PRELIMINARY


CAMCO Q Series is a new range of 4 channel, high output power amplifiers. The Q 6 and the Q 10 Both have been designed to provide that, Powerful Pure Sonic Performance which is now so synonymous with the CAMCO brand name.

## New Technology

The CAMCO Q 10 introduces new class D amplifier technology offering smooth and responsive handling with massive power output while maintaining CAMCO's famous Sonic Integrity, The CAMCO Q 6 uses class H technology, both models benefiting from the latest advances in CAMCO's SMPS technology, the resulting high power, lightweight units are at home in all professional applications.

## Designed for flexibility of Use

With the introduction of the Q series CAMCO aim to deliver simple, pure and reliable power for applications where cost and ease of use are paramount without lose of integrity.

## Simple Direct Approach

CAMCO have paid attention to market requirements for a simple approach. In introducing the Q Series CAMCO identified, key elements, such as power output, loading, AC power supply flexibility and connectivity. The result is two, outstanding power output options, across four channels, in a 19" 2 RU rugged case design, suitable for professional Installations, Theatre and Live Sound applications.

## Features

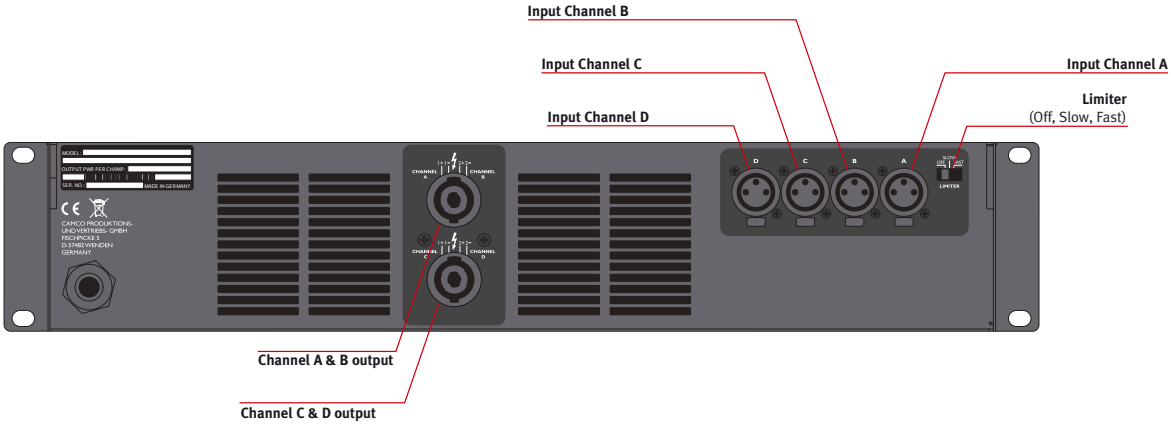
- Dual Voltage SMPS with automatic voltage selection for 120 V / 230 V operation
- Two temperature controlled cooling fans
- 3 position limiter function across all 4 channels, off-slow-fast
- 100 V (Q 10) / 70 V (Q 6) line operation
- CAMCO Switch Mode Power Supply technology
- 2500 W (Q 10) / 1600 W (Q 6) peak power RMS output at 4 Ω

## 6 Years Warranty

CAMCO amplifiers renowned reliability is backed up by 6 years warranty from date of first purchase.

*Along with ABCD channel identification, clear LED status indicators above each potentiometer indicate; Amp on, Signal present (this is red if in protect mode), Output current and clip status, all information is clear and precise.*


*The three position CAMCO clip limiter (off/slow/fast) provides accurate protection while maintaining the maximum power values possible across all four channels.*




| Specifications: | Q 6 | Q 10 |
|---|---|---|
| **Power per channel**<br>All channels driven<br>Peak RMS @ 4 Ω | 1600 W | 2500 W |
| **No. of channels** | 4 | 4 |
| **Output Circuitry** | Class H | Class D |
| **Signal To Noise-Ratio**<br>20 Hz - 20 kHz, 8 Ω load | > 111 dB (A-weighted)<br>> 105 dB (unweighted) | > 118 dB (A-weighted)<br>> 115 dB (unweighted) |
| **THD+N (typical)**<br>20 Hz - 20 kHz, 8 Ω load,<br>3 dB below rated power | < 0,01 % | < 0,05 % |
| **SMPTE (typical)**<br>20 Hz - 20 kHz, 8 Ω load,<br>3 dB below rated power | < 0,01 % | TBD |
| **Damping Factor**<br>8 Ω load, 1 kHz and below | > 400 | > 600 |
| **Net Weight** | 10,6 kg / 23,4 lbs | 11,5 kg / 25,4 lbs |
| **Shipping Weight** | 12,6 kg / 27,8 lbs | 13,5 kg / 29,8 lbs |
| **Frequency Response**<br>8 Ω load, 1 dB below rated power | 20 Hz - 20 kHz ± 0,15 dB | |
| **Input Impedance** | 40 kΩ balanced | |
| **Input Gain** | 26 dB | |
| **Protection Circuits** | inrush-current limitation, protection circuits against power on/off transients, temperature monitoring of transformers and heat-sinks, output DC protection, power transistor control, temperature dependent SOA protection, intelligent mains fuse protection | |
| **Limiter** | 3 step switchable peak-limiter | |
| **Fan** | 2 temperature dependent speed-controlled axial fans | |
| **Indicators** | LED's for ON, SIGNAL/PROTECT, CLIP, Output Current | |
| **Input Connectors** | 3-pin XLR, male and female per channel, pin 2 = in phase | |
| **Output Connectors** | Two 4-pole SPEAKON connectors | |
| **Operation Voltage** | Dual Voltage SMPS with automatic voltage selection for 120 V / 230 V operation | |
| **Dimensions (WxHxD)** | 483 x 88,9 x 419 mm / 19 x 3,5 x 16,5 inches (19", 2U) | |
| **Shipping Dim. (WxHxD)** | 600 x 105 x 527 mm / 23,3 x 4,1 x 20,7 inches | |

Preliminary specifications, subject to technical alterations without prior notice.