

## SECTION 1

### TECHNICAL DESCRIPTION

#### 1-1. SPECIFICATIONS

##### Power Amplifiers Section

Dynamic power: 70 watts, both channels operating; 8 ohms  
 90 watts, both channels operating; 4 ohms

Continuous RMS power output (Rated output):

At 1 kHz  
 28 watts per channel, 8 ohms  
 35 watts per channel, 4 ohms  
 23 watts per channel both channels operating, 8 ohms  
 27 watts per channel, both channels operating, 4 ohms

Power bandwidth: 10 Hz to 40 kHz, IHF

Harmonic distortion:

Less than 0.5 % at 1 kHz rated output

IM distortion: Less than 0.5 % at rated output

##### Preamplifier Section

Frequency response:

MIC, 20 Hz to 20 kHz  $\pm \frac{0}{3}$  dB  
 PHONO, RIAA curve  $\pm 1$  dB  
 TAPE - 1 }  
 TAPE - 2 } 10 Hz to 60 kHz  
 TUNER }  $\pm 3$  dB  
 AUX }  
 REC/PB }  
 (input) }

Input sensitivity and impedance:

MIC }  
 PHONO } 2 mV 47 k  
 AUX }  
 TUNER }  
 TAPE - 1 } 250 mV 50 k  
 TAPE - 2 }  
 REC/PB }  
 (input) }

Signal output and output impedance:

REC OUT 250 mV 10 k  
 REC/PB 30 mV 82 k (output)

Signal-to-noise ratio:

MIC, greater than 65 dB (weighting network "B")  
 PHONO, greater than 70 dB (weighting network "B")  
 AUX }  
 TUNER } greater than 90 dB  
 TAPE - 1, - 2 } (weighting network "A")  
 REC/PB } (input)

Tone controls:

BASS  $\pm 10$  dB at 100 Hz  
 TREBLE  $\pm 10$  dB at 10 kHz

Filters:

HIGH, 6 dB/oct above 5 kHz

Loudness control:

+ 10 dB at 50 Hz, + 3.5 dB at 10 kHz (volume control attenuation: 30 dB)

##### General

Power consumption:

Approx. 115 W (Canada Model)  
 Approx. 70 W (USA Model)  
 Approx. 165 W (AEP, UK and E Model)

Power requirement:

120 V ac (USA and Canada Model)  
 110, 127, 220, 240 V ac (AEP UK and E Model)

Dimensions:

410 (w) x 120 (h) x 280 (d) mm  
 16 $\frac{1}{8}$  (w) x 4 $\frac{3}{4}$  (h) x 11 $\frac{1}{8}$  (d) inches

Net weight:

6.2 kg (13 lb 9 oz)

Shipping weight:

8.6 kg (18 lb 13 oz)