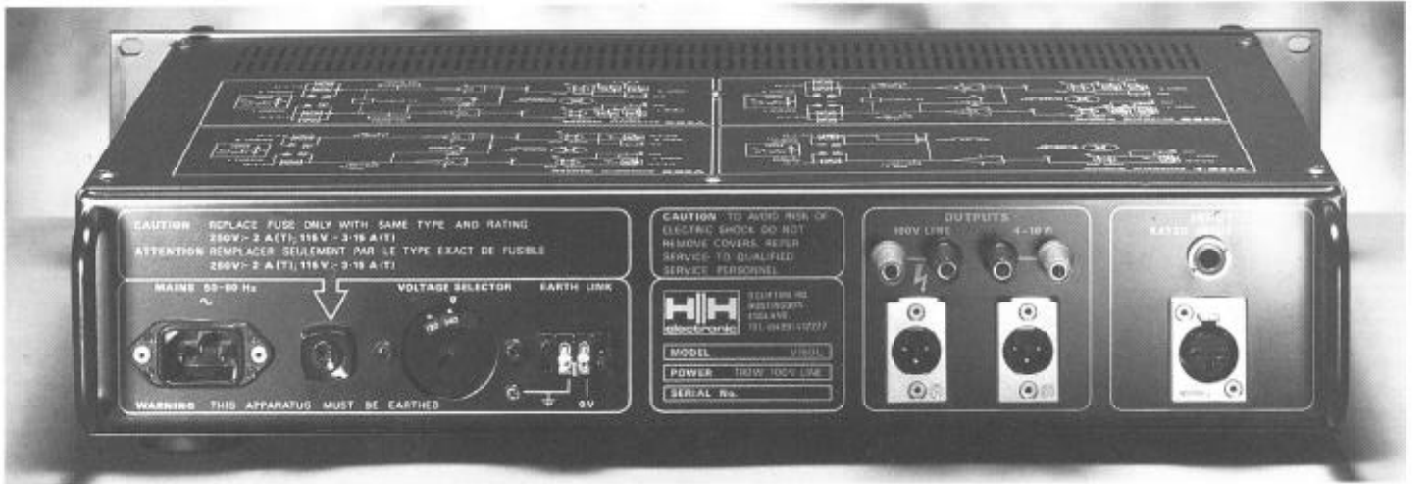


# HHH

# V150L



## V150L

### Single channel MOS-FET power amplifier

Designed for demanding professional applications that require a single channel power amplifier of exceptional performance and reliability.

A choice of internal input/output balanced matching transformers permits adaption to a variety of applications:

- Broadcast or recording studio monitor amplifier.
- Sound distribution amplifier with balanced 100V line output.
- High performance professional PA amplifier.

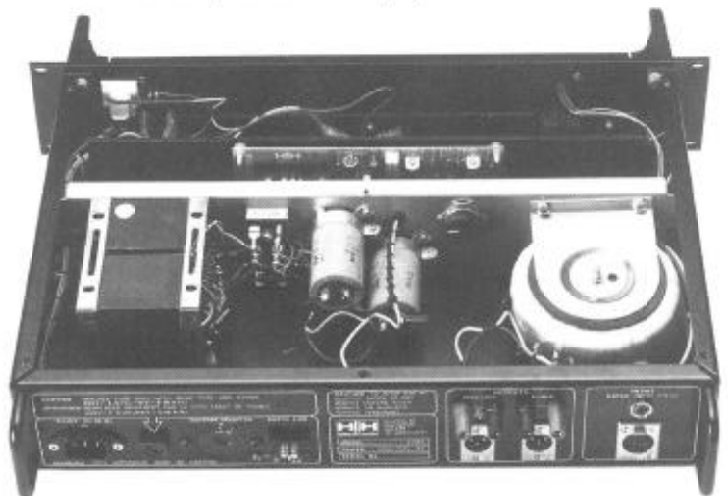
Two separate outputs are provided, 100 volt centre tapped balanced line for sound distribution systems, plus a normal low impedance 4 to 16 ohms output. Other output matching transformer options are available and XLR or binding post connectors are provided for both outputs.

Power output is 105 watts RMS into 8 ohms or 150 watts RMS into 4 ohms, 100 volt balanced line output—100 watts RMS.

The V150L is 19" rack mountable (2U high) and comes with a comprehensive range of facilities which include LED information indicators, optional plug-in balanced input transformer provision,

dual professional input facilities (XLR and 1/4" jack), continuously rated toroidal mains power supply and separate circuit chassis grounding on the rear panel barrier strip.

Full detailed specifications on page 4.



# V150L

	<b>VX150</b>	<b>VX200</b>	<b>V150L</b>
Power output per channel at clip. 1KHz. Both chan. driven	80 watts into 4Ω 50 watts into 8Ω	105 watts into 4Ω 68 watts into 8Ω	150 watts into 4Ω 105 watts into 8Ω
Bridged Mono Bal. output. 8 ohm load	35V line output 160 watts	41V line output 210 watts	N/A*
Power output per chan. into 4Ω for 0.02% T.H.D. at 1KHz. Both chan. driven	75 watts	100 watts	N/A
Rated power output per ch. into rated load of 8Ω. Both chs. driven. Test frequency 1KHz.	45 watts	60 watts	100 watts
T.H.D. at rated power output in the band 20Hz to 20KHz Less than—	0.03%	0.03%	0.03% (40Hz to 20KHz)
Intermodulation distortion at rated output power	Less than 0.03% using frequencies of 50Hz and 7KHz in 4:1 ratio.		
Input Sensitivity	0dB m. ref 600Ω (775mV) input for full output power into a 4Ω load.		
Input Impedance	Greater than 15K ohms.		
Input Options	Electronic Balance, Transformer Balance or Non Balanced inputs selectable from 3 position switches on rear.		Transformer Balance or Non Balanced Inputs.
Common Mode Rejection	Greater than 60dB.		
Damping Factor	Greater than 300 at 100Hz ref. 8ohms load.		
Hum and Noise	Greater than 100dB down ref. full output. 20Hz to 20KHz. (unbal. mode selected).		
Power Frequency Response	+0, -1dB 10Hz to 50KHz	+0, -1dB 10Hz to 20KHz	100V line output -3dB 30Hz to 10KHz 4-16Ω output +0, -1dB 30Hz to 50KHz
Output Slew Rate	70V/μS	70V/μS	45V/μS
Channel Separation	Greater than 70dB at 1KHz.		N/A
Output Rise Time	3μS or less (10% to 90%) of 1V at 1KHz.		
Input Connectors	1 × 3 Pin XLR + 1 stereo jack per channel		1×3 Pin in XLR + 1 stereo jack per channel
Output Connectors	1 pair binding posts per channel	1 pair binding posts + 1 XLR per channel	1 pair binding posts + 1 XLR per output
Indicators	'PEAK' LED illuminates 1dB before clip point. 'THERMAL' illuminates when thermal shut down occurs. 1 of each per channel. 'MONO' illuminates when Bridged mode selected.		'PEAK' & 'THERMAL' LED's only.
Protection	Electronic protection against short circuit, open circuit and load mismatch conditions. Primary and secondary fuses. Thermal protection against heatsink over temperature (inadequate ventilation).		
Cooling	Convection		
Rack Height	1U	2U	2U
Mains Supply	100, 120, 220, 240V 50-60Hz internally pre-set by voltage selection links.		
Power requirement	225VA	300VA	225VA
Dimensions (w×h×d)	483×45×305mm 19"×1 7/8"×12"	483×89×305mm 19"×3 1/2"×12"	483×89×384mm 19"×3 1/2"×15 1/8"
Weight	6.3kg	9.6kg	10.5kg