

CHRISTIE CDA3

Mainstream cinema | Immersive auditoriums | Post production | Premium large format

Exceptionally powerful and efficient Class D amplification
for distortion-free signal reproduction

CHRISTIE
VIVE AUDIO



CLASS D AMPLIFICATION

Cinema's first highly efficient
and reliable amplifier

Key features:

- › **Versatile and reliable** – Designed for long-term continuous operation for a range of applications
- › **Easy to diagnose** – Active, signal present, DC protection, and thermal LED indicators
- › **Multi-mode functionality** – parallel/bridge/stereo mode switch with high current switch mode power supply
- › **Perfect match** – high current capability and fast transient response makes it ideal for all loudspeakers
- › **Powerfully efficient output** – high-power, low-heat, high stability even with low impedance loads



Specifications

Christie CDA3

Rated power	bridge 4 ohms	• 3150W @ 1kHz 1% T.H.D.
	bridge 8 ohms	• 1770W @ 1kHz 1% T.H.D.
	2 x 2 ohms	• 1575W per channel @ 1 kHz 1% T.H.D. both channels driven
	2 x 4 ohms	• 870W per channel @ 1 kHz at <0.1% T.H.D. both channels driven
	2 x 8 ohms	• 450W per channel @ 1 kHz at <0.1% T.H.D. both channels driven
	1 x 2 ohms	• 1710W @ 1kHz at <0.1% T.H.D.
	1 x 4 ohms	• 950W @ 1kHz at <0.1% T.H.D.
	1 x 8 ohms	• 475W @ 1kHz at <0.1% T.H.D.
Minimum load impedance	• 2 ohms	
Maximum RMS voltage swing	• 71V	
Frequency response	• 20Hz-60kHz; -0.2dB, -3dB @ 1W	
T.H.D.	2 x 2 ohms	• <0.1% @ 1400W per channel from 20Hz-4kHz, decreasing to 1200W @ 20kHz
	2 x 4 ohms	• <<0.1% @ 850W per channel from 20Hz-20kHz
	2 x 8 ohms	• <0.1% @ 435W per channel from 20Hz-20kHz
Input CMRR	• >-76dB @ 1kHz	
Voltage gain	• x75 (+37dB)	
Crossover	• 100Hz switchable 2nd order high pass and 3rd order low pass per channel	
Crosstalk	• >-76dB @ 1kHz at 100W power @ 4 ohms	
Hum and noise	• >-103dB, "A" weighted referenced to rated power @ 4 ohms	
Slew rate	• >12V/μs	
Damping factor (8 ohms)	• >255:1 @ 20Hz-1kHz @ 8 ohms	
Phase response	• +20 to -70° from 20Hz-20kHz	
Input sensitivity	• 0.785V ±3% for 1kHz 4 ohm rated power • 0.780V ±3% for 1kHz 2 ohm rated power	
Input impedance	• 15k ohms balanced • 7.5k ohms unbalanced	
Current draw	@ 1/8 power	• 960W@2ohms • 612W@4ohms • 396W@8ohms
	@ 1/3 power	• 2064W@2ohms • 1212W@4ohms • 739W@8ohms
Cooling	• Temperature dependent variable speed 80mm DC fan	
Controls	• 2 front panel attenuators • Crossover select switch for H.P.F, Normal and L.P.F. • Input mode switch for Stereo, Bridge and Parallel	
Indicator LEDs	• 2 DDT (ACL clip limiting) • 2 signal presence • 2 active status • 2 temp • 2 DC protect	
Protection	• Thermal • DC • Subsonic • Incorrect loads • Under and over voltage	
Connectors	inputs	• Neutrik Dual Combi 1/4" XLR
	outputs	• Three Neutrik Speakon connectors for two channels plus common bridge
Construction	• 18 ga. galvanized steel	
Dimensions	• (LxWxH) 10.5 x 19 x 3.5" (266 x 482 x 89mm) behind front panel + 0.6" for handle • 2 RU mounting	
Net weight	• 11.5lbs (5.21kg) ¹	
Gross weight	• 13.9lbs (6.30kg)	
Warranty	• Limited 5-year warranty	

Rated power readings made with BW: <10Hz-22kHz. All power measurements made at 120 VAC. 2 ohm power is time limited by circuit breaker. Input power requirements: 120 VAC, 60Hz, 5A.

¹ Net weight does not include power cord.

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For the most current specification information, please visit christiedigital.com

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