



RMS AMPLIFICATION CURRENT DRAW AND THERMAL HEAT GENERATION TABLES

230V AC

Model	Idle				1/8 Power PN											
					8 ohm				4 ohm				2 ohm			
	BTU/h	kCal/h	W line	A line	BTU/h	kCal/h	W line	A line	BTU/h	kCal/h	W line	A line	BTU/h	kCal/h	W line	A line
RMS-425Ki	769	194	225	1.4	328	83	408	1.9	328	83	408	2.1	164	41	204	0.9
RMS-45Ki	769	194	225	1.4	655	165	817	3.7	655	165	817	3.7	655	165	817	3.7
RMS-10K	769	194	225	1.4	655	165	817	3.7	1310	330	1634	7.3	1310	330	1634	7.3
RMS-14K	769	194	225	1.4	943	238	1176	5.4	1834	462	2288	10.0	1834	462	2288	10.0
RMS-20K	769	194	225	1.4	1310	330	1634	7.5	2620	660	3268	14.0	2620	660	3268	14.0

120V AC

Model	Idle				1/8 Power PN											
					8 ohm				4 ohm				2 ohm			
	BTU/h	kCal/h	W line	A line	BTU/h	kCal/h	W line	A line	BTU/h	kCal/h	W line	A line	BTU/h	kCal/h	W line	A line
RMS-425Ki	774	195	227	2.7	353	89	783	3.6	353	89	783	4.0	176	44	391	1.8
RMS-45Ki	774	195	227	2.7	706	178	1566	7.2	706	178	1566	7.2	706	178	1566	7.2
RMS-10K	774	195	227	2.7	706	178	1566	7.2	1412	356	3132	14.0	1412	356	3132	14.0
RMS-14K	774	195	227	2.7	1016	256	2255	10.3	1976	498	4385	19.2	1976	498	4385	19.2
RMS-20K	774	195	227	2.7	1412	356	3132	14.3	2823	712	6265	26.8	2823	712	6265	26.8

Notes:

These are measured consumptions, calculated using a 12dB CF program with ohmic load. In the real world it is possible to occasionally have a crest factor lower than this, though impedances will always be higher than the tested values in those situations.

Thermal dissipation for 1/4 power at 8ohm can be closely approximated using the data of 1/8 power at 4ohm.

Some competitors publish current consumption data using "1/8 Maximum Output Power into a typical 4 Ω loudspeaker", meaning an inductive dummy load with a minimum resistance of 6ohm and not an actual measured load impedance. A typical 4 ohm loudspeaker load will often measure 6 ohms during high output operation, and in the case of subwoofer loudspeaker can reach even near double the rated impedance in the limiting case.