

PA4150L
Four-Channel
Power Amplifier



Key Features:

- 4 x 160W at 4 Ohms
- 2 U Rack Space Chassis
- Rear Level Controls
- Bridge Mode Operation Provides 2 x 315W at 8 Ohms
- Complete Protection Package
- Selectable 50Hz or 300Hz Hi-Pass Filter for each Channel
- Phoenix Type Inputs
- Phoenix Type Outputs
- High Efficiency Circuit Design
- Front Panel Power On/Off



Technical Specifications:

Number of Channels	4	
Load Impedance	8 Ohm	4 Ohm
Rated Output Power (*Rated Load) THD<1%, 1kHz	100W	160W
Rated Output Power (*Rated Load) THD<0.2%, 20Hz...20kHz	75W	150W
Slew Rate at 1kHz	16V/μs	
Frequency Response, -1dB, Ref. 1kHz	<10Hz - 40kHz	
Damping factor, at 100Hz / 1kHz, 4 Ohm	>250	
Power Bandwidth THD=1%, Ref. 1kHz, Half Power	>10Hz - >50kHz	
Input Impedance, 20Hz ... 20kHz, Balanced	>20kOhm	
Signal-to-Noise Ratio, A-Weighted	100 dB	
Input Sensitivity at Rated Output Power or Voltage, 1kHz	0dBu (775mV)	
THD at rated output power, MBW=80kHz, 1kHz	<0.1%	
IMD-SMPTE, 60Hz, 7kHz	<0.1%	
DIM30, 3.15kHz, 15kHz	<0.1%	
Crosstalk, Ref. 1kHz, at 10% Rated Output Power	<-75 dB	
Power Requirements	120V or 230V, 50Hz - 60Hz	
Protection	Audio Limiters High Temperature Peak Current Limiters Turn-On Delay	
Cooling	Front-to-Rear	
Dimensions (W x H x D), mm	483 x 88 x 406mm (2Ru) 19" x 3.5" x 16"	
Weight	18kg (39.65lbs)	

General Description:

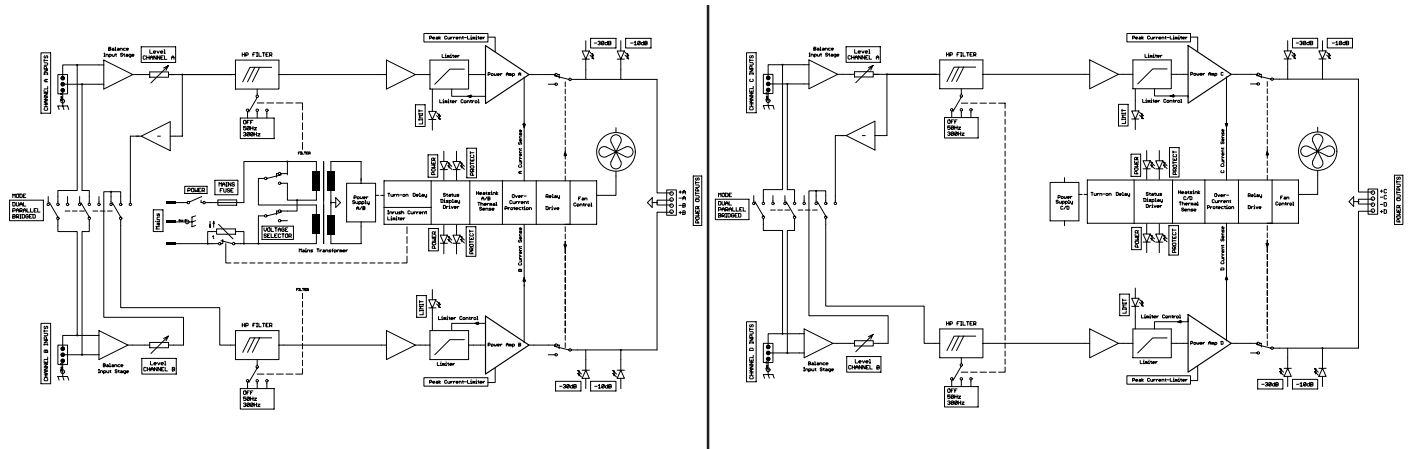
The Electro-Voice® PA4150 is from the PA series of professional commercial audio amplifiers. The direct path airflow design reduces the heat buildup significantly and allows for 4 full amplifier channels in a slim two rack space chassis. The audio performance of the PA4150 is superior and fulfills the requirements in many demanding long term applications from sound reinforcement, paging or life safety installations.

The PA4150 features many of the same comprehensive protection circuits typical in EV amplifiers. Complete protection is provided for high temperature, audio limiters, power up delay and peak current limiters. In addition to the rated output power, the PA4150 provides excellent headroom for a wide dynamic range on music signals. A selectable 50Hz or 300Hz hi-Pass filter makes it easy to incorporate the unit into The onboard dynamic limiter ensures that the output clipping of the PA4150 will not will not generate excessive distortion. The amplifier channels can be bridged for more power flexibility.

Marked level controls on the rear panel provide hidden reliable level adjustments for each channel. Front panel LEDs indicate signal present, 0 dB, and limit. Phoenix type connectors for inputs and outputs provide an easy rack wiring.

Low Impedance Outputs:
 - Min. Rated Load for Single Channel Operation is 4 Ohms. 2 Ohm Load is Not Recommended.
 - Min. Rated Load for Bridged Operation is 8 Ohms. 4 Ohm Load is Not Recommended.

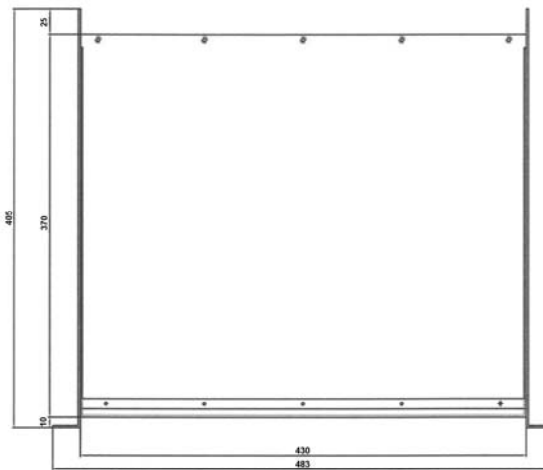
Block Diagrams:



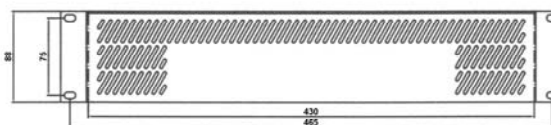
Dimension Drawings:

All Dimensions
in Millimeters

Top View

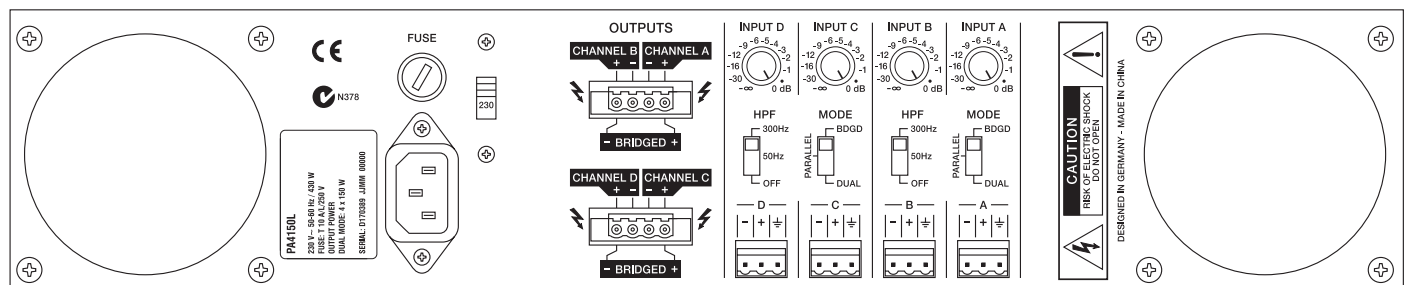


Front View



PA4150L Part Number:
PA4150L, 120V -- D170409

Rear View:



Electro-Voice

12000 Portland Avenue South, Burnsville, MN 55337
Phone: 952/884-4051, Fax: 952/884-0043

www.electrovoice.com

© Telex Communications, Inc. 1/2006
Part Number LIT-0000XX Rev 1

U.S.A. and Canada only. For customer orders, contact Customer Service at:

800/392-3497 Fax: 800/955-6831

Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:

+ 49 9421-706 0 Fax: + 49 9421-706 265

Other International locations. For customer orders, contact Customer Service at:

+ 1 952 884-4051 Fax: + 1 952 736-4212

For warranty repair or service information, contact the Service Repair department at:

800/685-2606

For technical assistance, contact Technical Support at: 866/78AUDIO

Specifications subject to change without notice.