Key Features:

- 2 x 430W at 70V or 4 Ohms
- 2 U Rack Space Chassis
- Rear Level Controls
- Complete Protection Package
- Bridge Mode Operation Provides
 1 x 860W at 8 Ohms
- 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

General Description:

The Electro-Voice® PA2400T is from the PA series of professional commercial audio amplifiers. The direct path airflow design reduces the heat buildup significantly and allows for more amplifier channels and output power in slim two rack space chassis. The audio performance of the PA2400T is superior and fulfills the requirements in many demanding long term applications from sound reinforcement, paging or life safety installations.

High performance torroidal power and output transformers combine clean saturation free audio performance with cool running operation. The PA2400T 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 PA2400T provides excellent headroom for a wide dynamic range on music signals. The onboard dynamic limiter ensures that the output clipping of the PA2400T 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.



Technical Specifications:

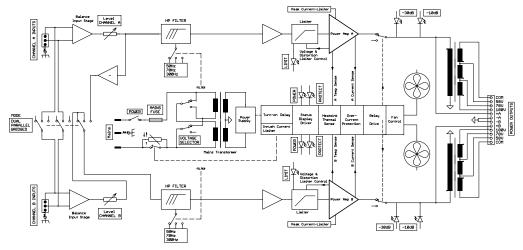
Number of Channels		1			
Rated Output Power (*Rated Load) THD<1%, 1kHz Rated Output Power (*Rated Load) THD<0.2%, 20Hz20kHz Slew Rate at 1kHz Slew Rate at 1kHz Frequency Response, -1dB, Ref. 1kHz Damping factor, at 100Hz / 1kHz, 4 Ohm Power Bandwidth THD=1%, Ref. 1kHz, Half Power Input Impedance, 20Hz 20kHz, Balanced Signal-to-Noise Ratio, A-Weighted Input Sensitivity at Rated Output Power, MBW=80kHz, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay Front-to-Rear Dimensions (W x H x D), mm 483 x 88 x 406mm (2Ru)	Number of Channels	2			
THD<1%, 1kHz Rated Output Power (*Rated Load) THD<0.2%, 20Hz20kHz Slew Rate at 1kHz Slew Rate at 1kHz Slew Is Slew Rate at 1kHz Slew Is Slew	Load Impedance	8 Ohm	4 Ohm	70V	
Slew Rate at 1kHz Slew Rate AlokHz Slew Rate AlokHz Slew Rate AlokHz AlokHz Alohm Slew Ratio, Alohm Alohm Power Bandwidth THD=1%, Ref. 1kHz, Half Power Input Impedance, 20Hz 20kHz, Balanced Signal-to-Noise Ratio, A-Weighted Input Sensitivity at Rated Output Power or Voltage, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz Ollm30, 3.15kHz, 15kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Power Requirements Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay Cooling Front-to-Rear Dimensions (W x H x D), mm Alok AlokHz A	' '	215W	430W	430W	
Frequency Response, -1dB, Ref. 1kHz Damping factor, at 100Hz / 1kHz, 4 Ohm Power Bandwidth THD=1%, Ref. 1kHz, Half Power Input Impedance, 20Hz 20kHz, Balanced Signal-to-Noise Ratio, A-Weighted Input Sensitivity at Rated Output Power or Voltage, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay Cooling Dimensions (W x H x D), mm 483 x 88 x 406mm (2Ru)	. ,	200W	400W	400W	
Damping factor, at 100Hz / 1kHz, 4 Ohm Power Bandwidth THD=1%, Ref. 1kHz, Half Power Input Impedance, 20Hz 20kHz, Balanced Signal-to-Noise Ratio, A-Weighted Input Sensitivity at Rated Output Power or Voltage, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Protection Dimensions (W x H x D), mm Power Bandwidth ThD=1%, Ref. 45Hz, ->20kHz Athau ->20kHz 103 dB 103 dB 104 dBu (775mV) OdBu (775mV)	Slew Rate at 1kHz	25V/µs		46V/µs	
4 Ohm Power Bandwidth THD=1%, Ref. 1kHz, Half Power Input Impedance, 20Hz 20kHz, Balanced Signal-to-Noise Ratio, A-Weighted Input Sensitivity at Rated Output Power or Voltage, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz Olim30, 3.15kHz, 15kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Power Requirements Protection Protection Protection Protection Dimensions (W x H x D), mm Power Balanced A5Hz ->20kHz >20kOhm 45Hz ->20kHz >20kOhm 0dBu (775mV) 120 0.1% 0.1% 120 0.1% 120 0 0 230V, 50Hz - 60Hz 120 0 0 230V, 50Hz 120	Frequency Response, -1dB, Ref. 1kHz	65Hz - 40kHz			
1kHz, Half Power Input Impedance, 20Hz 20kHz, Balanced Signal-to-Noise Ratio, A-Weighted Input Sensitivity at Rated Output Power or Voltage, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz OIM30, 3.15kHz, 15kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay Cooling Dimensions (W x H x D), mm Value 103 dB 103 dB 0dBu (775mV) 0.1%		>250		N/A	
Balanced Signal-to-Noise Ratio, A-Weighted Input Sensitivity at Rated Output Power or Voltage, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay Cooling Dimensions (W x H x D), mm 483 x 88 x 406mm (2Ru)	· · · · · · · · · · · · · · · · · · ·	45Hz - >20kHz			
Input Sensitivity at Rated Output Power or Voltage, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz Olimson, 3.15kHz, 15kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Protection Protection Cooling Front-to-Rear Dimensions (W x H x D), mm OdBu (775mV) 0dBu (775mV) 0dBu (775mV) 40.1%	1 ' ' '	>20kOhm			
Power or Voltage, 1kHz THD at rated output power, MBW=80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz DIM30, 3.15kHz, 15kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay Cooling Dimensions (W x H x D), mm 483 x 88 x 406mm (2Ru)	Signal-to-Noise Ratio, A-Weighted	103 dB			
MBW=80kHz, 1kHz	' '	0dBu (775mV)			
DIM30, 3.15kHz, 15kHz Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Protection Cooling Dimensions (W x H x D), mm Protection Cooling Coo		<0.1%			
Crosstalk, Ref. 1kHz, at 10% Rated Output Power Power Requirements Protection Protection Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay Cooling Pront-to-Rear Dimensions (W x H x D), mm Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay Front-to-Rear	IMD-SMPTE, 60Hz, 7kHz	<0.1%			
Output Power 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)	DIM30, 3.15kHz, 15kHz	<0.1%			
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)		<-75 dB			
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)	Power Requirements	,			
Dimensions (W x H x D), mm 483 x 88 x 406mm (2Ru)	Protection	High Temperature Peak Current Limiters			
	Cooling	Front-to-Rear			
	Dimensions (W x H x D), mm				
Weight 26kg (57.27lbs)	Weight	26kg (57.27lbs)			

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.

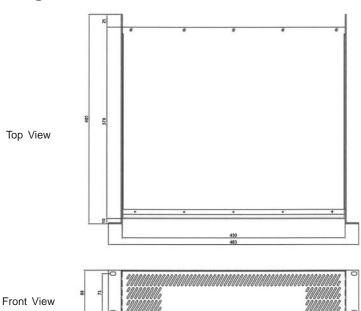


Block Diagram:



Dimension Drawings:

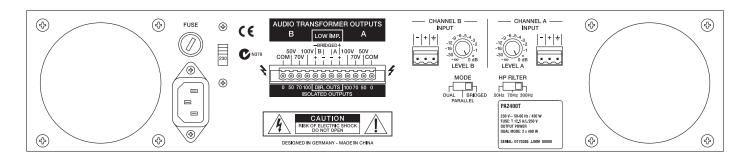
Top View



PA2400T Part Number: PA2400T, 120V -- D170406

Rear View:

All Dimensions in Millimeters





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www.electrovoice.com

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

Specifications subject to change without notice.