

MODEL 6800L
POWER AMPLIFIER MAINFRAME

The Model 6800L Power Amplifier Mainframe is designed to house, supply power to, provide connections to, and cool the Models 6208L or 6270L Power amplifier Cards. The 6800L is for 120 VAC operation. All connections are available on the rear panels of the Mainframes. Input connections are made to plug-in lugless compression-type screw terminal connectors, as are the Monitor Output and Logic Output connections. The main output terminals are 5-way banana jacks on 3/4 inch centers. They will accept separate banana plugs, a standard dual banana plug, spade lugs, tip plugs, or bare wire ends. The Model 6800L Mainframe holds up to 8 6208L or 6270L Power Amplifier cards, for a maximum of 1600 W per mainframe. Seven inches of rack space is required in a standard 19" equipment rack. Allowing space for airflow, a 72" rack can hold up to 8 Model 6800 Mainframes, for a maximum total of 12,800 W of audio per rack. Four cooling fans are provided. Each cools two power amplifier cards. The front door is smoke colored polycarbonate, which allows the LED indicators to be seen while providing a clean attractive appearance to the rack front.

The State-of-the-art output transformerless design of the power amplifier cards provides savings in rack space, weight, and efficiency. These savings are realized without compromising quality or performance.

SPECIFICATIONS

CAPACITY

- 1. Maximum Number of 6208L or 6270L Amplifier Cards
6800L 8 Cards

CONNECTORS

- 1. Audio Input, Output Monitor, and Logic Output
(Single connector, 6 terminals) Plug-in lugless compression-type screw terminals
- 2. AC Power Cord
6800L for 120 VAC operation Belden 17250



AC POWER REQUIREMENTS

- 1. 6800L Maximum AC Power Input 2000 W
With all 8 card slots full and all at maximum power output

MECHANICAL

- 1. Front Door Smoke-colored polycarbonate
with aluminum bottom hinge
and dual latches
- 2. Size, overall 19" W x 7" H x 16.2"D
(48.3 cm W x 17.8 cm H x 41.2 cm D)
- 3. Mounting Depth (rack depth) (44.5 cm) 17.2"
for proper fan operation add a minimum of 2" (5.1 cm) clearance
- 4. Weight
6800L (4.3 kg) 9.5 lb
- 5. Cooling 4 fans

Fans are powered by the amplifiers in the odd numbered card slots. Slots are numbered from 1 to 8 starting from the left, as viewed from the front. An amplifier card must be operating in an odd numbered slot before operating an amplifier card in the slot to its right. Adequate ventilation is required in addition to the built-in fans. Leave 1 empty rack space (1.75") between mainframes, and at least 2 inches between the rear fan grilles and the rear doors.

ENVIRONMENTAL SPECIFICATIONS

- 1. Operating Temperature Range (+32 °F - +122 °F) 0 °C - +50 °C
Applicable for typical voice paging and background music applications.
- 2. Storage Temperature Range (-40 °F - +158 °F) -40 °C - +70 °C

This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc.



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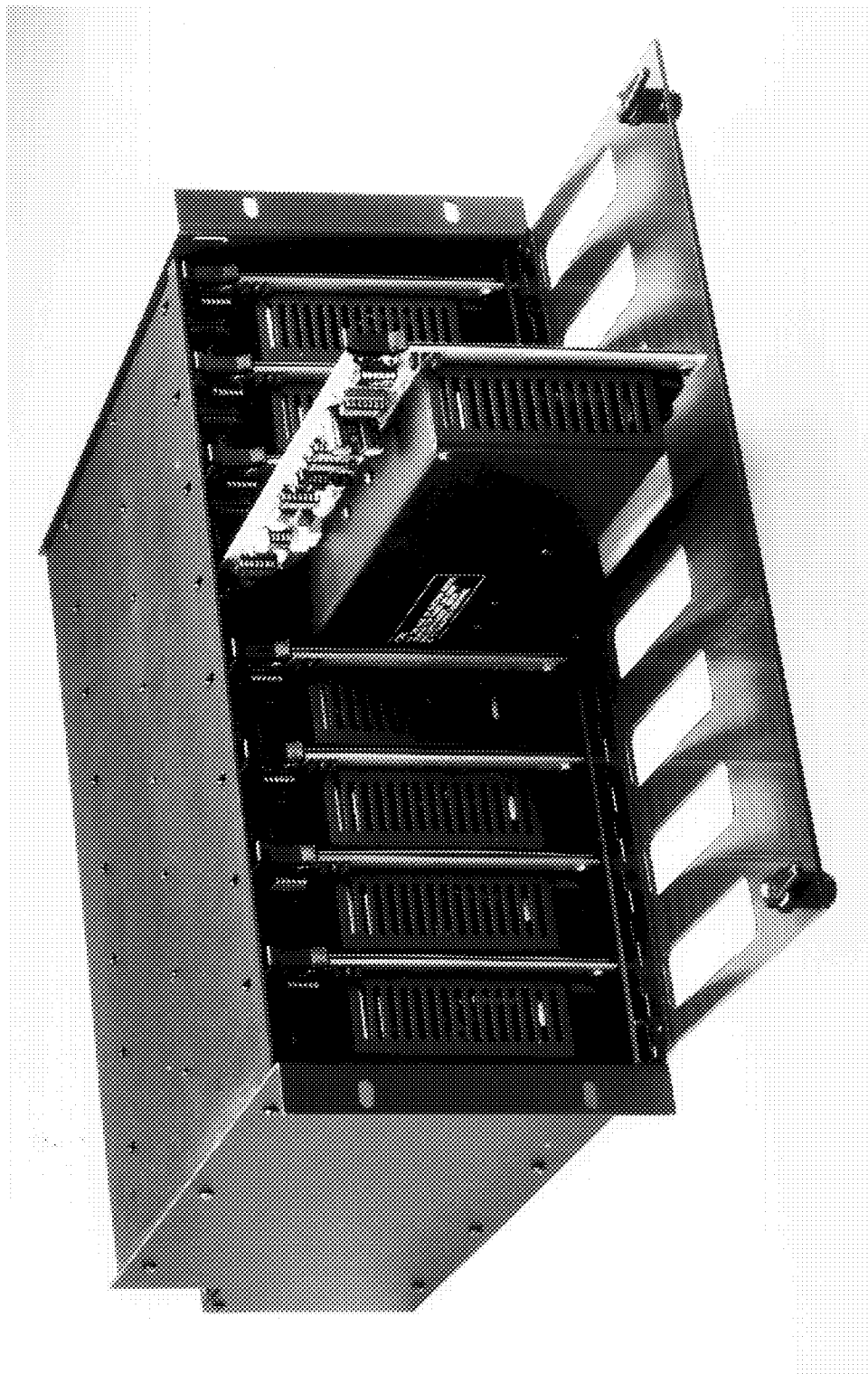


Figure 1 - Model 6800L Mainframe
Front View



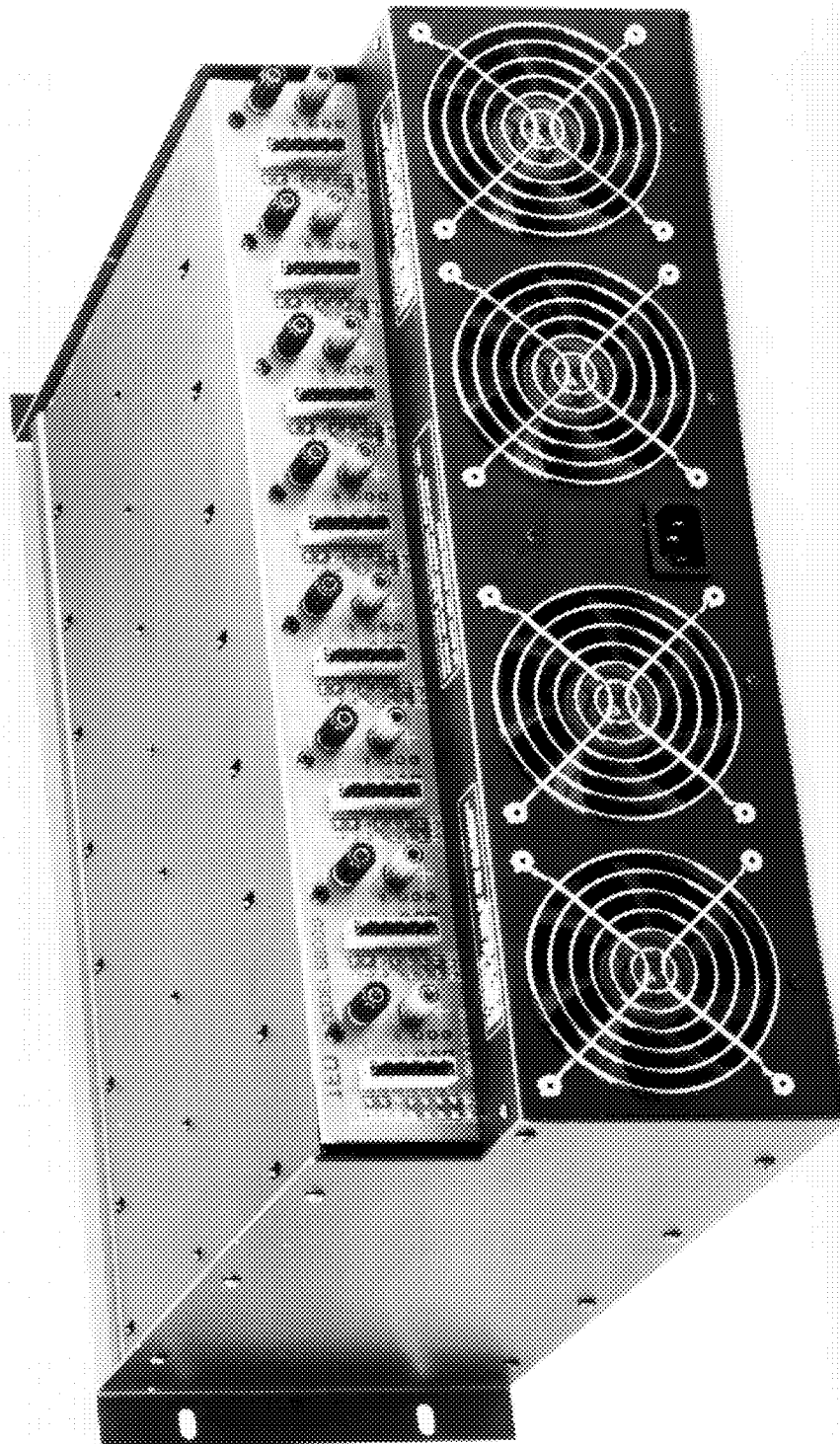


Figure 2 - Model 6800L Mainframe
Rear View

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