

Reference 160 S Stereo Amplifier

SKU REF160S

Category [Amplifiers](#)

Electronic Specifications

POWER OUTPUT

140 watts continuous from 20Hz to 20kHz. 1kHz total harmonic distortion typically 1% at 140 watts, below 0.04% at 1 watt. (Note that actual power output is dependent upon both line voltage and "condition" i.e.: if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not critical).

POWER BANDWIDTH

(-3dB Points) 5Hz to 70kHz.

FREQUENCY RESPONSE

(-3dB points at 1 watt) 0.5Hz to 110kHz.

INPUT SENSITIVITY

2.4V RMS Balanced for rated output. (25.5 dB gain into 8 ohms).

INPUT IMPEDANCE

300k ohms Balanced; 100k ohms Single-ended.

OUTPUT POLARITY

Non-inverting. Balanced input pin 2+ (IEC-268).

OUTPUT TAPS

16 ohms, 8 ohms, 4 ohms.

OUTPUT REGULATION

Approximately 0.6dB 16 OHM LOAD TO OPEN CIRCUIT (Damping factor approximately 14).

OVERALL NEGATIVE FEEDBACK

14dB SLEW RATE: 13 volts/microsecond RISE TIME: 2.0 microseconds.

POWER REQUIREMENTS

105-130VAC 60Hz (210-250VAC 50Hz) 875 watts at rated output, 700 watts in Triode mode, 500 watts at "idle", 3.6 watts off

TUBES REQUIRED

4 matched pair KT150 (Power output V1-4); 4 6H30 (Gain stage V5 and V6).

DIMENSIONS

Width 19.0" (48.26 cm)

Height 10.25" (26 cm)

Depth 21.5" (54.61 cm)

With Handles and Connectors: 24" (60.96 cm)

WEIGHT

100lbs