

# QUAD 306 POWER AMPLIFIER



## Specifications:

Measurements apply to either channel. All measurements made at 230V A.C.

**Power Output:** See graph.

**Distortion:** Continuous sine wave into 8Ω resistive load  
 20Hz any level up to 50 watts <0.01% Dtot  
 1kHz any level up to 50 watts <0.01% Dtot  
 20kHz any level up to 50 watts <0.03% Dtot

## Output Internal Impedance and Offset:

1.5μH in series with 0.05Ω. Offset typically 7mV.

**Frequency Response:** Ref. 1kHz  
 -0.25dB at 20Hz and 20kHz  
 -1.0dB at 13Hz and 40kHz

**Power Response:** Ref. 1kHz  
 -0.25dB at 20Hz and 20kHz

**Signal Input Level:** 0.375 volts for 50 watts into 8Ω  
 Amplifier loads the input by 20kΩ

## Signal Input

**Overload:** Instantaneous recovery up to +15dB overload.

**Crosstalk:** Input loaded by 1kΩ  
 -100dB at 100Hz  
 -85dB at 1kHz  
 -65dB at 10kHz

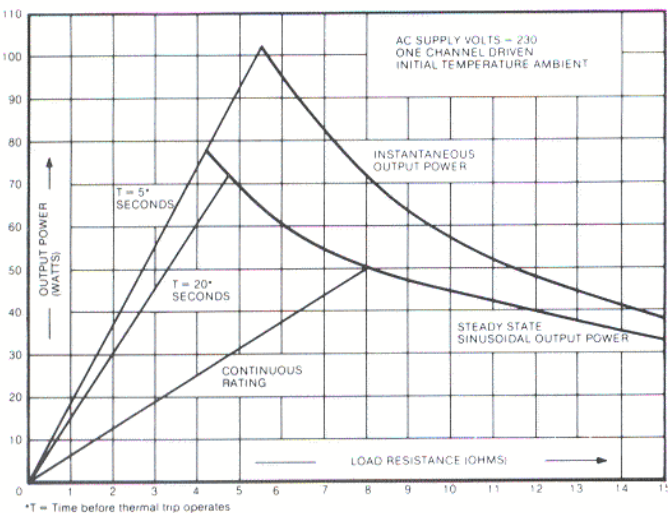
**Hum and Noise:** (15.7kHz measurement bandwidth)  
 Unweighted -105dB ref. 50 watts.

**Stability:** Unconditionally stable with any load and any signal.

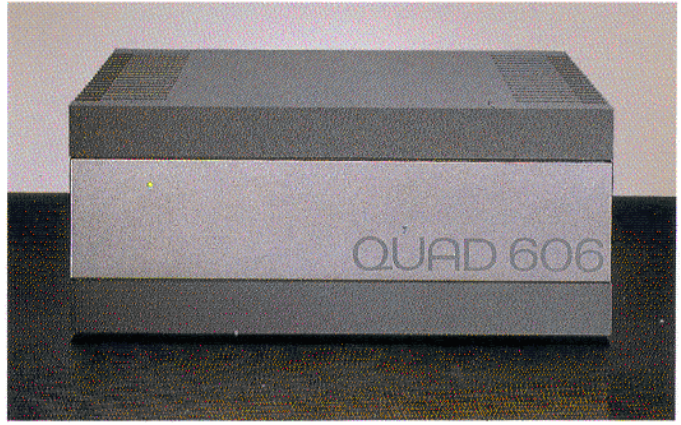
**AC Input:** 110-120V or 220-240V, 30-250 watts, depending on signal level.

**Weight:** 4.62Kg.

**Dimensions:** 321mm wide, 64mm high, 207mm deep.



# QUAD 606 POWER AMPLIFIER



## Specifications:

Measurements apply to either channel. All measurements made at 230V A.C.

**Power Output:** See graph.

**Distortion:** Continuous sine wave into 8Ω resistive load  
 20Hz any level up to 130 watts <0.01% Dtot  
 1kHz any level up to 130 watts <0.01% Dtot  
 20kHz any level up to 130 watts <0.03% Dtot

## Output Internal Impedance and Offset:

1.5μH in series with 0.05Ω. Offset typically 7mV.

**Frequency Response:** Ref. 1kHz  
 -0.25dB at 20Hz and 20kHz  
 -1.0dB at 13Hz and 40kHz

**Power Response:** Ref. 1kHz  
 -0.25dB at 20Hz and 20kHz

**Signal Input Level:** 0.5 volts for 140 watts into 8Ω  
 Amplifier loads the input by 20kΩ

## Signal Input

**Overload:** Instantaneous recovery up to +15dB overload.

**Crosstalk:** Input loaded by 1kΩ  
 -100dB at 100Hz  
 -85dB at 1kHz  
 -65dB at 10kHz

**Hum and Noise:** (15.7kHz measurement bandwidth)  
 Unweighted -105dB ref. 140 watts.

**Stability:** Unconditionally stable with any load and any signal.

**AC Input:** 110-120V or 220-240V, 30-850 watts, depending on signal level.

**Weight:** 12.0Kg.

**Dimensions:** 321mm wide, 133.5mm high, 239.5mm deep.

