

Christie Vive Audio

CDA Series

CDA3 3000W class D amplifier



Technical 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 @ 2 ohms • 612W @ 4 ohms • 396W @ 8 ohms
	@ 1/3 power	• 2064W @ 2 ohms • 1212W @ 4 ohms • 739W @ 8 ohms
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 3-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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