

<b>Rated Output Power</b>	
minimum continuous sine-wave power, from 20Hz-20KHz, with no more than:	
0.3% THD @rated line voltage 2% THD @ rated line voltage	1 Watt into 8 Ohms 80 Watts into 8 Ohms
0.3% THD @rated line voltage 2% THD @ rated line voltage	1 Watt into 4 Ohms 80 Watts into 4 Ohms
0.3% THD @rated line voltage 2% THD @ rated line voltage	1 Watt into 2 Ohms 80 Watts into 2 Ohms
<b>Rated Output Voltage</b>	
with continuous sine waves, from 20Hz-20KHz @ rated line voltage	<ul style="list-style-type: none"> <li>35.78 Volts peak into 8 Ohms, corresponding to 160 Watts peak.</li> <li>25.3 Volts peak into 4 Ohms, corresponding to 160 Watts peak.</li> <li>17.89 Volts peak into 2 Ohms, corresponding to 160 Watts peak.</li> </ul>
<b>Rated Output Current</b>	
with continuous sine waves, from 20Hz-20KHz @ rated line voltage	<ul style="list-style-type: none"> <li>4.47 Amps peak into 8 Ohms, corresponding to 160 Watts peak.</li> <li>6.32 Amps peak into 4 Ohms, corresponding to 160 Watts peak.</li> <li>8.94 Amps peak into 2 Ohms, corresponding to 160 Watts peak.</li> </ul>
<b>Maximum Output Power</b>	
with continuous sine-waves, from 20Hz-20KHz, with no more than 5% THD (FTC) @ rated line voltage	<ul style="list-style-type: none"> <li>90 Watts into 8 Ohms</li> <li>90 Watts into 4 Ohms</li> <li>90 Watts into 2 Ohms</li> </ul>
<b>Maximum Output Voltage</b>	
with continuous sine waves, from 20Hz-20KHz, @ rated line voltage	<ul style="list-style-type: none"> <li>37.95 Volts peak into 8 Ohms, corresponding to 180 Watts peak.</li> <li>26.83 Volts peak into 4 Ohms, corresponding to 180 Watts peak.</li> <li>18.97 Volts peak into 2 Ohms, corresponding to 180 Watts peak.</li> </ul>
<b>Maximum Output Current</b>	
with continuous sine waves, from 20Hz-20KHz, @ rated line voltage	<ul style="list-style-type: none"> <li>4.74 Amps peak into 8 Ohms, corresponding to 180 Watts peak.</li> <li>6.71 Amps peak into 4 Ohms, corresponding to 180 Watts peak.</li> <li>9.49 Amps peak into 2 Ohms, corresponding to 180 Watts peak.</li> </ul>
<b>Small Signal Frequency Response</b>	
at 1 Watt into 8 Ohms @ rated line voltage	(-3dB) 4 Hz, 82 KHz
<b>Frequency Response</b>	
at 80 Watts into 8 Ohms @ rated line voltage	(-0.3dB) 20 Hz, 20 KHz
<b>Slew Rate</b>	
Vout=70 Volts peak-to-peak of square-wave signal into 8 Ohms, F=10KHz @ rated line voltage	10 Volts per microsecond
<b>Rise Time</b>	
Vout=70 Volts peak-to-peak of square-wave signal into 8 Ohms, F=10KHz @ rated line voltage	6 microseconds
<b>IM Distortion (60Hz:7KHz 4:1) SMPTE:</b>	
from 1-80 Watts into 8 Ohms @ rated line voltage	no more than 5%
from 1-80 Watts into 4 Ohms @ rated line voltage	no more than 5%
from 1-80 Watts into 2 Ohms @ rated line voltage	no more than 5%
<b>Voltage Gain</b>	
Voltage Gain	21.2 ± 2% or 26.5 ± 0.2dB
<b>Inputs</b>	
Pseudo-balanced, non-inverting	3-pin XLR connector
Single-ended, non-inverting	gold plated RCA connector
<b>Input Sensitivity</b>	
Input Sensitivity	1.2 Volts RMS ± 2% for 80 Watts into 8, 4, and 2 Ohms
<b>Input Impedance</b>	
Input Impedance	41 KOhms shunted by 470pF
<b>Outputs</b>	
Outputs	Three sets of gold plated, five-way binding posts
<b>Output Impedance</b>	
from 80Hz-20KHz	Typically 1.14 Ohms
<b>Output Impedance</b>	
from 20Hz-20KHz	Typically 1.14 (+0.1/-0.0) Ohms
<b>Damping Factor</b>	
from 80Hz-20KHz	Typically 7 re: 8 Ohms
<b>Damping Factor</b>	
from 20Hz-20KHz	Typically 7 (+0.0/-0.5) re: 8 Ohms
<b>Grounding</b>	
	Grounding (earthing) post and chassis connected to mains earthing
<b>Power Supply</b>	
nominal line voltage	100-240 Volts, 50/60Hz
Input voltage range	±10%
	One power transformer, three filter chokes, six separate power supplies
	AC voltage intensively filtered by special RFI power line filter
<b>Power Supply Energy Storage</b>	
Power supply energy storage	approximately 235 joules
<b>Front/Rear Panel Controls and Chassis Connectors and Controls</b>	
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	POWER switch
	BIAS TEST-AC switch connected to meter M1 and, through this meter, allowing to either measure the mains voltage or run the 'BIAS TEST', depending on the switch position
	BIAS-BAL switch connected to the output tubes and, through meter M1, allowing to measure their bias voltage and balance
	METER M1 for measuring the mains voltage, bias voltage and balance of the output tubes
	METER M2 for measuring idle and maximum plate current of the output tubes, as well as to control the instantaneous value of plate current during operation
	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 on the chassis)
<b>Features</b>	
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.
Meters	The amplifier is equipped with two meters which, together with the corresponding switches, allow to control the mains (AC) voltage, bias and balance, as well as plate current, of the output tubes
Safety/Protection	"Soft-start" circuit protects power supply components from large in-rush currents when the amplifier is turned on.
	Unique protection time and electronic protection circuits secure the delay of approximately 2 minutes in supplying the plate voltage to the output tubes, 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, 2.5 Amps fast-acting (internally mounted)
<b>General</b>	
Power Consumption	<ul style="list-style-type: none"> <li>Typically 195 Watts at idle</li> <li>280 Watts @ rated output @ 8 (4.2) Ohms</li> <li>300 Watts @ maximum output @ 8 (4.2) Ohms</li> </ul>
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	70 Lbs. (31.78 Kg).
Shipping weight	96 Lbs. (43.58 Kg).
Tube Complement	<ul style="list-style-type: none"> <li>one 12AX7/ECC83, first amplification stage;</li> <li>one 12BH7A, second amplification stage;</li> <li>two 6C33C-B, output stage.</li> </ul>