



### SPECIFICATIONS

- FM TUNER SECTION**
- Antenna Impedance: 300 ohms balanced & 75 ohms unbalanced
  - Usable Sensitivity (IHF): 1.8 microvolts
  - Harmonic Distortion: Less than 0.5% at 400 Hz 100% Mod.
  - Signal to Noise Ratio: Better than 65 dB
  - Capture Ratio: 2.5 dB
  - Image Rejection: Better than 70 dB
  - IF Rejection: Better than 100 dB
  - AM Suppression: Better than 55 dB
  - Selectivity (IHF, channel, IHF): 55 dB
  - Stereo Separation: Better than 35 dB at 1,000 Hz
  - Front-end: 2 FETs, 4-gang tuning condenser
  - IF Stage: 2 ICs & 2 Transistors
- AM TUNER SECTION**
- Antenna: Built-in ferrite bar antenna
  - External antenna terminal: 15 microvolts
  - Usable Sensitivity (IHF): Better than 50 dB at 1 mV input
  - Signal to Noise Ratio: Better than 80 dB at 1,000 kHz
  - Image Rejection: Better than 25 dB
  - Selectivity: Better than 25 dB
- AMPLIFIER SECTION**
- Power Output: 188 watts ±1 dB both channels at 4 ohms
  - Dynamic Power Output (IHF): 142 watts ±1 dB both channels at 8 ohms
  - Continuous Power Output: 150 watts both channels at 4 ohms
  - Each Channel Driven: 114 watts both channels at 8 ohms
  - Both channels Driven: 60/60 watts at 4 ohms
  - 45/45 watts at 8 ohms
  - Distortion: Less than 0.5% at rated output
  - Harmonic Distortion: Less than 0.5% at rated output
  - IM Distortion: Less than 0.2% at -3 dB rated output
  - Frequency Response: Main Input: 13 Hz to 70,000 Hz ± 1.5 dB
  - High Level Input: 20 Hz to 30,000 Hz ± 1.5 dB
  - Power Bandwidth (IHF): 18 Hz to 30,000 Hz
  - Input Sensitivity: PHONO 1 (for built-in Changer); 2.5 mV
  - PHONO 2: 2.5 mV
  - MIC: 3 mV
  - AUX: 140 mV
  - TAPE PLAY (Pin jack & DIN Connector): MAIN INPUT: 140 mV
  - PHONO: 100 mV
  - Pin Jack: 140 mV
  - DIN Connector: 25 mV
  - DUBBING: 140 mV
  - Recording Output: 180 mV (P-P 1,000 Hz) at PHONO input
  - Hum & Noise: (below rated output) PHONO: 60 dB
  - MIC: 65 dB
  - DUBBING: 140 mV
  - TAPE PLAY: 70 dB
  - Damping Factor: 30 at 8 ohms
  - Speaker Impedance: 4 to 16 ohms
  - Base Control: ± 10 dB at 100 Hz
  - Treble Control: ± 10 dB at 10,000 Hz
  - Noise Filter: 3,000 Hz cutoff
  - Loudness Control: -8 dB at 100 Hz (at -30 dB)
  - SPEAKERS Switch: POWER OFF, MAIN, REMOTE, MAIN & REMOTE, PHONES
  - SELECTOR Switch: AM, FM AUTO, PHONO 1, PHONO 2/MIC, TAPE
  - Level-Aux Switch: NOISE FILTER, TAPE MONITOR, MODE LOUDNESS
- AUTOMATIC TURNTABLE SECTION**
- Turntable: Dual 1200 Professional Auto Turntable; Three speeds (33 1/3, 45, 78 rpm); Low-mass Tonerarm tracks flawlessly at as low as 1/2 gram; Direct-dial stylus force setting; Anti-skating control; Pitch control; Silicone-damped Cue control; Four-pound Platter; Pickering V-15/LT-3 MICRO-MAGNETIC Cartridge with Diamond Stylus and DUSTAMATIC brush; Stylus force: pre-set at 3 grams
- GENERAL**
- Semiconductors: 2 ICs, 2 FETs, 34 Transistors, 34 Diodes
  - Power Voltage: 110-120 V
  - Power Consumption: 200 watts at full power
  - 40 watts at no signal (including Turntable)
  - Dimensions: 17 1/4" W, 8" H, 18" D (including Changer Spindle)
  - Weight: 35.2 lbs.
  - Supplied Accessories: FM Antenna; Changer Spindle; Single Play Spindle; 45 rpm Single Play Adaptor; Stroboscopic Disc