

SPECIFICATIONS

Power Output:
 Output Power: 225 watts ±1 dB at 4 ohms
 210 watts ±1 dB at 8 ohms
 Dynamic Power (IEQ7): 180 watts at 4 ohms load
 170 watts at 8 ohms load
 Continuous Power: 147 watts frequency from 20–20,000 Hz
 Each channel driven
 16.0 watts at 4 ohms load
 15.0 watts at 8 ohms load
 12.0 watts at 16 ohms load
 4.741 watts at 4 ohms load
 5.043 watts at 8 ohms load
 34.24 watts at 16 ohms load

Harmonic Distortion:
 Less than .5% at rated output from 20 Hz to 50,000 Hz
Intermodulation Distortion: (60 Hz & 7,000 Hz, 4:1)
 Less than .3% at rated output or at any level of less than rated output.
 Less than .1% at -3 dB rated output.

Frequency Response:
 Main Amp Chn: 16 Hz to 50,000 Hz ±1 dB
 High Level Input: 20 Hz to 50,000 Hz ±1 dB

Sensitivity: (See rated output at 8 ohms load)
 Phase 1: 2 mV, 6 mV, 8 mV (operation)
 Phase 2: 2 mV
 Tape Head: 2.3 mV
 MIC: 2 mV
 AUX: 200 mV
 Tuner: 200 mV
 Main Amp Input: 200 mV

Input Impedance: at 1,000 Hz
 Phase 1 (2 mV): 50 K ohms
 Phase 2 (2 mV): 50,000 mV, 200 ohms
 Phase 2: 50 K ohms
 Tape Head: 100 K ohms
 MIC: 100 K ohms
 AUX: 100 K ohms
 Main Amp Input: 50 K ohms

Signal to Noise Ratio: (below rated output)
 Phase 1 (2 mV): 60 dB
 Phase 2 (2 mV): 54 dB
 Phase 2 (0.5 mV): 50 dB
 Phase 2: 60 dB
 Tape Head: 63 dB
 MIC: 67 dB
 AUX, Tuner, Tape Play: 77 dB
 Note: at maximum volume control; 1 mV at 8 ohms or .0125 milliwatts

Output Impedance: (at Speaker Terminals)
 275 ohms at 1,000 Hz
 39 ohms at 50 Hz
 472 ohms at 15,000 Hz

Damping Factor: at 1,000 Hz
 58 at 16 ohms load
 25 at 8 ohms load

Low Filter: (for monitor)
 40 Hz Cutoff, 12 dB per octave
 80 Hz Cutoff, 12 dB per octave

High Filter: (for aural)
 14 kHz Cutoff, 12 dB per octave

Base Control:
 -16 dB at 100 Hz with 2 dB step switch

Treble Control:
 ±16 dB at 20,000 Hz with 2 dB step switch

Inputs: Pair of Phase 1, Phase 2, Tape Head, AUX, Tuner, Tape Play, MIC and Main Amp. Inputs.

Outputs:
 3 pairs of stereo speaker outputs (4 to 16 ohms), pre-amp outputs, Headphone Jack, Low Level MONO output, Tape Recording output, DIN standard Type Pin-Play connector, Switched and Un-switched AC outlets.

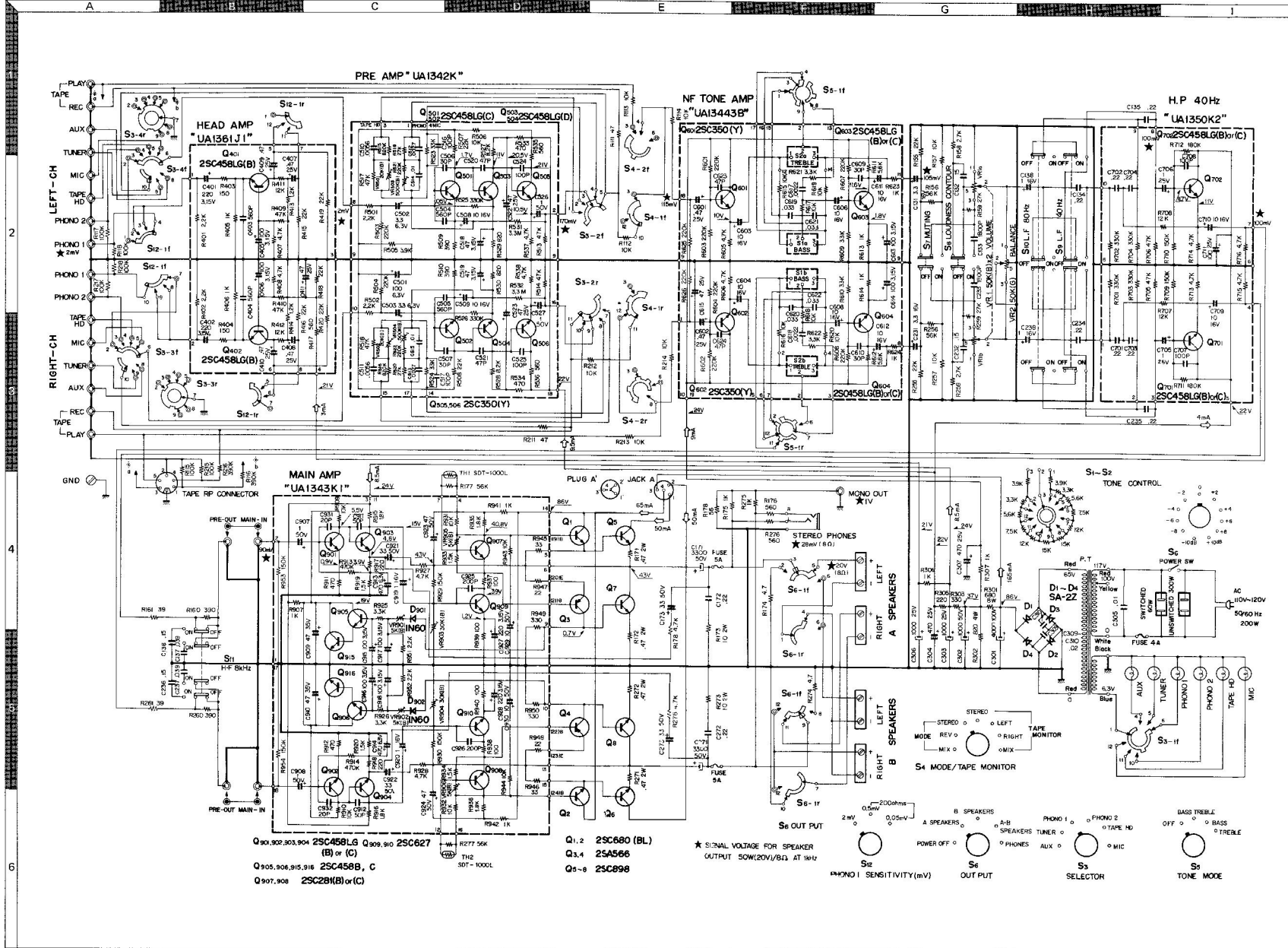
Controls:
 Phase 1 Level Switch, Input Select Switch, Mode/Tape monitor Switch, Tone Mode Switch, Output Selector Switch, Volume Control, Balance Control, Base Control, Treble Control, Muting Switch, Muting Button, 20 dB, Loudness Clearer Switch, Low Filter Switch, and High Filter Switch.

Special Features:
 * U. S. Pat. power transistor protection circuit
 * 2 sets of stereo speaker terminals and front panel speaker selector switch
 * 2 dB step tone control with tone mode switch. (Clarifier, Bass & Treble, Bass only, Treble only)
 * 20 dB muting switch
 * Low level phone input (0.5 mV, 5 mV) for Moving coil type low level output cartridges
 * Light-up indicator
 * Treble output
 * Main amp inputs
 * Stereo phone jack
 * Tape monitor switch

Power Consumption:
 18 watts quiescent, 180 watts at full power

Dimensions: (not including control knobs)
 Width: 16-5/16", Height: 8-5/8", Depth: 11-1/2"

Weight:
 24.5 lbs.



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