

CX-Q(n) 8-Channel Amplifier Current Draw—120 VAC

January 2020

"Current draw" is the amount of AC current an amplifier demands while it is operating. Measurements are provided for various loads at idle, mute-all, standby, 1/8 of average full power, and 1/3 of average full power, with all channels driven simultaneously. The figures shown on this sheet are for 120 VAC usage. For typical usage, use the idle and 1/8 nower figures.

Where an asterisk (*) appears, the data was not available at press time. The designations "na" and "nr" respectively mean "not applicable" to the particular amplifier model and "not rated" for the particular load impedance. Bridged mono into 8 ohms is equivalent to 4 ohms per channel; into 4 ohms is equivalent to 2 ohms per channel.

the idle and 1/8 power figures	i.			ohms per channel.													
	Standby				1/8 Power	•		1/3 Power									
	Current draw at 1/8 of full power is measured with a pink noise							Current draw at 1/3 of full power is measured with a 1 kHz sine									
	draw at idle	draw whan	draw when	signal. It approximates operating with music or voice with light							wave signal. It approximates operating with music or voice with						
	or with very all channels the amp is in clipping and represents the amplifier's typical "clean" maximur							n" maximum		very heavy clipping and a very compressed dynamic range. This							
	low signal	are muted.	standby.		level, without audible clipping. Use these figures for typical						data describes the maximum operating parameters of the						
	level.				maximum level operation.						amplifier under working conditions reproducing music or voice.						
											Using the amplifier under this condition for prolonged periods of						
											time, though,	, is not recon	nmended.				
_	_			1 .	00	40	20	701/	4001/		00	40	20	701/	4001/		
		LO	ad per channe) ->	8Ω	4Ω	2Ω	70V	100V		8Ω	4Ω	2Ω	70V	100V		
Model		Amperes					Amperes						Amperes				
CX-4k8Q, CX-4k8Qn	1.6	0.9	0.8		4.5	5.2	6.2	4.2	4.0		9.6	10.5	13.1	9.7	9.1		
CX-8k8Q, CX-8k8Qn	1.7	1.0	0.9		8.6	10.7	6.2	8.8	8.6		18.2	22.4	13.5	18.2	17.9		

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CX-Q(n) 8-Channel Amplifier Current Draw—230 VAC

January 2020

"Current draw" is the amount of AC current an amplifier demands while it is operating. Measurements are provided for various loads at idle, mute-all, standby, 1/8 of average full power, and 1/3 of average full power, with all channels driven simultaneously. The figures shown on this sheet are for 230 VAC usage. For typical usage, use the idle and 1/8 power figures.

Where an asterisk (*) appears, the data was not available at press time. The designations "na" and "nr" respectively mean "not applicable" to the particular amplifier model and "not rated" for the particular load impedance. Bridged mono into 8 ohms is equivalent to 4 ohms per channel; into 4 ohms is equivalent to 2 ohms per channel.

the idle and 1/8 power figures.				ohms per channel.												
				1/8 Power			1/3 Power									
	Current Current draw at idle draw whan draw when or with very all channels the amp is in low signal are muted. standby. level. Current draw at 1/8 of full power is measured with a p signal. It approximates operating with music or voice w clipping and represents the amplifier's typical "clean" r level, without audible clipping. Use these figures for ty maximum level operation.							ce with light n" maximum		Current draw 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. This data describes the maximum operating parameters of the amplifier under working conditions reproducing music or voice. Using the amplifier under this condition for prolonged periods of time, though, is not recommended.						
		Lo	ad per channe	:l ->	8Ω	4Ω	2Ω	70V	100V		8Ω	4Ω	2Ω	70 V	100V	
Model		Amperes					Amperes						Amperes			
CX-4k8Q, CX-4k8Qn	0.9	0.7	0.5		2.2	2.5	3.2	2.2	2.1		4.5	5.0	6.0	4.8	4.5	
CX-8k8Q, CX-8k8Qn	1.0	0.7	0.6		4.5	5.1	3.2	4.6	4.5		9.1	9.9	6.5	9.2	9.2	

Current draw—230 VAC Page 2 of 3



CX-Q(n) 8-Channel Amplifier Current Draw—100 VAC

January 2020

"Current draw" is the amount of AC current an amplifier demands while it is operating. Measurements are provided for various loads at idle, mute-all, standby, 1/8 of average full power, and 1/3 of average full power, with all channels driven simultaneously. The figures shown on this sheet are for 100 VAC usage. For typical usage, use the idle and 1/8 power figures.

Where an asterisk (*) appears, the data was not available at press time. The designations "na" and "nr" respectively mean "not applicable" to the particular amplifier model and "not rated" for the particular load impedance. Bridged mono into 8 ohms is equivalent to 4 ohms per channel; into 4 ohms is equivalent to 2 ohms per channel.

use the idle and 1/8 power figures.					ohms per channel.												
				1/8 Power	•		1/3 Power										
	Current draw at idle or with very low signal level.		Current draw when the amp is in standby.		signal. It apports of the signal is apported by the signal is a signal in the signal in the signal is a signal in the signal in the signal is a signal in the signal is a signal in the signal in the signal is a signal in the signal in the signal in the signal is a signal in the signal in	roximates op represents th audible clip	erating with e amplifier's ping. Use th	easured with a music or voice typical "clean ese figures for	with light maximum		Current draw 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. This data describes the maximum operating parameters of the amplifier under working conditions reproducing music or voice. Using the amplifier under this condition for prolonged periods of time, though, is not recommended.						
		Lo	ad per chann	el ->	8Ω	4Ω	2Ω	70V	100V		8Ω	4Ω	2Ω	70V	100V		
Model		Amperes			Amperes					Amperes							
CX-4k8Q, CX-4k8Qn	1.9	1.1	1.0		5.4	6.2	7.4	5.0	4.8		11.5	12.6	15.7	11.6	10.9		
CX-8k8Q, CX-8k8Qn	2.1	1.1	1.0		10.4	12.8	7.4	10.6	10.3		21.8	26.9	16.2	21.9	21.5		

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