

CP2200

PRECISION SERIES

CP2200
High-Efficient, Lightweight
Two-Channel
Power Amplifier



Key Features:

- 2 x 1,100W/ 2 Ohms
- High Efficient Class-H Design
- 2 U Rack Space
- Only 35 lbs (16 kg)
- Complete Protection Package
- Dynamic Limiter



General Description:

The Electro-Voice® CP2200 is from the compact and lightweight Compact Precision Series of professional amplifiers. The high efficient Class-H design reduces the power dissipation significantly and allows for more amplifier channels and output power in a given rack space. The audio performance of the CP2200 is state-of-the-art and fulfills the highest sound expectations in demanding applications from concert sound to theater. The CP2200 features the same complete protection package as all EV Precision Series amplifiers. Protection against: excessive HF, DC fault, high temperature, and Back-EMF as well as turn-on delay, and peak current and inrush current limiters. In addition to the rated output power the CP2200 provides up to 30% percent headroom for a wide dynamic range on music signals. The onboard dynamic limiter ensures, that the output clipping of the CP2200 will not exceed a THD of 1% up to an input signal of +21dBu. Detend level controls provide precise and repeatable settings. Front panel LEDs indicate signal present, 0 dB and limit. Paralleled male and female input XLRs provide an easy rack wiring.

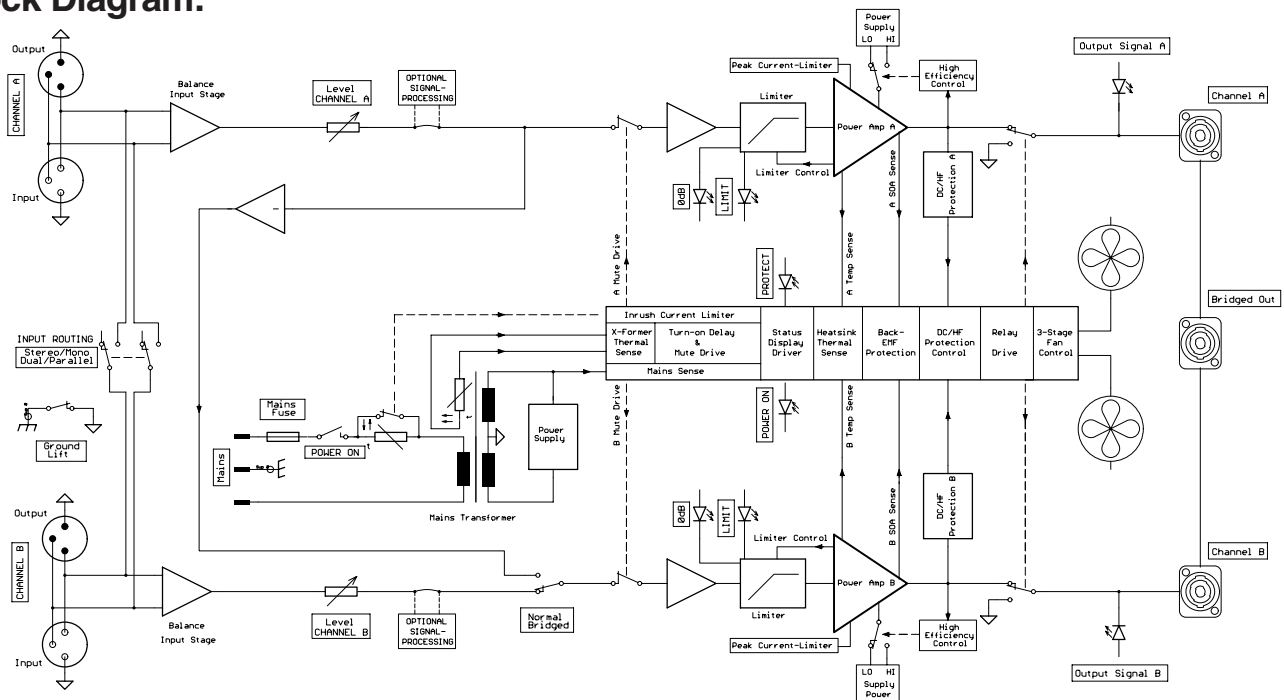
Technical Specifications:

Maximum Midband Output Power 2, 4, 8 Ohms: (THD = 1% , 1kHz, Dual Channel)	1100W, 800W, 500W
Rated Output Power 4, 8 Ohms: (THD < 0.1% , 20 Hz - 20 kHz)	700W, 350W
Maximum Single Channel Output Power 2, 4, 8 Ohms: (Dynamic-Headroom , IHF-A)	2200W, 1200W, 625W
Maximum Single Channel Output Power 2, 4, 8 Ohms: (Continuous, 1 kHz)	1500W, 950W, 550W

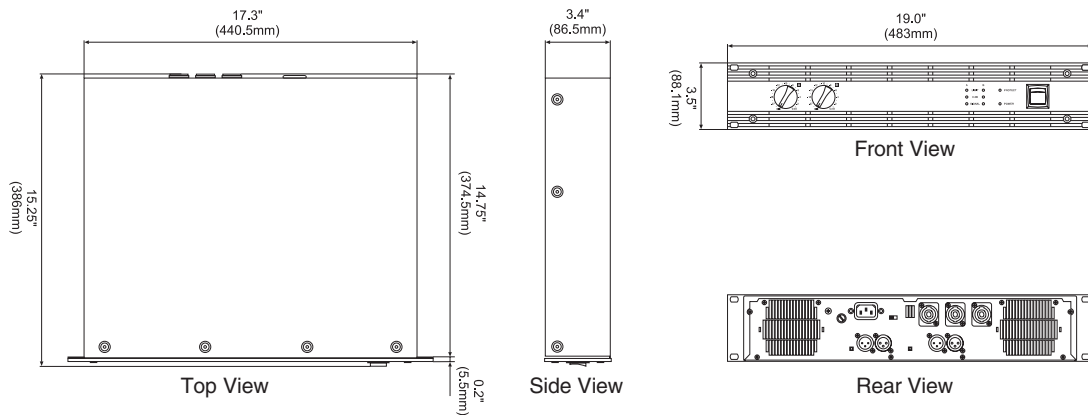
Maximum Bridged Output Power 4, 8 Ohms: (THD = 1% , 1 kHz)	2200W, 1600W
Maximum RMS Voltage Swing: (THD 1% , 1kHz)	72V
Power Bandwidth (THD = 1% , ref.1kHz, half power @ 4 Ohms):	10 Hz - 60 kHz
Voltage Gain , ref.1kHz:	32.8 dB
Input Sensitivity (@ rated power, 8 Ohms, 1kHz):	+4 dBu (1.23 Vrms)
THD at rated output power, (MBW = 80kHz, 1kHz):	< 0.05%
IMD-SMPTE (60 Hz, 7 kHz):	< 0.02%
DIM 30 (3,15 kHz, 15 kHz):	< 0.01%
Maximum Input Level:	+22 dBu (9.76 Vrms)
Crosstalk (ref. 1kHz, at rated output power):	< -80 dB
Frequency Response (+/- 1dB , ref.1 kHz):	15 Hz - 40 kHz
Input Impedance active balanced:	20 kohm
Damping Factor @ 1kHz:	> 300
Slew Rate:	35 V/μs
Signal to Noise Ratio Amplifier, A-Weighted, Input Sensitivity (+4dBu):	107 dB
Power Requirements ¹ :	240, 230V,120V or 100V; 50 Hz - 60 Hz
Power Consumption (1/8 max. output power @ 4 Ohms, +10%):	660W
Protection:	Audio limiters, High temperature, DC, HF, Back-EMF, Peak current limiters, Inrush current limiters, Turn-on delay
Cooling:	Front-to-rear, 3-stage-fans
Safety Class:	Class I
Dimensions (W x H x D):	19.0" x 3.5" x 15.25" (483mm x 88.1mm x 386.8mm)
Net Weight:	35.2 lbs (16 kg)
Shipping Weight:	38.5 lbs (17.5 kg)

¹ Factory Configured.

Block Diagram:



Dimension Drawings:



Front/Rear Views:



CP2200 Part Numbers:

CP2200, 100V -- 170252
 CP2200, 120V -- 170258
 CP2200, 230V -- 170270
 CP2200, 240V -- 170276

EV Electro-Voice®

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

www.electrovoice.com

© Telex Communications, Inc. 2/2003

Part Number 38110-225 Rev A

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.