	69	1031	260	1672	421	2901	731			1584	399	3331	839	5352	1349			2048	516	4754	1198	9670	2437		
RMX5050	273	69	1317	332	2485	626	3089	778			2184	550	3983	1004	5983	1508			2823	711	5529	1393	12082	3045		
Discontinued models																										
PL 1.0	164	41	730	184	1055	266	1683	424			932	235	1297	327	2273	573			761	192	1444	364	2788	703		
PL 1.0HV	212	53	993	250	1522	384	nr	nr			1106	279	1898	478	nr	nr			1072	270	2065	520	nr	nr		
PL 1.4	215	54	645	163	993	250	1580	398			1041	262	1580	398	2560	645			959	242	1812	457	4126	1040		
PL 1.5X	338	85	594	150	1024	258	1744	439			952	240	1532	386	2696	679			1014	256	1962	494	3645	919		
PL 1.6HVX	369	93	990	249	1707	430	nr	nr			1621	408	2474	623	nr	nr			1553	391	3266	823	nr	nr		
PL 1.8	171	43	840	212	1249	315	1966	495			1676	422	2345	591	3563	898			1375	347	2509	632	4870	1227		
PL 2.0HV	498	125	1171	295	1816	458	nr	nr			2157	544	2928	738	nr	nr			2137	539	4314	1087	nr	nr		
PL 2.4MB	143	36	782	197	1188	299	2000	504			1130	285	1727	435	3457	871			1707	430	2710	683	5137	1295		
PL 3.4	188	47	1075	271	1925	485	2935	740			1375	347	2734	689	4809	1212			1986	500	3771	950	7765	1957		
PL 3.8X	188	47	1201	303	1812	457	2982	751			1968	496	2899	731	5239	1320			2048	516	4096	1032	8191	2064		
PL 4.0	205	52	1792	452	2645	667	3713	936			2891	729	3983	1004	6358	1602			3106	783	5939	1497	10649	2684		
PL 6.0II	815	205	1519	383	2048	516	3942	993			2331	587	3389	854	6826	1720			2765	697	6007	1514	11092	2795		
PL 6.0PFC	682	172	2048	516	2730	688	4096	1032			3072	774	5120	1290	7850	1978			4437	1118	8874	2236	11092	2795		
PL 9.0PFC	758	191	2348	592	3338	841	5038	1270			3973	1001	6147	1549	9782	2465			5604	1412	11208	2824	17399	4385		
PLX1202	109	27	567	143	993	250	1741	439			724	182	1246	314	2253	568			717	181	1297	327	2423	611		
PLX1602	109	27	928	234	1536	387	2560	645			1113	280	1911	482	3314	835			1031	260	2014	508	4096	1032		
PLX2402	143	36	676	170	1311	330	2253	568			1085	273	1911	482	3191	804			1246	314	2321	585	4608	1161		
PLX3002	171	43	901	227	1529	385	2986	752			1410	355	2560	645	4266	1075			1707	430	3072	774	5836	1471		
PLX3402	195	49	1195	301	2133	538	3976	1002			1765	445	2331	587	4584	1155			2048	516	3891	981	8533	2150		
USA 400	*	*	353	89	604	152	951	240			426	107	774	195	1256	317			448	113	924	233	1724	434		
USA 900	*	*	763	192	755	190	2093	527			921	232	964	243	2763	696			968	244	1155	291	3792	956		
USA 1310	*	*	1130	285	1978	498	3805	959			1364	344	2532	638	5023	1266			1433	361	3027	763	6894	1737		
1200	*	*	410	103	614	155	1024	258			512	129	768	194	1280	323			526	133	812	205	1195	301		
1400	*	*	763	192	1359	342	2093	527			921	232	438	110	2763	696			968	244	2080	524	3792	956		
1700	*	*	1331	335	2048	516	4096	1032			1664	419	2560	645	5120	1290			1553	391	2389	602	4778	1204		
MX700	*	*	424	107	680	171	1332	336			511	129	869	219	1758	443			538	136	1040	262	2413	608		
MX1500a	*	*	687	173	943	238	1529	385			1042	263	1615	407	2983	752			1508	380	2580	650	5396	1360		
MX2000a	*	*	937	236	1287	324	2167	546			1463	369	2290	577	3841	968			2027	511	3416	861	4928	1242		
MX3000a	*	*	1863	469	3184	802	4751	1197			2764	697	6302	1588	9674	2438			1857	468	4390	1106	8737	2202		
SRA1222	109	27	669	169	1116	281	1877	473			860	217	1621	408	2150	542			788	199	1406	354	2389	602		
SRA2422	143	36	768	194	1256	317	2048	516			1031	260	1700	428	2901	731			1065	268	2195	553	4669	1177		
SRA3622	195	49	1229	310	2133	538	3488	879			1898	478	3184	802	4485	1130			2034	513	4164	1049	8225	2073		
EX800	*	*	717	181	1126	284	1638	413			896	226	1408	355	2048	516			836	211	1314	331	1911	482		
EX1250	*	*	469	118	683	172	1024	258			845	213	1229	310	1843	464			1032	260	1502	379	2253	568		
EX1600	*	*	683	172	1024	258	1365	344			1229	310	1843	464	2457	619			1502	379	2253	568	3003	757		
EX2500	*	*	853	215	1280	323	1707	430			1536	387	2304	581	3072	774			1877	473	2816	710	3754	946		
EX4000	*	*	1092	275	1638	413	2184	550			2048	516	3072	774	4096	1032			2730	688	4096	1032	5461	1376		