

**Description**

Designed with touring sound professionals in mind, the ACM L Series power amplifiers faithfully produce high power with low distortion in an extremely economical package.

With advanced anti-shock, over current, output short cut, DC offset circuit design, the L Series amplifiers offer the protection that ensures safe & trouble free shows night after night.

The L Series professional power amplifiers provide ACM's renowned sonic integrity while providing exceptionally high power ratings in a compact, lightweight, 2U package.

The L Series amps feature Automatic Clip Limiting (ACL) to protect connected drivers; tunnel-cooled, high efficiency heat sinks. And variable-speed DC fans to limit the operating temperature and extend amplifier life.

**L Series Power Amplifier**



acmaudio  
**L200/300/400/600**  
**L Series Power Amplifier**



**Specifications**

| <b>Minimum Guaranteed Power</b>   | <b>L200</b>               | <b>L300</b>             | <b>L400</b>             | <b>L600</b>             |
|---|---------------------------|-------------------------|-------------------------|-------------------------|
| Stereo, 4 ohms (per ch.)  | 300W                      | 450W                    | 600W                    | 900W                    |
| Stereo, 8 ohms (per ch.)  | 200W                      | 300W                    | 450W                    | 600W                    |
| <b>Performance</b>  | <b>L200</b>               | <b>L300</b>             | <b>L400</b>             | <b>L600</b>             |
| <b>Load Impedance</b> (Note: Safe with all types of loads)<br>Stereo<br>Bridge Mono             | 4-8 ohms                  | 4-8 ohms                | 4-8 ohms                | 4-8 ohms                |
| Frequency Response<br>(at 1 watt, 20Hz - 25 kHz) <sup>3</sup>                                   | 20Hz - 20kHz              | 20Hz - 20kHz            | 20Hz - 20kHz            | 20Hz - 20kHz            |
| Phase Response<br>(at 1 watt, 20Hz to 20 kHz)   | +10°,-20°                 | +10°,-20°               | +10°,-20°               | +10°,-20°               |
| Signal to Noise Ratio below rated power<br>A-weighted   | ≥103dB                    | ≥103dB                  | ≥103dB                  | ≥103dB                  |
| Total Harmonic Distortion (THD) at 1 full<br>bandwidth power, from 20 Hz to 20 kHz              | ≤0.1%                     | ≤0.1%                   | ≤0.1%                   | ≤0.1%                   |
| Intermodulation Distortion (IMD) 60 Hz<br>and 7 kHz at 4:1,<br>from full rated output to -35 dB | ≤0.05%                    | ≤0.05%                  | ≤0.05%                  | ≤0.05%                  |
| Damping Factor (8 ohm): 20 Hz to 400 Hz   | ≥300                      | ≥300                    | ≥300                    | ≥300                    |
| Crosstalk (below rated power,<br>20 Hz to 20 kHz)   | ≥-60dB                    | ≥-60dB                  | ≥-60dB                  | ≥-60dB                  |
| Common Mode Rejection<br>(CMR)(20 Hz to 1 kHz)  | ≥-65dB                    | ≥-65dB                  | ≥-65dB                  | ≥-65dB                  |
| DC Output Offset (Shorted input)  | ≤10mV                     | ≤10mV                   | ≤10mV                   | ≤10mV                   |
| Input Impedance (nominally balanced, nominally<br>unbalanced)                                   | 20 kΩm, 10 kΩm            | 20 kΩm, 10 kΩm          | 20 kΩm, 10 kΩm          | 20 kΩm, 10 kΩm          |
| Sensitivity (volts RMS) for full rated<br>power at 8 ohms                                       | 0.775V, 34.3dB            | 0.775V, 36dB            | 0.775V, 37.2dB          | 0.775V, 329dB           |
| Input/Output Connectors   | XLR/NL4                   | XLR/NL4                 | XLR/NL4                 | XLR/NL4                 |
| AC Line Voltage and Frequency Configurations<br>Available (±10%)                                | ~220-240 V and 50/60 Hz   | ~220-240 V and 50/60 Hz | ~220-240 V and 50/60 Hz | ~220-240 V and 50/60 Hz |
| AC Line Current (both amplifiers draw no more<br>than 90 watts at idle)                         | 3A                        | 4A                      | 6A                      | 9A                      |
| <b>Construction</b>   | <b>L200<sub>450</sub></b> | <b>L300</b>             | <b>L400<sub>9</sub></b> | <b>L600</b>             |
| Weight<br>Net   | 14kg                      | 16kg                    | 19kg                    | 24kg                    |
| Shipping  | 17kg                      | 19kg                    | 22kg                    | 27kg                    |