

# SPECIFICATIONS

## PERFORMANCE

### Power Output:

360 watts minimum power, RMS into 8 ohms from 20 Hz to 20,000 Hz with no more than .09% Total Harmonic Distortion.

### Continuous Power:

450 watts per channel 8 ohms at 1000 Hz.  
550 watts per channel 4 ohms at 1000 Hz.

### Typical Total Harmonic Distortion:

.009% at rated power into 8 ohms at 1 kHz.  
.009% at rated power into 4 ohms at 1 kHz

### Intermodulation Distortion:

(60 Hz: 7kHz = 4:1)  
less than .09% at rated power into 8 ohms.  
less than .09% at rated power into 4 ohms.

### Frequency Response:

12 Hz to 40 kHz. +0-1dB

### Signal to Noise Ratio:

110 dB  
(IHF A-WEIGHTED)

### Residual Noise:

120 uV  
(IHF A-WEIGHTED)

### Damping Factor:

1000:1 @ 1000 Hz

### Input Impedance:

33 K ohms minimum

### Input Sensitivity:

1.2 volts RMS for 360 watts at 8 ohms.

### Speaker Impedance:

Accept 4 ohms to 16 ohms.

### Slew Rate:

Better than 18 V/uS

### Rise Time: (Small Signal):

Less than 4.0 uS

### Phase Shift:

0 degrees at 20 Hz  
- 18 degrees at 20 kHz

## GENERAL SPECIFICATIONS

### Displays:

A peak responding 3½ inch sequential light emitting diode (LED) display is provided for each channel. The display is calibrated to indicate output voltage and power levels on a logarithmic scale, with 0dB corresponding to rated power output (360 watts into 8 ohms). The dynamic range of the display is greater than 40 dB; it responds to peak output voltage levels with very fast rise-time but relatively slow decay-time. Amplifier clipping or overload is indicated by a flashing right-hand portion of the display. Flashing will continue for approximately 2 seconds after an overload condition.

### Controls:

Independent front panel level controls for each channel, push button power switch, and push button meter range switch.

### Protection:

#### A. Output transistor protection:

Electronic limiters together with power supply fuses prevent excursions into the unsafe operating region, regardless of load conditions.

#### B. Speaker protection:

The amplifier does not provide speaker protection from excessively high-power audio signals. External fusing of the speakers is highly recommended.

#### C. Thermal protection:

Automatic turn-off of the amplifier will take place if operating temperature exceeds 90°C to prevent thermal breakdown.

### Power Requirements:

60 Hz 120 v (U.S.A. & Canadian Models) or 100-120/220-240 v AC, 50/60 Hz.

### Power Consumption:

1200 watts (10 amps) maximum at rated output.

### Dimensions:

19"×7"×10"  
(48.3 cm × 17.8 cm × 25.4 cm)

### Weight Gross:

45 lbs.; 20 kgs.