

acm **a 1800/2400/3000**

Description

The *a* Series professional power amplifiers offer ACM renowned integrity and can handle exceptionally high power ratings in a compact, light weight 2RU package. The *a* Series amps also feature Automatic Clip Limiting to protect connected drivers; Impedance sensing to accommodate varying impedance outputs; tunnel cooled, high efficiency heat sinks; and variable speed DC fans to limit the operating temperature and extend amplifier life. Models in the series include the a1800, a2400 and a3000.

a Series Power Amplifier



a 1800



a 2400



a 3000

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a 1800/2400/3000

a Series Power Amplifier



Specifications

Minimum Guaranteed Power	a1800	a2400	a3000
1 kHz with 0.5% THD			
Stereo, 4 ohms (per ch.)	960W	1280W	1600W
Stereo, 8 ohms (per ch.)	600W	800W	1000W
Bridge mono, 8 ohms	1800W	2400W	3000W

Performance	a1800	a2400	a3000
Sensitivity (volts RMS) for full rated power at 8 ohms	0.775V, 32dB, 26dB	0.775V, 32dB, 26dB	0.775V, 32dB, 26dB
Frequency Response (at 1 watt, 20Hz - 25 kHz)	+0dB, -0.5dB	+0dB, -0.5dB	+0dB, -0.5dB
Phase Response (at 1 watt, 20Hz to 20 kHz)	+10°, -20°	+10°, -20°	+10°, -20°
Signal to Noise Ratio below rated power A-weighted			
Total Harmonic Distortion (THD) at 1 full bandwidth power, from 20 Hz to 20 kHz			
Intermodulation Distortion (IMD) 60 Hz and 7 kHz at 4:1, from full rated output to -35 dB			
Damping Factor (8 ohm): 20 Hz to 400 Hz			
Low Cut: Linkwitz-Riley(24dB/Octave)	Off/35Hz/80Hz	Off/35Hz/80Hz	Off/35Hz/80Hz
Low Pass: Linkwitz-Riley(24dB/Octave)	Off/80Hz/125Hz	Off/80Hz/125Hz	Off/80Hz/125Hz
Crosstalk (below rated power, 20 Hz to 20 kHz)			
Common Mode Rejection (CMR)(20 Hz to 1 kHz)			
DC Output Offset (Shorted input)			
Input Impedance (nominally balanced, nominally unbalanced)	20 kilohms, 10 kilohms	20 kilohms, 10 kilohms	20 kilohms, 10 kilohms
Voltage Gain (at maximum level setting)	39dB gain at 0.775volt sensitivity	40.3dB gain at 0.775volt sensitivity	41.2dB gain at 0.775volt sensitivity
Load Impedance (Note: Safe with all types of loads)			
Stereo	4-8 ohms	4-8 ohms	4-8 ohms
Bridge Mono	8 ohms	8 ohms	8 ohms
AC Line Voltage and Frequency Configurations Available (±10%)	~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 than 90 watts at idle)	10A	12A	15A

Construction	a1800	a2400	a3000
Ventilation	Flow-through ventilation from front to back	Flow-through ventilation from front to back	Flow-through ventilation from front to back
Cooling	Proportional speed fan	Proportional speed fan	Proportional speed fan
Dimensions	H x W x D: 89mmx483mmx462mm	H x W x D: 89mmx483mmx462mm	H x W x D: 89mmx483mmx462mm
Weight			
Net	16kg	18kg	23kg
Shipping	19kg	21kg	26kg