

acm Q 2100

Description

The Q Series professional power amplifiers offer ACM renowned integrity and can handle exceptionally high power ratings in a compact, light weight 1RU package. The Q 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.

	8 Ohm stereo	4 Ohm stereo	8 Ohms bridged	Weight
Q2100	100W	150W	300W	8kg
Q2150	150W	225W	450W	9kg



Q 2100



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Professional Power Amplifier

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Specifications

Rated power bridge mode 8 Ohms
300Watts @ 1 kHz at <0.1% T.H.D.

Rated power (2 X4 Ohms)
150 Watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven

Rated power (2 X 8 Ohms)
100 Watts per channel @ 1 kHz at <0.1% T.H.D.both channels driven

Input CMRR
>-65 dB @ 1 kHz

Power bandwidth
10 Hz - 30kHz; +0, -0.5 dB at rated 80 Watts 8 Ohm power

T.H.D.(2 X 4 Ohms)
<0.05%@100 Watts per channel from 20 HZ to 20 kHz

T.H.D.(2 X 8 Ohms)
<0.05%@100Watts per channel from 20 HZ to 20 kHz

Rated power (1 X4 Ohms)
180 Watts @ 1 kHz at <0.1% T.H.D.

Rated power (1 X 8 Ohms)
130 Watts @ 1 kHz at <0.1% T.H.D.

Minimum load impedance
4 Ohms

Maximum RMS voltage swing
37Volts

Frequency response
10 Hz - 100 kHz; +0, -3 dB at 1 Watt

Phase response
+5 to -15 from 20 Hz to 20 kHz

Input impedance
10 k Ohms, balanced

Cooling

Tow temperature dependant variable speed 40mm high output DC fans

Controls

Two front panel attenuators, rear panel mode switch and gain select switch

Voltage gain

0.775V, 32 dB or 26 dB

Crosstalk

>-60 dB @ 1 kHz at rated power @ 8 Ohms

Hum and noise

>-106 dB, "A" weighted referenced to rated power @ 8 Ohms

Slew rate

>22V/us

Damping factor (8 Ohms)

>400:1 @ 20Hz - 1 kHz

Indicator LEDs

2 Clip, 2 signal presence, 1 Bridge, 1 active status/Protection

Protection

Thermal, DC, turn-on bursts, incorrect loads

Connectors

XLR, Speakon and Binding Post speaker output, 240/230 Volt 2.5 amp IEC mains

Construction

16 ga. Steel

Dimensions

44 mm x 483 mm x 350 mm

Net weight

8kg

Gross weight

9 kg