

MUSICAL FIDELITY

X150 Integrated Amplifier

[Print This Page](#)



OVERVIEW

The X-150 is a big amplifier in a small package. It has a huge high current output stage with plenty of power, about 100 wpc, and loads of current. It has very low distortion and excellent noise characteristics. Its build quality and aesthetics are, in our opinion, beautiful and it produces a great sound. For many people the X-150 (fed by an X-Ray) and paired with great speakers the results are stupendous and all that they will ever need. Pretty good for the money we think.

FEATURES & BENEFITS

2 pairs of large output transistors per channel.	Very high peak current (unlimited 75A).
---	---

Active pre-out.	Very simple to passive bi-amp.
------------------------	--------------------------------

Separate transformer winding for preamp stage.	Offers greatly improved performance. Not necessary to buy extra add-on power supply to upgrade performance.
---	---

Compact dimensions.	Easy to house.
----------------------------	----------------

Rugged design.	Reliability and longevity.
-----------------------	----------------------------

Phono stage.	High quality MM phono stage with accurate RIAA; great for your cherished vinyl collection.
---------------------	--

Sophisticated PCB layout of highly developed circuit with low feedback. Beautiful consistent musical sound.

SPECIFICATIONS

Output

Power	105 Watts one channel into 8 Ohms (20dBW), 141 Watts one channel into 4 Ohms
Voltage RMS	29 Volts 20Hz to 20kHz, one channel loaded
Voltage Peak	82 Volts
Peak-to-peak output current	50 Amps
Damping factor	80
Output devices per channel	4
Pre-output impedance	50 Ohms

Line inputs

Total harmonic distortion + noise	< 0.01% 20Hz to 20kHz
Signal / noise ratio	> 98dB 'A'-weighted
Input sensitivity for 105 Watts, 8 Ohms	250mV
Input impedance	220k Ohms
Overload margin	26dB
Channel separation	> 70dB typical
Frequency response	20Hz to 20kHz, + 0, - 0.2dB

General

Phono input	Frequency response reference IEC RIAA - see graph below
Signal / noise ratio	> 94dB 'A'-weighted
Input sensitivity	2.5mV Moving Magnet
Input impedance	47k Ohms

Overload margin	24dB
Input facilities	3 pairs line level RCA connectors, 1 pair phono RCA connectors
Output facilities	2 amplifier channels via 1 pair per channel binding posts. 1 pair RCA audio outputs controlled by the volume, 1 pair RCA tape record fixed line level output.
Power requirement	100 / 115 / 230Volts AC 50 / 60Hz (factory pre-set), 320 Watts maximum into 8 Ohms, 32 Watts idle
Dimensions	218mm, 8.6 inches wide 98mm, 3.8 inches high (incl. feet) 377mm, 14.9 inches deep (incl. knob and rear terminals)
Weight	6.5 kg, 14.3 lbs unit only, unboxed 8 kg, 17.7 lbs in shipping carton
Standard accessories	IEC type mains lead (10-Amp), remote control, 2 batteries size LR03 or AAA, manganese alkaline type