



### SPECIFICATIONS

**RMS Power Output**  
Both channels driven

- 20 watts x 2 into 8 ohms at 40 Hz - 20,000 Hz
- 23 watts x 2 into 8 ohms at 1,000 Hz
- 26 watts x 2 into 4 ohms at 1,000 Hz
- 30 watts into 8 ohms
- 100 watts into 4 ohms

**Dynamic Power Output**

- 0.6% at rated power into 8 ohms
- 0.1% at 1/2 rated power into 8 ohms at 1,000 Hz
- 0.06% at rated power into 8 ohms
- 0.1% at 1/2 rated power into 8 ohms at 1,000 Hz

**Total Harmonic Distortion**

- 0.06% at rated power into 8 ohms
- 0.1% at 1/2 rated power into 8 ohms at 1,000 Hz

**Power Bandwidth**

- Signal to Noise Ratio at 50 mW
- Damping Factor
- Speaker Impedance

**PRE-AMPLIFIER SECTION**

**Input Sensitivity and Impedance**

- Phono 1: 2.5 mV, 50 K ohms
- Phono 2: 2.5 mV, 50 K ohms
- Tuner: 150 mV, 50 K ohms
- AUX: 150 mV, 50 K ohms
- Tape Play A, B: 150 mV, 50 K ohms
- Mic: 3.0 mV, 50 K ohms

**Maximum Input Voltage (rms)**

- Phono 1, 2: 50 mV, T.H.D. 0.5% at 1,000 Hz

**Signal to noise Ratio (I.H.F. A CURVE)**

- Phono 1, 2: 68 dB
- Tuner: 80 dB
- AUX: 60 dB
- Tape Play A, B: 50 dB
- Mic: 68 dB

**Output Voltage and Impedance**

- Tape Rec. A, B (min): 160 mV, 110 ohms
- 30 mV, 80 K ohms

**Frequency Response**

- Phono 1, 2: RIAA Standard curve ±1.0 dB
- Tuner, AUX, Tape Play: 20 Hz - 40 kHz ±2 dB

**Tone Controls**

- Bass: +10 dB at 100 Hz
- Treble: +10 dB at 10,000 Hz
- Loudness Control (-30 dB): +8 dB at 100 Hz, +5 dB at 10,000 Hz
- Low Filter: 100 Hz
- High Filter: 10 KHz

**GENERAL**

**Switches**

- Speaker Selector: OFF, A, B, A+B
- Input Selector: AUX, TUNER, PHONO1, PHONO2, MIC
- Mute: STEREO, MONO
- Tape Monitor: A, B
- Others: HIGH FILTER, LOW FILTER, LOUDNESS, TONE DEFEAT

**AC Output**

- Switched 1, Unswitched 1

**Power Consumption**

- 160 watts at full power
- 19.5 watts at no signal
- 19.4 W @ 100% DUTY, 11.4-15.0 W @ 1/2 DUTY, 10.3-12.0 W @ 1/4 DUTY

**Dimension**

- 12.7 L x 15.2 K x 4.5 H

