

Classé



CA-401

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Features and specifications:

CA-401

Rated output power:

	Stereo	Mono
@ 8 Ohms:	400 W	1600 W
@ 4 Ohm:	800 W	3200 W

Frequency response:

20Hz to 20KHz \pm 0.1 dB

Sensitivity:

2 Volts in for rated output

Input Impedance:

16K ohms

Output Impedance:

0.017 Ohm

Gain:

29 dB

S/N Ratio:

135 dbr

THD + N:

0.002%

Dimensions:

Gross: 15" x 30" x 27"

Net: 19.25" x 23" x 9 1/2"

Weight:

Gross: 147 lbs.

Net: 130 lbs.

The Classé CA-401 was engineered using the knowledge gained from the development of the spectacular OMEGA Series.

We knew we were embarking on a great adventure when we started the cost-no-barrier design exercise which culminated in the development of the OMEGA Series of amplifiers and preamplifiers. Through the exercise we discovered the revolutionary OMEGA circuit designs, with the result that each product in the OMEGA Series has no sonic equal.

The CA-401 benefits greatly from a trickle-down of technology and represents a long step forward in amplifier design. Each channel of the amplifier is balanced from input to output, much like an OMEGA, and the amplifier has an oversized, extremely well regulated power supply, again much like an OMEGA.

Because the CA-401 is balanced from input to output it has a greatly enhanced signal to noise ratio, lower induced common-mode distortion, and freedom from grounding problems.

The power supply of a CA-401 includes a massive, shielded toroidal transformer and a large number of small capacitors. We use large collections of small capacitors because they "drain" and "refill" very rapidly and completely, supplying voltage when required. A faster, cleaner power supply allows us a higher degree of accurate voltage regulation throughout the circuitry. This ensures that no matter what program material is being played at whatever level, the voltages at the various stages of amplification will remain constant.

The fast, oversized power supply allows the amplifier to deliver the full current and voltage required to virtually any load. The CA-401 delivers sound which is clean, liquid, warm and effortless. Imaging, with the better recordings we all enjoy listening to, is both wide and deep. In fact, imaging seems real and human.



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