

# CLASSE

DELTA SERIES

**CA-M300**  
300W monaural amplifier



Our newest Delta series amplifiers embody all that Classé represents: innovation, technological achievement, consummate craftsmanship, and iconic design. But they are not just the latest in the distinguished line of Classé amplifiers to be launched since 1980. They are new, revolutionary and unique.

#### **Performance first**

The original Delta series amplifiers won more than critical acclaim. Elite audio professionals use them to master music and movies that the whole world has enjoyed. Our newest amplifiers are even better. Objectively, pure technical measurements prove they deliver our highest performance ever. Subjectively, they simply blow audiences away.

The Classé design team has created the ultimate environment to amplify an audio signal. The entire amplification process occurs on a single board, creating the most direct and transparent signal path conceivable. Our uniquely miniaturized driver stage is virtually noise free, so every nuance of the original signal reaches the output stage. Here, vast quantities of clean power are controlled with absolute precision. Suddenly, the world's finest speakers sound even better.

#### **Performance fast**

There is a relationship between temperature and performance but it is widely misunderstood. Audiophiles say that optimal performance is obtained when an amplifier is "warmed up," but what does this actually mean? When is it warm enough and when is it too warm?

The exposed heatsink fins found on conventional amplifiers are passive. They can't help circuits reach their ideal temperature or keep them there throughout a listening session. They run at a temperature wholly defined by their environment and how loud they are playing. This can be far from ideal.

Heat management in Classé's new Delta series amplifiers is provided by the ICTunnel™ (pronounced Icy Tunnel), a sensor- and microprocessor-controlled technology inspired by the heatsinks found in high-power laser and medical equipment. Mounted inside the unit, the ICTunnel™ actively regulates the amplifier temperature to ensure both optimum performance and reliability.

From room temperature, the amplifiers warm up fast. They reach their ideal temperature in less than fifteen minutes and remain there regardless of how hard they are driven. No conventional heatsink can do this.

#### **In a Class by itself**

Ground-breaking performance, prodigious power, sophisticated control and rock-steady reliability—Classé's new Delta series is a giant leap in amplifier design. Thanks to exclusive ICTunnel™ and audio technologies, only Classé amplifiers can consistently deliver top performance and reliability in every installation.

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#### CA-M300 Specifications

All tests un-weighted and 500kHz measurement bandwidth (except SNR).

Frequency response	1 Hz – 100 kHz, -3dB
Output power	300W rms into 8 $\Omega$ (24.8 dBW) 600W rms into 4 $\Omega$ (24.8 dBW)
Harmonic Distortion	<0.002% at 1 kHz balanced <0.004% at 1 kHz single ended
Peak Output Voltage	150V peak to peak, 53V rms no load 136V peak to peak, 48V rms into 8 $\Omega$
Input Impedance	50k $\Omega$ balanced / single ended
Voltage gain	29dB balanced / single ended
Input level at clipping	1.88V rms balanced / single ended
Intermodulation Distortion	>90dB below fundamental into 8 $\Omega$ balanced / single ended  >90dB below fundamental into 4 $\Omega$ balanced / single ended

Signal to Noise Ratio	-116dB at peak output into 8 $\Omega$ Measurement Bandwidth: 22 kHz
Output impedance	0.015 $\Omega$ @ 1 kHz
Standby power consumption	< 1W
Rated power consumption	420W @ 1/8th power into 8 $\Omega$
Width	17.5" (444mm)
Depth (excluding connectors)	17.52" (445mm)
Height	8.78" (223mm)
Gross weight	87 lb (39.5 kg)
Net weight	75 lb (34.0 kg)
Mains voltage	Specified on rear panel

Prices and specifications subject to change.  
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