

AVAILABLE MODELS: CA-2000 & CA-4000

CA-SERIES

PROFESSIONAL
AMPLIFIERS



DESCRIPTION:

Apogee's CA-Series amplifiers offer cost-effective performance for permanent installations and commercial sound. Built around the same rugged chassis as our DA-Series amplifiers, CA amplifiers use the latest in power MOSFET technology. They provide unparalleled sonic quality, exceptional reliability, and reduced heat output, all at a modest cost. The robust power supplies use special low ESR capacitors and uniform-wound toroidal transformers.

Three models are available to cover most requirements. All models are only two rack spaces high, and feature rear panel level controls to avoid tampering or inadvertent adjustment. Like our DA-Series amplifiers, the air intake and air filter are on the front panel allowing easy access when cleaning is required.

The front-end circuitry features an advanced clip eliminator to reduce distortion. Speaker protection is provided by means of an ultra-fast crowbar circuit. All models are equipped with adjustable speed fans for quiet, efficient cooling and feature internally configurable AC mains for 120 VAC or 230 VAC.

HIGHLIGHTS:

- UNPARALLELED SONIC QUALITY
- EXCEPTIONAL RELIABILITY
- COST-EFFECTIVE DESIGN
- REDUCED HEAT OUTPUT
- USES MOSFET TECHNOLOGY

QUICK REFERENCE:

ALL POWER FIGURES PER CHANNEL

CA-2000:

4 OHMS/275 WATTS; 8 OHMS/180 WATTS

CA-4000:

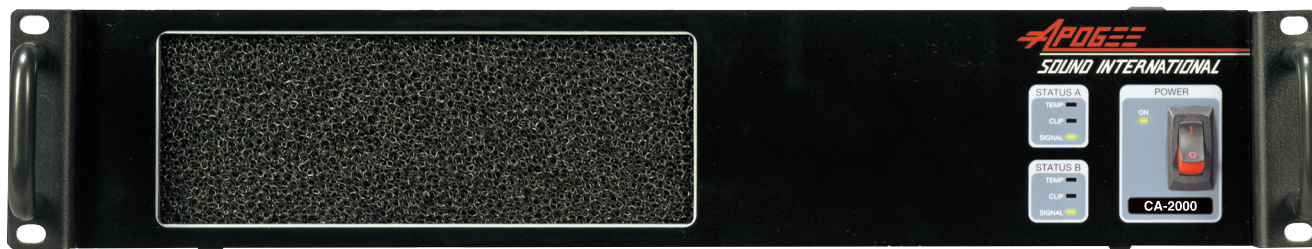
4 OHMS/635 WATTS; 8 OHMS/395 WATTS

APPLICATIONS:

- PERMANENT INSTALLATIONS
- COMMERCIAL SOUND

APOGEE
SOUND INTERNATIONAL, LLC

CA-2000/4000 FRONT VIEW



CA-2000/4000 REAR VIEW



TECHNICAL SPECIFICATIONS:

	CA-2000	CA-4000
POWER 20 Hz - 20 kHz 1% THD:		
4 OHMS STEREO	275 WRMS	635 WRMS
8 OHMS STEREO	180 WRMS	395 WRMS
8 OHMS BRIDGED	550 WRMS	1270 WRMS
POWER 1 kHz 0.1% THD:		
4 OHMS STEREO	250 WRMS	590 WRMS
8 OHMS STEREO	165 WRMS	370 WRMS
8 OHMS BRIDGED	500 WRMS	1180 WRMS
PEAK POWER 2 OHMS/1 kHz:	0.98kW	2kW
IMD. DIST. 50 Hz & 7 kHz, 4:1:	< 0.05%	< 0.08%
SLEW RATE:	± 60V/μs	± 75V/μs
AMPLIFIER GAIN:	31 dB	34 dB
S+N/N 20 Hz - 20 kHz @ 1W/4 OHMS:	> 85 dB	> 80 dB
CHANNEL CROSSTALK @ 1 kHz	70 dB	75 dB
POWER CONSUMPTION (MAX. OUT):	830 VA	1790 VA
WEIGHT:	32.5 lb. 14.7 kg	44 lb. 20 kg

SAME SPECIFICATIONS FOR ALL MODELS:

- FREQUENCY RESPONSE (-1 dB):** 7 Hz-50 kHz
- HIGH PASS FILTER 18 dB/OCTAVE :** 50 Hz (-3 dB)
- THD+NOISE @ 1 kHz FULL PWR:** < 0.03%
- DAMPING FACTOR 1 kHz @ 8 OHMS :** > 300
- INPUT CONNECTOR:** XLR balanced
- OUTPUT CONNECTORS:** All models have binding posts
- STACKING OUTPUTS:** 1/4" balanced (tip-ring-sleeve) phone type
- INPUT CMRR/REF. MAX. PWR:** > 60 dB @ 1 kHz
- INPUT SENSITIVITY / IMPEDANCE:** 0 dBV/22k ohms
- SIGNAL PRESENT INDICATOR:** -40 dB
- CLIP INDICATORS:** All models provide -1.5 dB indication before clip
- ANTICLIP LIMITER:** Activates at 1% or 5% , internally configurable
- DIMENSIONS:** 19" (483mm) W x 3.5" (89mm) H x 17.2" (437mm) D;
(2 EIU rack spaces)
- AC CONFIGURABLE FOR 120 OR 230 VAC**



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