

Rated Output Power	
minimum continuous sine-wave power, from 20Hz-20KHz, with no more than:	
0.7% THD @rated line voltage 3% THD @ rated line voltage	1 Watt into 16 Ohms 18 Watts into 16 Ohms
0.7% THD @rated line voltage 3% THD @ rated line voltage	1 Watt into 8 Ohms 18 Watts into 8 Ohms
0.7% THD @ rated line voltage 3% THD @ rated line voltage	1 Watt into 4 Ohms 18 Watts into 4 Ohms
Rated Output Voltage	
with continuous sine waves, from 20Hz-20KHz @ rated line voltage	<ul style="list-style-type: none"> <li>24 Volts peak into 16 Ohms, corresponding to 36 Watts peak.</li> <li>16.97 Volts peak into 8 Ohms, corresponding to 36 Watts peak.</li> <li>12 Volts peak into 4 Ohms, corresponding to 36 Watts peak.</li> </ul>
Rated Output Current	
with continuous sine waves, from 20Hz-20KHz @ rated line voltage	<ul style="list-style-type: none"> <li>1.5 Amps peak into 16 Ohms, corresponding to 36 Watts peak.</li> <li>2.12 Amps peak into 8 Ohms, corresponding to 36 Watts peak.</li> <li>3 Amps peak into 4 Ohms, corresponding to 36 Watts peak.</li> </ul>
Maximum Output Power	
maximum continuous sine-wave power, at 1KHz, with no more than 5% THD (FTC) @ rated line voltage	<ul style="list-style-type: none"> <li>21 Watts into 16 Ohms</li> <li>20 Watts into 8 Ohms</li> <li>20 Watts into 4 Ohms</li> </ul>
Maximum Output Voltage	
with continuous sine waves, at 1KHz, @ rated line voltage	<ul style="list-style-type: none"> <li>25.92 Volts peak into 16 Ohms, corresponding to 42 Watts peak.</li> <li>17.89 Volts peak into 8 Ohms, corresponding to 40 Watts peak.</li> <li>12.65 Volts peak into 4 Ohms, corresponding to 40 Watts peak.</li> </ul>
Maximum Output Current	
with continuous sine waves, at 1KHz, @ rated line voltage	<ul style="list-style-type: none"> <li>1.62 Amps peak into 16 Ohms, corresponding to 42 Watts peak.</li> <li>2.24 Amps peak into 8 Ohms, corresponding to 40 Watts peak.</li> <li>3.16 Amps peak into 4 Ohms, corresponding to 40 Watts peak.</li> </ul>
Small Signal Frequency Response	
at 1 Watt into 16 Ohms @ rated line voltage	(-3dB) 3 Hz, 80 KHz
Frequency Response	
at 18 Watts into 16 Ohms @ rated line voltage	(-0.3dB) 20 Hz, 20 KHz
Slew Rate	
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
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	no more than 8%
Voltage Gain	
Voltage Gain	21.9 ± 2% or 26.81 ± 0.2dB
Inputs	
Pseudo-balanced, non-inverting	3-pin XLR connector
Single-ended, non-inverting	gold plated RCA connector
Input Sensitivity	
Input Sensitivity	0.775 Volts RMS ± 2% for 18 Watts into 16, 8, and 4 Ohms
Input Impedance	
Input Impedance	41 KOhms shunted by 470pF
Outputs	
Outputs	Three sets of gold plated, five-way binding posts
Output Impedance	
at 1KHz	Typically 1.68 Ohms
Output Impedance	
from 20Hz-20KHz	Typically 1.68 (±0.14) Ohms
Damping Factor	
at 1KHz	Typically 9.5 re: 16 Ohms
Damping Factor	
from 20Hz-20KHz	Typically 9.5 (±0.7) re: 16 Ohms
Grounding	
Grounding	Grounding (earthing) post and chassis connected to mains earthing
Power Supply	
nominal line voltage	100-240 Volts, 50/60Hz
Input voltage range	±10%
	One power transformer, two filter chokes, five separate power supplies, including high current vacuum tube voltage regulator for the output stage
	AC voltage intensively filtered by special RFI power line filter
Power Supply Energy Storage	
Power supply energy storage	approximately 160 joules
Front/Rear Panel Controls and Chassis Connectors and Controls	
Front Panel Controls	LED control.
Rear Panel Connectors and Controls	POWER ENTRY MODULE that includes power cord socket (3 lug), mains voltage selector, mains fuse holder and power line filter
	Three sets of gold plated, five-way BINDING POSTS
	GROUNDING (EARTHING) POST, gold-plated
Chassis Connectors and Controls	<ul style="list-style-type: none"> <li>MULTITURN TRIMMING POTENTIOMETER for setting the nominal value of plate voltage of the output tube</li> <li>MULTITURN TRIMMING POTENTIOMETER for setting the nominal value of plate current of the output tube</li> <li>Set of testpoints for measuring the value of plate voltage of the output tube by using the external voltmeter</li> <li>Set of testpoints for measuring the value of plate current of the output tube by using external voltmeter</li> <li>One input RCA connector, gold-plated (located on the left side of the chassis)</li> <li>One input XLR connector, gold-plated (located on the left side of the chassis)</li> </ul>
Features	
AC voltage selector	100/120/220/240 Volts, externally switchable
Ultra low-noise power transformer	Custom-made toroidal power transformer has no mechanical contact with either the transformer cover or the chassis, as transformer is suspended in a special encapsulant which almost completely absorbs even the residual mechanical vibrations. This plays a significant role in assuring the absolutely unique clarity and microresolution during sound reproduction.
Ultra wide-band output transformer	Custom-made output transformer especially designed for handling high current low impedance output tubes and assuring reproduction of audio frequencies from approximately 15 Hz to 70-80 KHz at any level of output power up to the maximum specified power
Safety/Protection	"Soft-start" circuit protects power supply components from large in-rush currents when the amplifier is turned on.
	Unique delay time and electronic protection circuits secure the delay of approximately 2 minutes in supplying the plate voltage to the output tube, which extends the tube life time and excludes the unpleasant thumps or transients in the system during the amplifier turn on/off.
	Thermal resetting fuse controls internal temperature of the power transformer.
	Threshold: 275 degrees Fahrenheit (135 degrees Celcius)
	Fuses: 6.25 Amps slo-blo for 100/120 volts, 3 Amps slo-blo for 220/240 Volts, 2 Amps slo-blo (internally mounted)
General	
Power Consumption	Typically 300 Watts @ rated output @ 16 (8,4) Ohms and at idle
Burn-in Time at Factory	Minimum 72 hours.
Dimensions	8.25 inches (21cm) high x 16 inches (40.64cm) wide x 20.375 inches (51.75cm) deep [add 0.9375 inches (2.38cm) of depth for binding and grounding posts located on rear panel]
Unit weight	68 Lbs. (30.87 Kg).
Shipping weight	94 Lbs. (42.86 Kg).
Tube Complement	<p><u>Amplifier section:</u> one 12AX7/ECC83, first amplification stage; one 6N6P, second amplification stage; one 6C33C-B, output stage.</p> <p><u>Voltage regulation section:</u> one 6AK5/5654, voltage regulator tube; one 6C33C-B, voltage regulator tube; one 5651, voltage reference tube.</p>