

# acm Q 2280

## 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
Q2200	200W	300W	600W	13kg
Q2280	280W	420W	840W	14kg



# Q 2280



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Professional Power Amplifier

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## Q 2280

### Professional Power Amplifier



## Specifications

**Rated power bridge mode 8 Ohms**  
840Watts @ 1 kHz at <0.1% T.H.D.

**Rated power (2 X 4 Ohms)**  
420 Watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven

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

**Input CMRR**  
>-65 dB @ 1 kHz

**Power bandwidth**  
10 Hz - 50kHz; +0, -0.5 dB at rated 150 Watts 8 Ohm power

**T.H.D.(2 X 4 Ohms)**  
<0.05% @ 300 Watts per channel from 20 Hz to 20 kHz

**T.H.D.(2 X 8 Ohms)**  
<0.05% @ 200 Watts per channel from 20 Hz to 20 kHz

**Rated power (1 X 4 Ohms)**  
450 Watts @ 1 kHz at <0.1% T.H.D.

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

**Minimum load impedance**  
4 Ohms

**Maximum RMS voltage swing**  
55Volts

**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**  
20 k Ohms, balanced; 10 k Ohms, unbalanced

**Cooling**  
Low 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)**  
>500:1 @ 20Hz - 1 kHz

**Indicator LEDs**  
2 Clip, 2 signal presence, 2 active status/ 2 Protection

**Protection**  
Thermal, DC, turn-on bursts, incorrect loads

**Connectors**  
XLR, Speakon and Binding Post speaker output, 240/230 Volt 6.3 amp IEC mains

**Construction**  
16 ga. Steel

**Dimensions**  
44 mm x 483 mm x 480 mm

**Net weight**  
14kg

**Gross weight**  
15kg