Rated Output Power 0.7% THD (FTC) @ rated line voltage > 1 Watt into 16 Ohms.

3% THD (FTC) @ rated line voltage > 18 Watts into 16 Ohms 0.7% THD (FTC) @ rated line voltage > 1 Watt into 8 Ohms 3% THD (FTC) @ rated line voltage > 18 Watts into 8 Ohms

Rated Output Voltage

With continuous sine waves from 20Hz-20KHz @ rated line voltage

24 Volts peak into 16 Ohms, corresponding to 36 Watts peak.

16.97 Volts peak into 8 Ohms, corresponding to 36 Watts peak

0.7% THD (FTC) @ rated line voltage > 1 Watt into 4 Ohms. 3% THD (FTC) @ rated line voltage > 18 Watts into 4 Ohms

12 Volts peak into 4 Ohms, corresponding to 36 Watts peak.

Rated Output Current

with continuous sine waves from 20Hz-20KHz @ rated line voltage

1.5 Amps peak into 16 Ohms, corresponding to 36 Watts peak.

2.1 Amps peak into 8 Ohms, corresponding to 36 Watts peak

3 Amps peak into 4 Ohms, corresponding to 36 Watts peak.

Maximum Output Power

With continuous sine-wave power, at 1 KHz, with no more than 5% THD (FTC) @ rated line voltage:

21 Watts into 16 Ohms.

20 Watts into 8 Ohms

20 Watts into 4 Ohms.

Maximum Output Voltage

ous sine-waves at 1Khz @ rated line voltage:

25.92 Volts peak into 16 Ohms, corresponding to 42 Watts peak

17.89 Volts peak into 8 Ohms, corresponding to 40 Watts peak

12.65 Volts peak into 4 Ohms, corresponding to 40 Watts peak

Maximum Output Current

With continuous sine-waves at 1Khz @ rated line voltage

1.62 Amps peak into 16 Ohms, corresponding to 42 Watts peak

2.24 Amps peak into 8 Ohms, corresponding to 40 Watts peak

3.16 Amps peak into 4 Ohms, corresponding to 40 Watts peak.

Small Signal Frequency Response

(-3dB) 3 Hz, 80 KHz.

Frequency Response

At 18 Watt into 16 Ohms @ rated line voltage:

(-0.3dB) 20 Hz, 20 KHz.

Vout=48 Volts peak-to-peak of square-wave signal into 16 Ohms, F=10KHz @ rated line voltage: 15 Volts per microsecond

Rise Time

Vout=48 Volts peak-to-peak of square-wave signal into 16 Ohms, F=10KHz @ rated line voltage: 2.5 microseconds

Noise

Signal/Noise ratio ref. 4 Volts RMS into 16 Ohms (1 Watt): 2 Hz - 22 KHz: typically 87 dB. | A weighted: typically 90 dB.

Signal/Noise ratio ref. 16.97 Volts RMS into 16 Ohms (18 Watts): 22 Hz - 22 KHz: typically 99.5 dB. | A weighted: typically 102 dB.

Voltage Gain

19.97 + 2% or 26 + 0.2dB into 16 Ohms

14.12 ± 2% or 23 ± 0.2dB into 8 Ohms.

9.98 ± 2% or 19.98 ± 0.2dB into 4 Ohms

IM Distortion

(60Hz:7KHz 4:1) SMPTE

from 1-18 Watts into 16 Ohms @ rated line voltage: no more than 8%

from 1-18 Watts into 8 Ohms @ rated line voltage: no more than 8%

from 1-18 Watts into 4 Ohms @ rated line voltage: no more than 8%

Pseudo-balanced, non-inverting: 3-pin XLR connector

3-pin XLR pin assignment: pin 1 = signal ground; pin 2 = non-inverting signal input; pin 3 = signal ground.

Single-ended, non-inverting: gold plated RCA connector (connected in parallel with pin 2, non-inverting input of XLR connector).

ONLY ONE OF THESE INPUTS SHOULD BE CONNECTED TO A PREAMPLIFIER AT THE SAME TIME!

Input Sensitivity

Outputs Three sets of gold plated binding posts for 4-, 8-, and 16-Ohm loads.

At 1 KHz:

typically 1.68 Ohms; 16-Ohm tap.

typically 0.84 Ohms; 8-Ohm tap

typically 0.42 Ohms; 4-Ohm tap.

from 30 Hz - 20 KHz:

typically 1.68 ± 0.14 Ohms; 16-Ohm tap.

typically 0.84 ± 0.07 Ohms; 8-Ohm tap typically 0.42 ± 0.035 Ohms; 4-Ohm tap.

Damping Factor

typically 9.5 re: 16-Ohm load.

typically 9.5 re: 8-Ohm loac

typically 9.5 re: 4-Ohm load.

typically 9.5 ± 0.7 re: 16-Ohm load.

typically 9.5 ± 0.7 re: 8-Ohm load typically 9.5 ± 0.7 re: 4-Ohm load.

Operating Temperature

erating Temperature: +23 to +104 degrees Fahrenheit (-5 to +40 degrees Celsius) ar

Grounding

Grounding (earthing) post and chassis connected to mains earthing.

Power Supply

AC voltage intensively filtered by special RFI power line filter

Power Supply Energy Storage

wer Supply Energy Storage: Approximately 160 joules

Front Panel Controls

Rear Panel Connectors and Controls

Rear Panel Connectors and Controls:

AC POWER SWITCH. AC POWER INLET.

AC MAINS FUSE along with the corresponding fuse holder.

Two DC POWER JACKS (central pin 2mm dia.) for connecting remote control/link cables.

Two DC power jacks (central pin 2mm dia.) for connecting remote link cables.

MULTITURN TRIMMING POTENTIOMETER for setting the nominal value of plate voltage of the output tube.

MULTITURN TRIMMING POTENTIOMETER for setting the nominal value of plate current of the output tube.

Set of testpoints for measuring the value of plate voltage of the output tube by using the external voltmeter.

Set of testpoints for measuring the value of plate current of the output tube by using external voltmeter.

One input RCA connector, gold-plated (located on the left side of the chassis). One input XLR connector, gold-plated (located on the left side of the chassis).

AC voltage selector: 100/120/220/230/240 Volts internally switchable

Wide-band output transformer:
Custom-made toxodial power transformer has no mechanical contact with either the
transformer cover of the chassis, as transformer is suspended in a special encapsulant which
almost completely absorbs even the residual mechanical vibrations. This plays a significant
for in assuring the absolutely unique clarity and micro-resolution during sound reproduction

Remote control: Power on/off, Available remote link cable coordinates the remote functions of two or more amplifiers.

Safety/Protection:

"Safet start" circuit protects power supply components from large in-rush currents when the
amplifier is turner don Unique delay time and electronic protection circuits secure the delay
amplifier is turner don't unique delay time and electronic protection circuits secure the delay
the tube life span and excludes the unpresent through or transless in the system during the
amplifier turn on circl's hemail resetting five controls internal temporature of the power
transformer. Threshold: 246 degrees Fahrenheit (120 degrees Celcius)

General

Power Consumption: Typically 245 Watts @ rated output @ 16 (8,4) Ohms

Burn-in Time at Factory: Minimum 72 hours.

Recommended Burn-in Time in End-user's System: Minimum 200 hours. Warm-up time: Minimum 45 minutes.

Unit dimensions: 8.25 inches (21cm) high \times 16 inches (40.64cm) wide \times 20.375 inches (51.75cm) deep [add 1.3125 inches (3.3cm) of depth for handles located on rear panel]

Crate dimensions: 26° x 21° x 14° (66.04cm x 53.34cm x 35.56cm)

Shipping weight: 107 Lbs (48.6 Kg).

Tube Complement Amplifier section:
- one 12AX7/ECC83, first amplification stage;
- two 6N6P, second amplification stage;
- one 6C33C-B, output stage. NOTE: we recommend replacing 6N6P tubes about once every two years to maintain the best performance of the amplifier.

Tube Complement voltage regulation section:
• one 5651, voltage reference tube.
• one 6AK5/5654, voltage regulator tube;
• one 6C33C-B, voltage regulator tube.