CXD Series 8-Channel Amplifier Heat Loss—100 V

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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.

	Idle Thermal loss at idle or with very low signal level.		***Standby*** Thermal loss with the amplifier in standby.		***1/8 Power*** Thermal loss at 1/8 of full power is measured with a 1 kHz sine wave signal. 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.								***1/3 Power*** Thermal loss at 1/3 of full power is measured with a 1 kHz sine wave signal. It approximates operating with music or voice with very heavy clipping and a very compressed dynamic range.								***Full Power*** 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**		**70V - 100V**		**8Ω**		**4Ω**		**2Ω**		**70V - 100V**		**8Ω**		**4Ω**		**2Ω**		**70V - 100V**	
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**	**BTU/hr**	**kcal/hr**
Current models																												
CXD8.4Q, CXD8.4Qn	543	137	163	41	971	245	1132	285	1399	353	1132	285	1447	365	1802	454	2297	579	1802	454	2526	637	3768	950	5795	1460	3768	950
CXD8.8Q, CXD8.8Qn	631	159	184	46	1273	321	1277	322	1457	367	1277	322	1806	455	2191	552	2451	618	2191	552	6986	1760	8065	2032	4925	1241	8065	2032