

### SPECIFICATIONS

#### POWER AMPLIFIER SECTION

**Power Output:**  
30 watts per channel minimum.  
RMS at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.1% total harmonic distortion  
25 watts per channel minimum.  
RMS at 6 ohms from 20 Hz to 20,000 Hz with no more than 0.1% total harmonic distortion (T type)  
35 + 35 watts 8 ohms at 1,000 Hz  
29 + 29 watts 8 ohms at 1,000 Hz (T type)  
38 + 38 watts 4 ohms at 1,000 Hz (DIN 44 watts)  
36 + 36 watts 4 ohms at 1,000 Hz (T type)

**Both channel driven:**  
100 watts 4 ohms (DIN 130 watts)  
0.1% at rated power into 8 ohms  
0.05% at 1 watt into 8 ohms  
0.1% at rated power into 8 ohms  
0.05% at 1 watt into 8 ohms  
20 Hz to 35,000 Hz  
30 at 8 ohms  
Accept 4 ohms to 16 ohms

#### Dynamic Power Output:

(60 Hz : 7 kHz = 4 : 1)

#### Total Harmonic Distortion:

0.05% at 1 watt into 8 ohms

#### Intermodulation Distortion:

(60 Hz : 7 kHz = 4 : 1)

#### Power Bandwidth:

20 Hz to 35,000 Hz

#### Damping Factor:

30 at 8 ohms

#### Speaker Impedance:

Accept 4 ohms to 16 ohms

### PREAMPLIFIER SECTION

#### Input Sensitivity/Impedance/Signal to Noise Ratio (IHF A)

PHONO: 2.5 mV 50 kohms 70 dB

TUNER: 160 mV 50 kohms 90 dB

AUX: 160 mV 50 kohms 90 dB

TAPE: 160 mV 50 kohms 90 dB

Maximum Input Level for Phono 150 mV (rms), T.H.D. 0.1% at 1,000 Hz

Output Level/Impedance 160 mV 240 ohms

TAPE REC (PIN): 30 mV 39 kohms

(DIN): TAPE B

Frequency Response

PHONO: RIAA standard curve  $\pm 0.5$  dB,  $-0.5$  dB

AUX and TAPE: 20 Hz to 30,000 Hz  $\pm 1$  dB,  $-1$  dB

Tone Control

BASS:  $\pm 8$  dB at 100 Hz

TREBLE:  $\pm 8$  dB at 10,000 Hz

Loudness Control ( $-30$  dB):  $\pm 7$  dB at 100 Hz

### GENERAL

Power Requirement: AC 50/60 Hz 110 ~ 120V, 220 ~ 240V switchable

Power Consumption: 250 watts at full power

AC Outlet: Switched 1, Unswitched 2

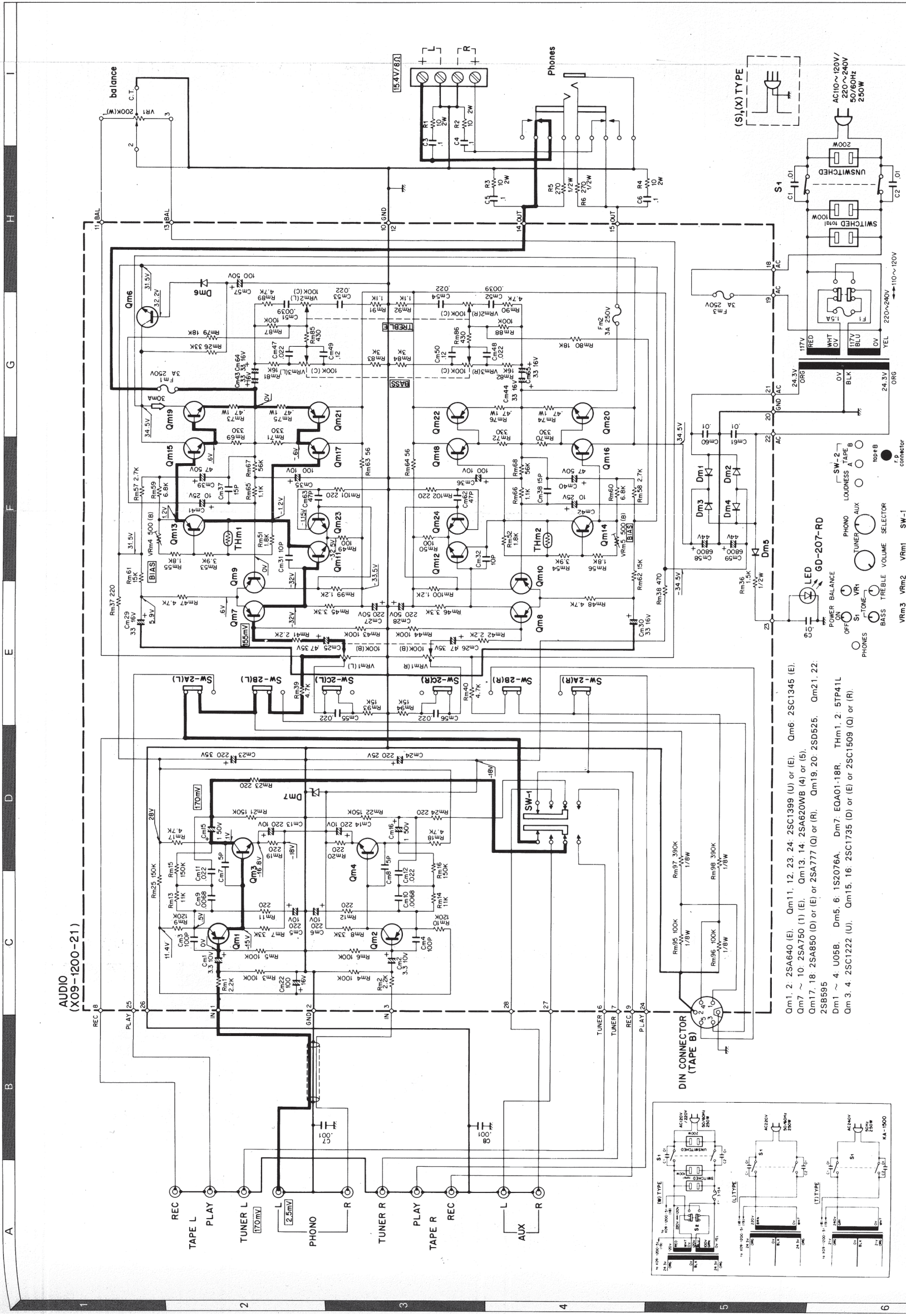
Dimension: W 14.3 1/32" (380 mm), H 5.1 1/2" (140 mm), D 10.7 1/16" (265 mm)

Weight (Net): 14.8 lbs (6.7 kg)

(Gross): 17.0 lbs (7.7 kg)

Weight (Net) (T type): 15.9 lbs (7.2 kg)

(Gross) (T type): 18.0 lbs (8.2 kg)



- Qm1, 2: 2SA640 (E), Qm11, 12, 23, 24: 2SC1399 (U) or (E), Qm6: 2SC1345 (E), Qm7 ~ 10: 2SA750 (1) (E), Qm13, 14: 2SA620WB (4) or (5), Qm17, 18: 2SA850 (D) or (E) or 2SA777 (Q) or (R), Qm19, 20: 2SD525, Qm21, 22: 2SB595  
Dm1 ~ 4: U05B, Dm5, 6: 1S2076A, Dm7: EDA01-18R, Thm1, 2: 5TP41L  
Qm3, 4: 2SC1222 (U), Qm15, 16: 2SC1735 (D) or (E) or 2SC1508 (Q) or (R)