



## **CX-Q Series 4-Channel Amplifier Heat Loss**

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, all mute, standby, 1/8 of average full power, and 1/3 of average 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 per channel;

NOTE: Power dissipation in CX-Q amplifiers varies only minimally among different mains voltages. The data presented is representative of all operating mains voltages from 100 to 230 VAC.

	la	lle	М	ute	Star	ndby	1/8 Power										1/3 Power									
	Thermal loss at		Thermal loss with		Thermal loss with		Thermal loss at 1/8 of full power is measured with a pink noise signal. It approximates operating									Thermal loss at 1/3 of full power is measured with a 1 kHz sine wave signal. It approximates										
	idle or with very		all channels		the ampl	ifier in	with music or voice with light clipping and represents the amplifier's typical "clean" maximum									operating with music or voice with very heavy clipping and a very compressed dynamic range.										
	low signa	al level.	muted.		standby.		level, without audible clipping. Use these figures for typical maximum level operation.																			
					Load per channel ->		70V		100V		8Ω		4Ω		2Ω		70V		100V		8Ω		4Ω		2Ω	
Model	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
CX-Q 2K4, CX-Qn 2K4	345	87	106	27	150	38	611	154	618	156	614	155	539	136	843	212	768	194	683	172	860	217	1079	272	1382	348
CX-Q 4K4, CX-Qn 4K4	348	88	109	27	154	39	679	171	669	169	679	171	788	199	983	248	993	250	874	220	993	250	1195	301	1614	407
CX-Q 8K4, CX-Qn 8K4	590	149	123	31	270	68	1304	329	1263	318	1263	318	1304	329	1611	406	2126	536	1819	458	1819	458	2126	536	2826	712