



SPECIFICATIONS POWER AMPLIFIER

Power Output:	100 watts per channel minimum. RMS at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.08% total harmonic distortion
Both Channel Driven:	110 watts per channel into 8 ohms at 1,000 Hz 135 watts per channel into 4 ohms at 1,000 Hz
Dynamic Power Output:	520 watts into 4 ohms
Total Harmonic Distortion:	0.08% at rated power into 8 ohms 0.03% at 1 watt power into 8 ohms from 20 Hz to 20,000 Hz
Intermodulation Distortion:	0.08% at rated power into 8 ohms (60 Hz, 7,000 Hz 4 : 1)
Power Bandwidth:	0.03% at 1 watt power into 8 ohms 5 Hz ~ 50,000 Hz
Frequency Response:	DC to 70,000 Hz +0 dB, -1.0 dB
Damping Factor:	50 at 8 ohms
Speaker Impedance:	Accept 4 ohms to 16 ohms
Signal to Noise Ratio (IHF A):	110 dB (Short circuited)
Input Sensitivity, Impedance:	1.0V 100 kohms

PREAMPLIFIER SECTION

Input Sensitivity, Impedance & S/N (IHF A)	
Phono 1:	2.5mV 30, 50 kohms 76 dB (5mV)
Phono 2:	2.5 ~ 5.0mV 50 kohms 76 dB (5mV)
Tuner:	140mV 50 kohms 90 dB
Aux 1, 2:	140mV 50 kohms 90 dB
Tape Play A, B:	140mV 50 kohms 90 dB
Maximum Input Level:	
Phono:	220mV (rms) T.H.D. 0.08% at 1,000 Hz
Output Voltage	
Tape Rec (pin):	140mV
(DIN):	30mV 80 kohms
Frequency Response	
Phono:	RIAA standard curve ± 0.2 dB
Aux, Tape Play:	5 Hz ~ 50,000 Hz ± 0 dB -1.0 dB
Tone Controls	
Bass	150 Hz: ± 7.5 dB at 40 Hz 400 Hz: ± 7.5 dB at 100 Hz 3 kHz: ± 7.5 dB at 10,000 Hz 6 kHz: ± 7.5 dB at 20,000 Hz
Loudness Control (-30 dB):	1: +2 dB at 100 Hz 2: +4 dB at 100 Hz 3: +6 dB at 100 Hz 4: +8 dB at 100 Hz -3 dB at 10,000 Hz
Low Filter:	40 Hz, 12 dB/oct
High Filter:	8,000 Hz, 12 dB/oct
Presence:	800 Hz: +6 dB 3 kHz: +6 dB

GENERAL

Power Requirement:	50/60 Hz 110 ~ 120V, 220 ~ 240V
Power Consumption:	680 watts at full power Switched 2. Unswitched 1
AC outlet:	W 17-5/16" (440 mm) H 6-1/16" (154 mm) D 5-1/32" (388 mm)
Dimensions:	
Weight (Net):	44.4 lbs. (20.2 kg)