

AX6220Z/AX6240Z

Energy-Efficient, DSP-Powered and Ethernet/USB-Controlled 1000/900-Watt 70/100 V High-Impedance Power Amplifier

Technical Specifications

Power Output HI-Z	AX6220Z	AX6240Z
Peak, 1% THD, 1 kHz sine wave		
Stereo (both channels driven)		
• 70 V	500 W	900 W
• 100 V	700 W	1300 W
RMS, 1% THD, 1 kHz sine wave		
Stereo (both channels driven)		
• 70 V	350 W	700 W
• 100 V	480 W	1000 W
Audio Inputs / Outputs		
• Line level inputs	2 x 3-pin Euroblock and XLR / TRS combo	
• PC control	Type B USB on front or IEEE 802.3 Ethernet network connector on back panel	
• Input impedance	10 k Ω unbalanced, 20 k Ω balanced	
• Input sensitivity	1 V @ 20 Ω	
• Input clipping	11 V _{rms} (+23 dBu)	
• Overall system gain @ 10 Ω	37 dB (70 V) / 40 dB (100 V)	
• Outputs	4-position barrier strip	
• Output circuit type	Class D	
• Minimum load impedance	14 Ω (70 V) / 20 Ω (100 V)	
System Information		
• Frequency response	30 Hz – 20 kHz (-0.3 / -2 dB) (70 V) 30 Hz – 20 kHz (-0.3 / -1 dB) (100 V)	
• THD+N	< 0.25% @ 1 W, 1 kHz dB _r into 14 Ω load	
• Signal-to-noise ratio	87 dB (@ input 2 dBu) 93 dB (@ +22 dBu)	
• Damping factor	> 200 @ 62 Ω	
• Crosstalk	> 68 dB below rated power 1 kHz	
• Indicators	Power indicator LED ring illumination (yellow) Overload/Protection LED ring (red) LCD display with VU meters, system fault, overheating, overcurrent / overdrive indicators	
• Operating temperature	14° F to 104° F (-10° C to +40° C)	
• Cooling method	Automatic variable speed fan	

Digital Signal Processing (DSP)

- Display LCD 128 x 32, amber backlit
- Digital delay function (per channel) 0 – 300 ms
- Digital crossover function 3 filter types, up to 48 dB/octave
- Digital EQ function 8-band parametric, (per channel)
2-band dynamic equalizer
- Digital dynamics function (per channel) Zero attack limiter
- Presets 20 total presets, 19 user-definable

Power Supply

- Power consumption @ 1/8 rated power 200 W
- Power efficiency 84 %
- AC power source 100~120 V AC 50/60 Hz

220~240 V AC 50/60 Hz

Dimensions / Weight

- Dimensions (H x W x D) 3.5 x 17 x 16" / 88 x 432 x 406 mm
- Weight 21.4 lbs / 9.7 kg

Materials

- Case material Cold-rolled steel
- Face plate material Perforated steel
- Included accessories Rack mount brackets