



## Features

**DriveCore™ Technology** – Crown’s proprietary DriveCore technology eliminates hundreds of components within each amplifier, reducing the variability of component values, increasing reliability, resulting in incredible audio fidelity from an efficient design.

**Network Control and Monitoring** – Through HARMAN’s HiQnet Audio Architect software, the CDi DriveCore can be controlled, configured, and monitored through standard TCP/IP network.

**DSP** – On-board Digital Signal Processor in each amplifier allows for custom configuration and includes these integrated features:

- Input Router
- Input Delay – Up to 1000ms
- Input Parametric EQ – 8 band
- Crossover
- Output Parametric EQ – 8 band
- Output Delay – Up to 100ms
- LevelMAX™ Limiter

**BLU link** (BL models only) – Both receive and send channels over HARMAN’s 256 channel, fault-tolerant audio BUS, BLU link.

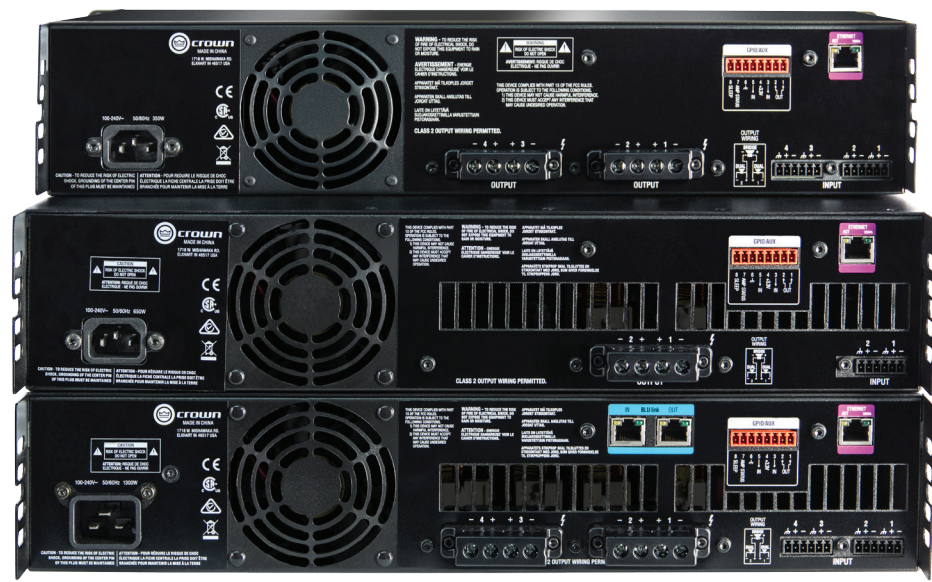
**Direct Drive 70/100Vrms Output** – Each output channel is capable of providing either 70V or 100V for high impedance applications.

**Front-Panel Interface** – Completely configure the amplifier using an intuitive front-panel interface.

**GPIO/AUX Port** – Recall presets, mute channels, monitor faults, power on/off the amplifier, and more through a combined GPIO/AUX Port.

**Pre-loaded Speaker Tunings** – For quicker and easier setup and installation.

# CDI DriveCore™ Series



CDi DriveCore 4|600, 2|1200 and 4|1200BL models shown

## Specifications

### Input Sensitivity

| Amp Model         | 8Ω                            |                             |                              | 70Vrms                      |                             |                               | 100Vrms                             |                             |                               |
|-------------------|-------------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------------|-----------------------------|-------------------------------|
|                   | 37dB Gain Mode                | 34dB Gain Mode              | 26dB Gain Mode               | 37dB Gain Mode              | 34dB Gain Mode              | 26dB Gain Mode                | 37dB Gain Mode                      | 34dB Gain Mode              | 26dB Gain Mode                |
| 2 300 / 2 300BL   | 0.7Vrms<br>(-0.8dBu, -3.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 2.5Vrms<br>(10.2dBu, 8.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV) | 3.5Vrms<br>(13.2dBu, 11.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV)         | 2.0Vrms<br>(8.2dBu, 6.0dBV) | 5.0Vrms<br>(16.2dBu, 14.0dBV) |
| 4 300 / 4 300BL   | 0.7Vrms<br>(-0.8dBu, -3.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 2.5Vrms<br>(10.2dBu, 8.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV) | 3.5Vrms<br>(13.2dBu, 11.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV)         | 2.0Vrms<br>(8.2dBu, 6.0dBV) | 5.0Vrms<br>(16.2dBu, 14.0dBV) |
| 2 600 / 2 600BL   | 0.7Vrms<br>(-0.8dBu, -3.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 2.5Vrms<br>(10.2dBu, 8.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV) | 3.5Vrms<br>(13.2dBu, 11.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV)         | 2.0Vrms<br>(8.2dBu, 6.0dBV) | 5.0Vrms<br>(16.2dBu, 14.0dBV) |
| 4 600 / 4 600BL   | 0.7Vrms<br>(-0.8dBu, -3.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 2.5Vrms<br>(10.2dBu, 8.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV) | 3.5Vrms<br>(13.2dBu, 11.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV)         | 2.0Vrms<br>(8.2dBu, 6.0dBV) | 5.0Vrms<br>(16.2dBu, 14.0dBV) |
| 2 1200 / 2 1200BL | 0.7Vrms<br>(-0.8dBu, -3.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 2.5Vrms<br>(10.2dBu, 8.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV) | 3.5Vrms<br>(13.2dBu, 11.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV)<br>150W | 2.0Vrms<br>(8.2dBu, 6.0dBV) | 5.0Vrms<br>(16.2dBu, 14.0dBV) |
| 4 1200 / 4 1200BL | 0.7Vrms<br>(-0.8dBu, -3.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 2.5Vrms<br>(10.2dBu, 8.0dBV) | 1.0Vrms<br>(2.2dBu, 0.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV) | 3.5Vrms<br>(13.2dBu, 11.0dBV) | 1.4Vrms<br>(5.2dBu, 3.0dBV)         | 2.0Vrms<br>(8.2dBu, 6.0dBV) | 5.0Vrms<br>(16.2dBu, 14.0dBV) |

# CDI DriveCore™ Series

## Output Power: Dual Mode – All Channels Driven

| Amp Model         | Channels | 2Ω   | 4Ω    | 8Ω    | 16Ω  | 70Vrms | 100Vrms |
|-------------------|----------|------|-------|-------|------|--------|---------|
| 2 300 / 2 300BL   | 2        | 150W | 300W  | 300W  | 150W | 300W   | 300W    |
| 4 300 / 4 300BL   | 4        | 150W | 300W  | 300W  | 150W | 300W   | 300W    |
| 2 600 / 2 600BL   | 2        | 300W | 600W  | 600W  | 300W | 600W   | 600W    |
| 4 600 / 4 600BL   | 4        | 300W | 600W  | 600W  | 300W | 600W   | 600W    |
| 2 1200 / 2 1200BL | 2        | 850W | 1200W | 1200W | 600W | 1200W  | 1200W   |
| 4 1200 / 4 1200BL | 4        | 850W | 1200W | 1200W | 600W | 1200W  | 1200W   |

Minimum Guaranteed Power (1kHz, all channels driven, max distortion 0.5%, duration 0.5 seconds, 120 – 240Vrms –50/60Hz)

## Output Power: Bridge Mono Mode – All Channels Driven

| Amp Model         | 4Ω    | 8Ω    | 16Ω   | 140Vrms | 200Vrms |
|-------------------|-------|-------|-------|---------|---------|
| 2 300 / 2 300BL   | 300W  | 600W  | 600W  | 600W    | 600W    |
| 4 300 / 4 300BL   | 300W  | 600W  | 600W  | 600W    | 600W    |
| 2 600 / 2 600BL   | 600W  | 1200W | 1200W | 1200W   | 1200W   |
| 4 600 / 4 600BL   | 600W  | 1200W | 1200W | 1200W   | 1200W   |
| 2 1200 / 2 1200BL | 1200W | 2400W | 2400W | 2400W   | 2400W   |
| 4 1200 / 4 1200BL | 1200W | 2400W | 2400W | 2400W   | 2400W   |

Minimum Guaranteed Power (1kHz, all channels driven, max distortion 0.5%, duration 0.5 seconds, 120 – 240Vrms –50/60Hz)

# CDI DriveCore™ Series

## Performance Specifications

| Specification Description                                                            | 2 300 / 2 300BL                                                  | 4 300 / 4 300BL                                                  | 2 600 / 2 600BL                                                  | 4 600 / 4 600BL                                               | 2 1200 / 2 1200BL                                             | 4 1200 / 4 1200BL                                             |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Digital Signal Processing                                                            | 96kHz, 32-bit floating point                                     | 96kHz, 32-bit floating point                                     | 96kHz, 32-bit floating point                                     | 96kHz, 32-bit floating point                                  | 96kHz, 32-bit floating point                                  | 96kHz, 32-bit floating point                                  |
| Voltage Gain<br>(at maximum level setting) 4/8Ω, 70Vrms and 100Vrms Operation        | 34dB                                                             | 34dB                                                             | 34dB                                                             | 34dB                                                          | 34dB                                                          | 34dB                                                          |
| Frequency Response<br>(8Ω, 20Hz - 20kHz)                                             | +/-0.5dB                                                         | +/-0.5dB                                                         | +/-0.5dB                                                         | ±0.25dB                                                       | ±0.25dB                                                       | ±0.25dB                                                       |
| BLU link Signal-to-Noise Ratio<br>(ref. rated power, 100V, 20Hz - 20kHz)             | >108dB                                                           | >108dB                                                           | >108dB                                                           | >108dB                                                        | >108dB                                                        | >108dB                                                        |
| Total Harmonic Distortion<br>(at full rated power, from 20Hz - 20kHz)                | 0.35%                                                            | 0.35%                                                            | 0.35%                                                            | 0.35%                                                         | 0.35%                                                         | 0.35%                                                         |
| Analog Input Signal to Noise Ratio<br>(ref. rated power, 100V, 20Hz - 20kHz)         | >104dB                                                           | >104dB                                                           | >104dB                                                           | >104dB                                                        | >104dB                                                        | >104dB                                                        |
| Intermodulation Distortion<br>(60Hz and 7kHz at 4:1, from -30dB to full rated power) | ≤0.35%                                                           | ≤0.35%                                                           | ≤0.35%                                                           | ≤0.35%                                                        | ≤0.35%                                                        | ≤0.35%                                                        |
| Damping Factor<br>(20Hz to 100Hz)                                                    | >1000                                                            | >1000                                                            | >1000                                                            | >1000                                                         | >1000                                                         | >1000                                                         |
| Crosstalk<br>(below rated power, 20Hz to 1kHz)                                       | >80dB                                                            | >80dB                                                            | >80dB                                                            | >80dB                                                         | >80dB                                                         | >80dB                                                         |
| Common Mode Rejection<br>(20Hz to 1kHz, typical)                                     | >70dB                                                            | >70dB                                                            | >70dB                                                            | >70dB                                                         | >70dB                                                         | >70dB                                                         |
| DC Output Offset<br>(with inputs shorted)                                            | ±10mV                                                            | ±10mV                                                            | ±10mV                                                            | ±10mV                                                         | ±10mV                                                         | ±10mV                                                         |
| Input Impedance<br>(Nominally balanced, nominally unbalanced)                        | 20 kΩ balanced, 10 kΩ unbalanced                                 | 20 kΩ balanced, 10 kΩ unbalanced                                 | 20 kΩ balanced, 10 kΩ unbalanced                                 | 10 kΩ balanced, 5 kΩ unbalanced                               | 10 kΩ balanced, 5 kΩ unbalanced                               | 10 kΩ balanced, 5 kΩ unbalanced                               |
| Maximum Input Level<br>(Low Amp Gain Mode)                                           | +20dBu                                                           | +20dBu                                                           | +20dBu                                                           | +20dBu                                                        | +20dBu                                                        | +20dBu                                                        |
| Required AC Mains (±10%)                                                             | 100V – 240V~ 50/60Hz                                             | 100V – 240V~ 50/60Hz                                             | 100V – 240V~ 50/60Hz                                             | 100V – 240V~ 50/60Hz                                          | 100V – 240V~ 50/60Hz                                          | 100V – 240V~ 50/60Hz                                          |
| Cooling                                                                              | Continuously variable speed forced air, front-to-back airflow    | Continuously variable speed forced air, front-to-back airflow    | Continuously variable speed forced air, front-to-back airflow    | Continuously variable speed forced air, front-to-back airflow | Continuously variable speed forced air, front-to-back airflow | Continuously variable speed forced air, front-to-back airflow |
| Power Supply Connector                                                               | Standard IEC type 320 inlet for detachable connector 100 – 240V~ | Standard IEC type 320 inlet for detachable connector 100 – 240V~ | Standard IEC type 320 inlet for detachable connector 100 – 240V~ | 15A IEC connector, 100 – 240V                                 | 15A IEC connector, 100 – 240V                                 | 20A IEC connector, 100 – 240V                                 |
| Load Impedance Stereo/Dual Mode                                                      | 2Ω - 16Ω; 70Vrms and 100Vrms                                     | 2Ω - 16Ω; 70Vrms and 100Vrms                                     | 2Ω - 16Ω; 70Vrms and 100Vrms                                     | 2Ω - 16Ω; 70Vrms and 100Vrms                                  | 2Ω - 16Ω; 70Vrms and 100Vrms                                  | 2Ω - 16Ω; 70Vrms and 100Vrms                                  |
| Load Impedance Bridge Mono                                                           | 4Ω - 16Ω; 140Vrms and 200Vrms                                    | 4Ω - 16Ω; 140Vrms and 200Vrms                                    | 4Ω - 16Ω; 140Vrms and 200Vrms                                    | 4Ω - 16Ω; 140Vrms and 200Vrms                                 | 4Ω - 16Ω; 140Vrms and 200Vrms                                 | 4Ω - 16Ω; 140Vrms and 200Vrms                                 |
| Maximum Fan Noise<br>(re dB SPL @ 1M)                                                | 51dBA                                                            | 51dBA                                                            | 51dBA                                                            | 51dBA                                                         | 54 dBA                                                        | 54dBA                                                         |
| Weight                                                                               | 14.56 lbs (6.6 kg)                                               | 16.13 lbs (7.31 kg)                                              | 14.56 lbs (6.6 kg)                                               | 16.3 lbs (7.39 kg)                                            | 17.2 lbs (7.8 kg)                                             | 20.1 lbs (9.12 kg)                                            |

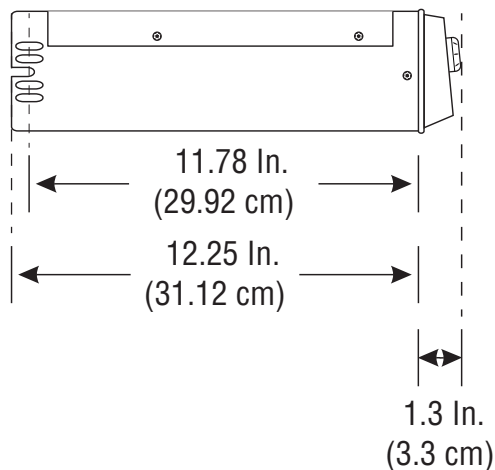


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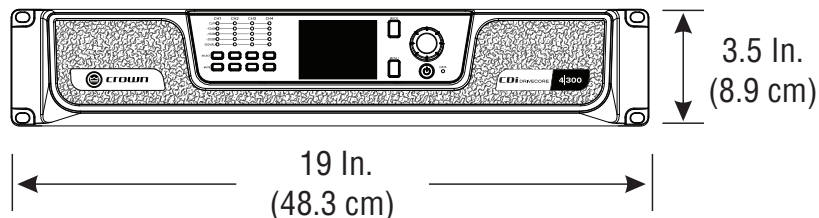
## Dimensions

2|300 / 2|300BL / 4|300 / 4|300BL / 2|600 / 2|600BL / 4|600 / 4|600BL

Depth

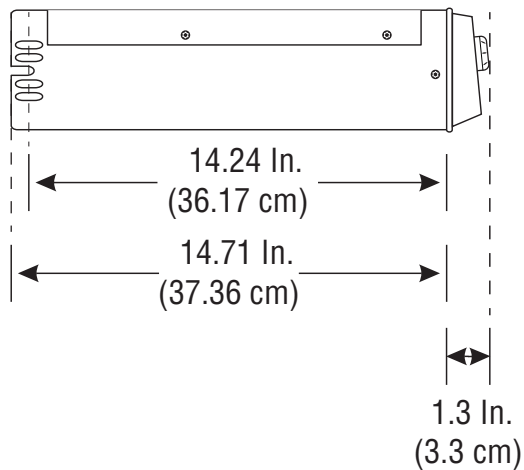


Width / Height



2|1200 / 2|1200BL / 4|1200 / 4|1200BL

Depth



Width / Height

