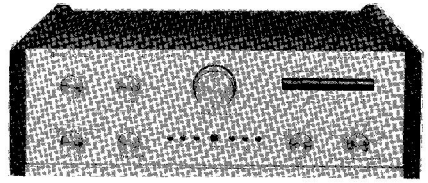
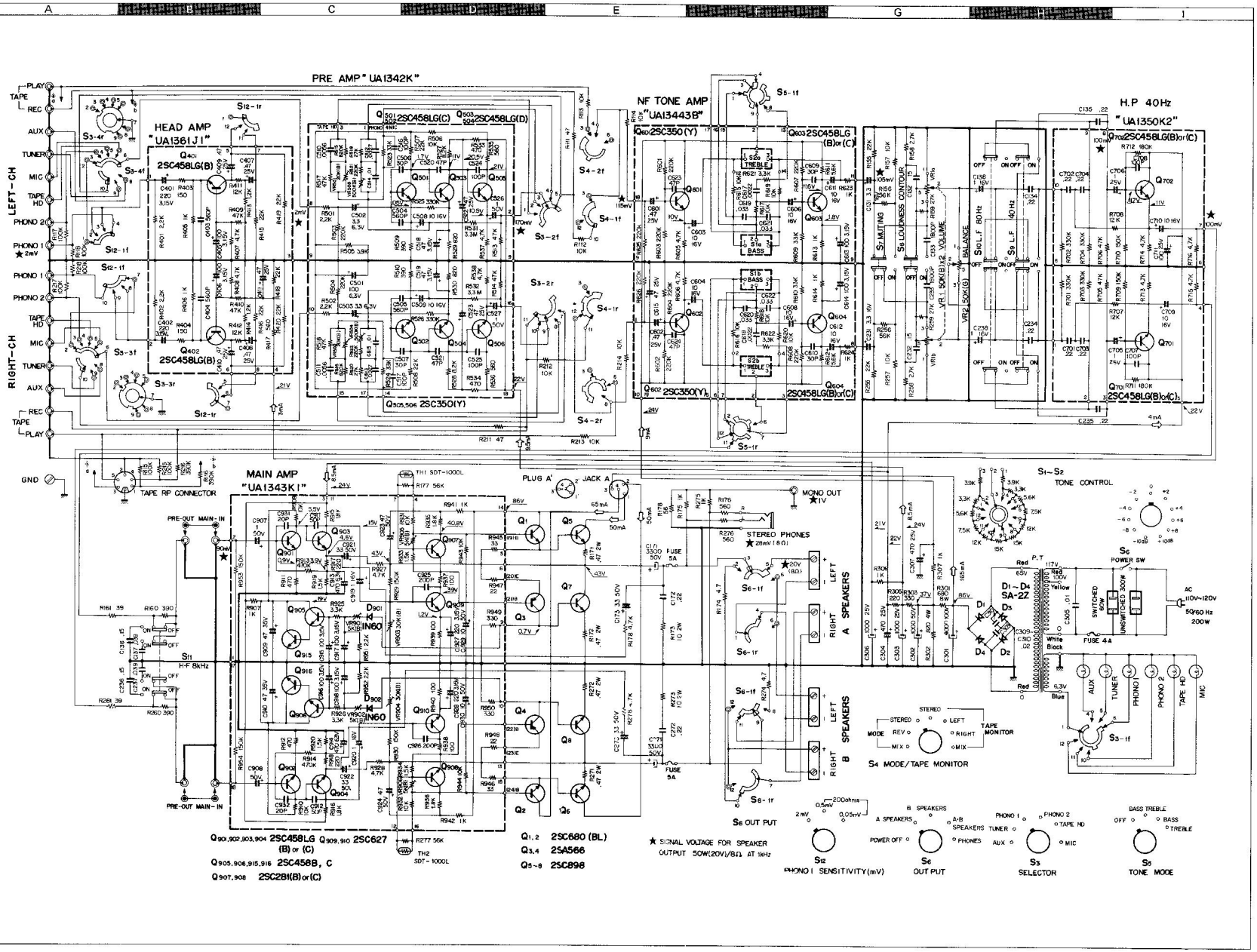
KENWOOD

SOLID STATE STEREO AMPLIFIER

KA-6000





SPECIFICATIONS

Power Output:
Output Power: 225 watts ±1 dB at 4 ohms
210 watts ±1 dB at 8 ohms
Dynamic Power (IHF): 180 watts at 4 ohms load
170 watts at 8 ohms load
Continuous Power: (at any frequency from 20 — 20,000 Hz)
Each channel driven
84/84 watts at 4 ohms load
68/68 watts at 8 ohms load
42/42 watts at 16 ohms load
Both channels driven
41/41 watts at 4 ohms load
45/45 watts at 8 ohms load
34/34 watts at 16 ohms load

Harmonic Distortion:
Less than .5% at rated output from 20 Hz to 20,000 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 Only: 10 Hz to 50,000 Hz ±1 dB
High Level Input: 20 Hz to 50,000 Hz +1 dB

Sensitivity: (for rated output at 8 ohms load)
Phono 1: 2 mV, .5 mV, .05 mV (Switchable)
Phono 2: 2 mV
Tape Head: 2.2 mV
MIC: 2 mV
AUX: 200 mV
Tuner: 200 mV
Tape Play: 200 mV
Main Amp Input: 100 mV

Input Impedance: (at 1,000 Hz)
Phono 1 (2 mV): 50 K ohms
Phono 1 (.5 or .05 mV): 200 ohms
Phono 2: 50 K ohms
Tape Head: 100 K ohms
MIC: 100 K ohms
AUX, Tuner, Tape Play: 100 K ohms
Main Amp Input: 50 K ohms

Signal to Noise Ratio: (below rated output)
Phono 1 (2 mV): 65 dB
Phono 1 (.5 mV): 54 dB
Phono 1 (.05 mV): 45 dB
Phono 2: 65 dB
Tape Head: 63 dB
MIC: 67 dB
AUX, Tuner, Tape Play: 77 dB
Noise at minimum volume control: 1 mV at 8 ohms or .0125 milliwatts

Output Impedance: (at Speaker Terminal)
275 ohms at 1,000 Hz
30 ohms at 50 Hz
275 ohms at 10,000 Hz

Damping Factor: (at 1,000 Hz)
58 at 16 ohms load
29 at 8 ohms load

Loudness Contour:
100 Hz +10 dB
10 kHz +5 dB

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

High Filter: (for scratch)
8,000 Hz Cutoff, 12 dB per octave

Bass Control:
–16 dB at 100 Hz with 2 dB step switch

Treble Control:
±16 dB at 10,000 Hz with 2 dB step switch

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

Outputs:
2 pairs of stereo speaker outputs (4 to 16 ohms), pre-amp outputs, Headphone Jack, Low level MONO output, Tape Recording outputs, DIN standard Tape Rec/Play connector, Switched and Unswitched AC outlets.

Controls:
Phono 1 Level Switch, Input Selector Switch, Mode/Tape monitor Switch, Tone Mode Switch, Output Selector Switch, Volume Control, Balance Control, Bass Control Switch, Treble Control Switch, Muting Switch (–20 dB), Loudness Contour 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 controls with tone mode switch. (Cancel, Bass & Treble, Bass only, Treble only)
- –20 dB muting switch.
- Low level phono input (.05 mV, .5 mV) for Moving coil type or low level output cartridges.
- Light-up input indicators.
- Pre-amp. outputs.
- Main amp. Inputs.
- Stereo phone jack.
- Tape monitor switch.

Power Consumption:
18 watts quiescent, 190 watts at full power

Dimensions: (not including control knobs)
Width 16-5/16", Height 5-5/32", Depth 11-1/32".

Weight:
24.5 Lbs.