

Technical Specification

MODEL	VI50-L	V200	V500	V800
Power Output at Clipping	105 watts RMS into 8 ohms at 1 KHz 150 watts RMS into 4 ohms.	65 watts RMS into 8 ohms, both channels driven at 1 KHz. 100 watts RMS into 4 ohms, both channels driven.	250 watts RMS into 4 ohms, 1 KHz, both channels driven. 150 watts RMS into 8 ohms	400 watts RMS into 4 ohms, 1 KHz, both channels driven. 260 watts RMS into 8 ohms
Balanced Line Output	100 watts RMS at 1 KHz into 100 ohms at less than 0.1% THD. (100 volt line output) transformer coupled.	N/A	60 volt balanced line (bridged mono)	80 volt balanced line (bridged mono)
Rated Power Output per Channel	100 watts RMS into 8 ohms with less than 0.03% THD over a bandwidth of 30Hz to 20KHz. 100 watts RMS into 8 ohms at 1 KHz at less than 0.02% THD.	60 watts RMS into 8 ohms at <0.03% THD over a bandwidth of 20Hz to 20KHz per channel both channels driven. 60 watts RMS into 8 ohms at 1 KHz at 0.02% THD, both channels driven.	150 watts RMS into 8 ohms at <0.03% THD over a bandwidth of 20Hz to 20KHz, both channels driven. 245 watts RMS into 4 ohms at 1 KHz at <0.02% THD both channels driven.	250 watts RMS into 8 ohms at <0.03% THD over a bandwidth of 20Hz to 20KHz, both channels driven. 390 watts RMS into 4 ohms 1 KHz at <0.02% THD both channels driven.
Frequency Response	100V-line output - 3dB 30Hz to 10 KHz 4-16 ohms output +0, -1.0dB 30Hz to 50KHz	+0, -1.0 dB 10Hz to 50KHz	+0, -1.0dB 10Hz to 50KHz	+0, -1.0dB 10Hz to 50KHz
Total Harmonic Distortion	Less than 0.02% at 100 watts, 8 ohms, 1 KHz. Less than 0.03% at 100 watts 8 ohms 30Hz to 20KHz.	Less than 0.02% at 60 watts into 8 ohms, 1 KHz. Less than 0.03% at 60 watts 8 ohms 20Hz to 20KHz	Less than 0.02% at 245 watts into 4 ohms 1 KHz less than 0.03% at 150 watts 8 ohms 20Hz to 20KHz	Less than 0.02% at 390 watts into 4 ohms, 1 KHz. Less than 0.03% at 250 watts 8 ohms 20 Hz to 20KHz
Intermodulation Distortion	Less than 0.03% using frequencies of 50Hz and 7KHz in 4:1 ratio at 100 watts into 8 ohms.	Less than 0.03% using frequencies of 50Hz and 7KHz in 4:1 ratio at 60 watts per channel into 8 ohms.	Less than 0.03% using frequencies of 50Hz and 7KHz in 4:1 ratio at 245 watts per channel into 4 ohms.	Less than 0.03% using frequencies of 50Hz and 7KHz in 4:1 ratio at 400 watts per channel into 4 ohms.
Input Sensitivity		0.775V for full output into 4 ohms attenuator set maximum.		
Input Impedance		15K ohms minimum, unbalanced, optional 600 ohms or 10K matching transformers.		
Damping Factor (8 ohms)		Greater than 300 at 100Hz.		
Hum and Noise		Greater than 105dB down ref full output, 20Hz to 20KHz.		
Rise Time		3μS or less (10% - 90%) of IV, 1 KHz output.		
Slew Rate	45V/μS	45V/μS	45V/μS	45V/μS
Channel Separation		Greater than 70dB at 1 KHz		
Power Requirements	110/120/220/240V 50/60Hz. Rear panel mounted voltage selector.	110/120/220/240V A/C 50/60Hz Rear panel mounted voltage selector.	110/120/220/240V A/C 50/60Hz Rear panel mounted voltage selector.	110/120/220/240V A/C 50/60Hz. Rear panel mounted voltage selector.
Input Connectors	1 ¼" 3-pole jack and 1 XLR 3-31	female socket per channel.	2 ¼" 3-pole jack socket, 1 XLR 3-32	per channel. Jack input:
Output Connectors	One male XLR 3-32 and one pair binding posts per output.	One male XLR 3-32 and one pair binding posts per channel.	Two male XLR 3-32 and one pair	binding posts per channel.
Bridged Mono Output	N/A	200 watts RMS into 8 ohms, at less than 0.03% THD 20Hz to 20KHz. 120 watts RMS into 16 ohms at less than 0.02% THD at 1 KHz. Internal switch for bridged operation. Input 1 operative.	500 watts into 8 ohms at less than 0.03% THD 20Hz to 20KHz. 400 watts RMS into 8 ohms at less than 0.02% THD at 1 KHz. Internal switch for bridged operation. Input 1 operative.	800 watts RMS into 8 ohms at less than 0.03% THD 20Hz to 20KHz. 800 watts RMS into 8 ohms at less than 0.02% THD at 1 KHz. Internal switch for bridged operation. Input 1 operative.
Indicators	One 'Peak' LED illuminates 1dB before amplifier clip point. 'Thermal' shutdown indicator.	One 'Peak' indicating LED per channel. 'Peak' LED's illuminate 1dB before clip point. 'Thermal' shutdown indicator. Red LED 'bridged' indicator indicates bridged mono operation.		LED output display, calibrated CLIP, 0, -3, -6, -9, -12, -15, -21, -27, -33dB. 'Thermal' shutdown indicator. Red LED 'Bridged' indicator indicates bridged mono operation.
Protection	Short circuit, open circuit and mismatch proof. Thermal guard protects in case of inadequate ventilation. Mains fuse 2A A/S secondary fuses 6.3A (2 off).	Short circuit, open circuit and mismatch proof. Thermal guard protects in case of inadequate ventilation. Mains fuse 3.15A A/S secondary fuses 6.3A (2 off)	Short circuit, open circuit and mismatch proof. Thermal guard protects in case of inadequate ventilation. Mains fuse 4A A/S	Short circuit, open circuit, and mismatch proof. Thermal guard protects in case of inadequate ventilation. Mains fuse 10A A/S
Load Protection	N/A	N/A	Protection relay energised by presence of a DC fault condition at the amplifier output.	
Dimensions (WxHxD)	19" x 3½" x 15½" 483 x 89 x 384mm.	19" x 3½" x 15½" 483 x 89 x 384mm.	19" x 7" x 15½" 483 x 178 x 384mm.	19" x 7" x 15½" 483 x 178 x 384mm.
Weight	10.5 kg.	10.5 kg.	19.5 kg.	21.5 kg.
Cooling	Convection	Convection	Thermostatically controlled, quiet running fan.	

We reserve the right to alter details of technical specifications without notice.