

Christie Vive Audio

CDA Series

CDA7.5 7500W class D amplifier



Technical Specifications		Christie CDA7.5
Rated power	2 x 2 ohms	• 3790W per channel @ 1kHz 1% T.H.D. both channels driven
	2 x 4 ohms	• 2030W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	2 x 8 ohms	• 1170W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	1 x 2 ohms	• 3900W @ 1kHz at <0.1% T.H.D.
	1 x 4 ohms	• 2400W @ 1kHz at <0.1% T.H.D.
	1 x 8 ohms	• 1300W @ 1kHz at <0.1% T.H.D.
Minimum load impedance		• 2 ohms
Maximum RMS voltage swing		• 124V
Frequency response		• 20Hz-30kHz; 0dB, -3dB @ 1W
T.H.D.	2 x 2 ohms	• <0.5% @ 3390W per channel from 20Hz-4kHz, decreasing to 3100W @ 20kHz
	2 x 4 ohms	• <0.1% @ 1850W per channel from 20Hz-20kHz
	2 x 8 ohms	• <0.1% @ 1170W per channel from 20Hz-10kHz, increasing to 1350W @ 20kHz
Input CMRR		• >-75dB @ 1kHz
Voltage gain		• x40 (+32dB)
Crossover		• 100Hz switchable 2nd order high pass and 3rd order low pass per channel
Crosstalk		• >-60dB @ 1kHz at 1000Ws power @ 8 ohms
Hum and noise		• >-100dB, "A" weighted referenced to rated power @ 4 ohms
Slew rate		• >12V/μs
Damping factor (8 ohms)		• >200:1 @ 20Hz-1kHz @ 8 ohms
Phase response		• +15 to -85° from 20Hz-20kHz
Input sensitivity		• 2.25V ±3% for 1kHz 4 ohm rated power • 2.20V ±3% for 1kHz 2 ohm rated power
Input impedance		• 20k ohms balanced • 10k ohms unbalanced
Current draw	@ 1/8 power	• 1348W @ 2 ohms • 757W @ 4 ohms • 504W @ 8 ohms
	@ 1/3 power	• 3185W @ 2 ohms • 1654W @ 4 ohms • 907W @ 8 ohms
Cooling		• 3 temperature dependent variable speed fans
Controls		• 2 front panel attenuators • Crossover select switch for High Out, Normal and Subwoofer
Indicator LEDs		• 2 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	• Dual 1/4" signal patch • Neutrik Speakon Dual 4-pin twist-lock connectors
Construction		• 0.062" thick aluminum
Dimensions		• (LxWxH) 17.5 x 19 x 3.5" (444 x 482 x 89mm) behind front panel + 0.75" for front panel
Net weight		• 15.2lbs (6.9kg) ¹
Gross weight		• 19.0lbs (8.6kg)
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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