## HIGH IMPEDANCE SETTING minimum continuous sine-wave power, from 20Hz-20KHz with no more than: 0.3% THD (FTC) @ rated line voltage > 220 Watts into 8 Ohms (41 Watts Class A operation). from 0.1-220 Watts into 8 Ohms @ rated line voltage: no more than 1% 0.3% THD (FTC) @ rated line voltage > 440 Watts into 4 Ohms (20.5 Watts Class A operation from 0.1-440 Watts into 4 Ohms @ rated line voltage: no more than 13 0.5% THD (FTC) @ rated line voltage > 700 Watts into 2 Ohms (10.25 Watts Class A operation). from 0.1-700 Watts into 2 Ohms ⊕ rated line voltage: no more than 1% from 0.1-900 Watts into 1 Ohm @ rated line voltage: no more than 1% 1% THD (FTC) @ rated line voltage > 900 Watts into 1 Ohm (5.125 Watts Class A operation LOW IMPEDANCE SETTING minimum continuous sine-wave power, from 20Hz-20KHz with no more than: LOW IMPEDANCE SETTING (60Hz:7KHz 4:1) SMPTE: 0.3% THD (FTC) @ rated line voltage: 220 Watts into 4 Ohms (41 Watts Class A operation). from 0.1-220 Watts into 4 Ohms @ rated line voltage: no more than 1% 0.5% THD (FTC) @ rated line voltage: 440 Watts into 2 Ohms (20.5 Watts Class A operation) from 0.1-440 Watts into 2 Ohms @ rated line voltage: no more than 13 1% THD (FTC) @ rated line voltage: 600 Watts into 1 Ohm (10.25 Watts Class A operation). from 0.1-600 Watts into 1 Ohm @ rated line voltage: no more than 1% Rated Output Power Voltage Gain HIGH IMPEDANCE SETTING With continuous sine waves from 20Hz-20KHz @ rated line voltage: 59.33 Volts peak into 8 Ohms, corresponding to 440 Watts peak. BALANCED 3-pin gold-plated XLR connector. Pin assignmen 59.33 Volts peak into 8 Ohms, corresponding to 440 Watts pea 52.92 Volts peak into 2 Ohms, corresponding to 1,400 Watts peak. pin 1 = signal ground; 42.43 Volts peak into 1 Ohm, corresponding to 1,800 Watts peak pin 2 = non-inverting input (+); LOW IMPEDANCE SETTING with continuous sine waves from 20Hz-20KHz @ rated line voltage pin 3 = inverting input (-). brass gold plated single-ended RCA connector (connected in parallel with pin 2 of XLR connector). 41.96 Volts peak into 4 Ohms, corresponding to 440 Watts peak. 41.96 Volts peak into 2 Ohms, corresponding to 880 Watts pe 40 Volts peak into 1 Ohm, corresponding to 1,600 Watts peak. brass gold plated single-ended RCA connector (connected in parallel with pin 3 of XLR connector). Rated Output Power HIGH IMPEDANCE SETTING with continuous sine waves from 20Hz-20KHz @ rated line voltage: Input Sensitivity 7.42 Amps peak into 8 Ohms, corresponding to 440 Watts peak. HIGH IMPEDANCE SETTING 14.84 Amps peak into 4 Ohms, corresponding to 880 Watts peak 1.076 Volts RMS ± 2% for 220 Watts into 8 Ohms. 26.46 Amps peak into 2 Ohms, corresponding to 1,400 Watts peak. LOW IMPEDANCE SETTING 0.761 Volts RMS ± 2% for 220 Watts into 4 Ohms. 42.43 Amps peak into 1 Ohm, corresponding to 1,800 Watts peak LOW IMPEDANCE SETTING with continuous sine waves from 20Hz-20KHz @ rated line voltage: 0.761 Volts RMS ± 2% for 220 Watts into 2 Ohms 0.628 Volts RMS ± 2% for 600 Watts into 1 Ohm. 10.49 Amps peak into 4 Ohms, corresponding to 440 Watts peak. Input Impedance 20.98 Amps peak into 2 Ohms, corresponding to 880 Watts pea 40 Amps peak into 1 Ohm, corresponding to 1,200 Watts peak. Outputs Maximum (clipping) Output Power Two sets of brass gold plated binding posts HIGH IMPEDANCE SETTING Continuous 1 KHz sine-wave power with no more than: Output Impedance At 1 KHz: typically 0.098 0hm. From 20 Hz - 20 KHz: typically 0.098 ± 0.007 0h 1% THD (FTC) @ rated line voltage: 280 Watts into 8 Ohms. 1% THD (FTC) @ rated line voltage: 480 Watts into 4 Ohms 1% THD (FTC) @ rated line voltage: 780 Watts into 2 Ohms. Damping Factor at 1 KHz: typically 82 re: 8 Ohm. From 20 Hz - 20 KHz: typically 82 ± 8 re: 8 Ohm 1% THD (FTC) @ rated line voltage: 1,000 Watts into 1 Ohm. LOW IMPEDANCE SETTING Continuous 1 KHz sine-wave power with no more than: 1% THD (FTC) @ rated line voltage: 300 Watts into 4 Ohms. 1% THD (FTC) @ rated line voltage: 500 Watts into 2 Ohms 1% THD (FTC) @ rated line voltage: 780 Watts into 1 Ohm. unding: Separated ground and earth. Floating chassis connected to mains earthing Maximum (clipping) Output Voltage wPEDANCE SETTING ntinuous 1 KHz sine wave @ rated line voltage ninal line voltage: 100-240 Volts 50/60Hz. Input voltage range: ±10% Two power transformers two filter chokes eight separate power supplies. 66.93 Volts peak into 8 Ohms, corresponding to 560 Watts 61.97 Volts peak into 4 Ohms, corresponding to 960 Watts peal 55.86 Volts peak into 2 Ohms, corresponding to 1,560 Watts peak. Power Supply Energy Storage 44.72 Volts peak into 1 Ohm, corresponding to 2,000 Watts pea LOW IMPEDANCE SETTING With continuous 1 KHz sine wave @ rated line voltage Front Panel Controls 49 Volts peak into 4 Ohms, corresponding to 600 Watts peak. 44.72 Volts peak into 2 Ohms, corresponding to 1,000 Watts peak Front Panel Controls: 39.5 Volts peak into 1 Ohm, corresponding to 1,560 Watts peak. LED control. Rear Panel Connectors and Controls Maximum (clipping) Output Current Rear Panel Connectors and Controls HIGH IMPEDANCE SETTING With continuous 1 KHz sine wave @ rated line voltage: 8.37 Amps peak into 8 Ohms, corresponding to 560 Watts peak. AC POWER INLET. 15.5 Amps peak into 4 Ohms, corresponding to 960 Watts peak 27.93 Amps peak into 2 Ohms, corresponding to 1,560 Watts peak. AC MAINS FUSE along with the corresponding fuse holder One input XLR connector gold-plated. 44.72 Amps peak into 1 Ohm, corresponding to 2,000 Watts peak LOW IMPEDANCE SETTING With continuous 1 KHz sine wave @ rated line volta Two sets of gold-plated SPEAKER BINDING POSTS. 12.25 Amps peak into 4 Ohms, corresponding to 600 Watts peak. Two DC power jacks (central pin 2mm dia.) for connecting remote link cables 22.36 Amps peak into 2 Ohms, corresponding to 1,000 Watts peal EARTHING (GROUNDING) post gold-plated. 39.5 Amps peak into 1 Ohm, corresponding to 1,560 Watts peak. Small Signal Frequency Response AC voltage selector: 100/120/220/230/240 Volts internally switchable. Transformer hum reducer: Special circuit reduces power transformer core saturation and residual mechanical hum. At 1 Watt into 8 Ohms @ rated line voltage: (+0; -3dB) 4 Hz - 155 KHz 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 supended in a pecicle encapaciant that almost completely absorts even the residual mechanical vibrations. This plays a significant role in assuring the absolutely unique or and micro-resolution during sound reproduction. LOW IMPEDANCE SETTING With continuous 1 KHz sine wave @ rated line voltage at 1 Watt into 4 Ohms @ rated line voltage: (+0; -3dB) 4 Hz - 155 KHz. Remote control: Power on/off, Available remote link cable coordinates the remote functions of two or more amplifiers. Frequency Response HIGH IMPEDANCE SETTING Safety/Protection: "Soft-start" circuit protects power supply components from large in-rush currents when the amplifier is turned on. At 220 Watt into 8 Ohms @ rated line voltage: (+0; -3dB) 4 Hz - 155 KHz. LOW IMPEDANCE SETTING With continuous 1 KHz sine wave @ rated line voltage: Thermal resetting fuse connected in series with AC mains fuse controls heat-sink temperature. at 220 Watt into 4 Ohms @ rated line voltage: (+0; -3dB) 4 Hz - 155 KHz. Threshold: 176 degrees Fahrenheit (80 degrees Celsius) Slew Rate Thermal resetting fuse controls internal temperature of the power transformer. Vout = 118.66 Volts peak-to-peak of square-wave signal into 8 Ohms F=10KHz ⊕ rater voltage: 42 Volts per microsecond Threshold: 248 degrees Fahrenheit (120 degrees Celsius) Rise Time Vout = 118.66 Volts peak-to-peak of square-wave signal into 8 Ohms F=10KHz ⊕ rated line voltage: 2.2 microseconds 8 Amps slo-blo for 100/120 Volts (4 Amps slo-blo for 220/230/240 Volts); 0.125 Amps slo-blo for 100/120/220/230/240 Volts Internally mounted Signal/Noise ratio ref. 2.83 Volts RMS into 8 Ohms (1 W): 22 Hz - 22 KHz: typically 72.5 dB | A weighted: typically 78.2 dB General Signal/Noise ratio ref. 41.95 Volts RMS into 8 Chms (110 W): 22 Hz - 22 KHz: typically 96 dB | A weighted: typically 101.5 dB Nominal: Typically 280 Watts @ rated output @ 8(4) Ohms (class A operation) and at idle. imum: Typically 1000 Watts @ rated output @ 1 Ohm (low impedance setting Burn-in Time at Factory: Minimum 72 hours. Warm-up time: Minimum 35 minutes. DIMENSIONS 8.25"(21cm) H x 17"(43.2cm) W x 19.5"(49.5cm) D [add 2.8125\*(7.14cm) of depth for front and rear handles]. Unit weight: 71 Lbs (32.2 Kg). Shipping weight: 97.4 Lbs (44.2 Kg).

Tube Complement: V101 - 6922 (second amplification stage)

IM Distortion

Rated Output Power