Cinema’s first highly efficient and reliable amplifier

CLASS D AMPLIFICATION

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

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

christiedigital.com/cinema

Innovation in every frame™
## Specifications

**Christie CDA3**

<table>
<thead>
<tr>
<th>Rated power</th>
<th>3150W @ 1kHz 1% T.H.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>bridge 4 ohms</td>
<td></td>
</tr>
<tr>
<td>2 x 2 ohms</td>
<td>1770W @ 1kHz 1% T.H.D.</td>
</tr>
<tr>
<td>2 x 4 ohms</td>
<td>1575W per channel @ 1 kHz 1% T.H.D. both channels driven</td>
</tr>
<tr>
<td>2 x 8 ohms</td>
<td>870W per channel @ 1 kHz at &lt;0.1% T.H.D. both channels driven</td>
</tr>
<tr>
<td>1 x 2 ohms</td>
<td>450W per channel @ 1 kHz at &lt;0.1% T.H.D. both channels driven</td>
</tr>
<tr>
<td>1 x 4 ohms</td>
<td>1710W @ 1kHz at &lt;0.1% T.H.D.</td>
</tr>
<tr>
<td>1 x 8 ohms</td>
<td>950W @ 1kHz at &lt;0.1% T.H.D.</td>
</tr>
</tbody>
</table>

**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

**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 -70o 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

**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

**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)

**Gross weight**

- 13.9lbs (6.30kg)

**Warranty**

- Limited 5-year warranty

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

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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.