

# Hafler®

## P1500 trans•nova▶ A m p l i f i e r



### FEATURES

#### CIRCUITRY

- trans•nova Amplifier Topology
- MOSFET Output Devices
- Electronic Fuse
- No Fan! Convection Cooled

#### CONTROLS & INDICATORS

- 3.5" Rack Mount (2-rack spaces)
- Stereo/Bridged Mono
- XLR or 1/4" Balanced Inputs
- Gold-Plated 5-Way Binding Posts
- Power Lamp, Signal, Clip, Thermal, Short LEDs
- 1dB Incremental Gain Controls
- Chassis/Float Ground Switch
- Serviceable Modules

#### WARRANTY

- 5 Year Warranty

### DESCRIPTION



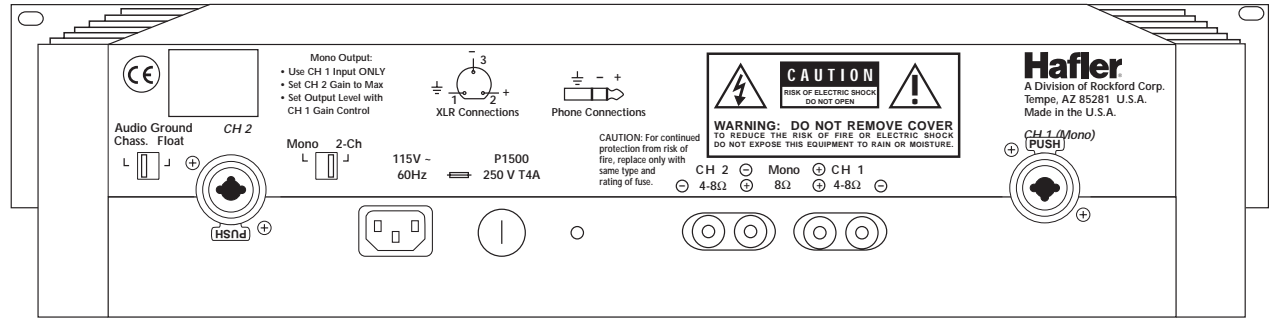
The trans•nova P1500 from Hafler! A company rich with heritage and experience. Building only the finest audio power amplifiers for professionals and audiophiles the world over since 1975. The P1500 trans•nova is perfect for many studio monitoring touring sound and fixed installations. Featuring Professor James Strickland's radical trans•nova topology (TRANsconductance NOdal Voltage Amplifier). This circuitry (patent #4467288) was first introduced in our 9500 and promptly blew away expensive esoteric amps taking audio technology up to a whole new level in performance.

New LED indicators allow visually monitoring the operating status of each channel. The Thermal and Short indicators light when these protection circuits have been activated. The Clip indicator assists in protecting the speakers by showing when the amp is overdriven and the output signal is distorted. The Signal indicator lights to show the presence of an audio signal.

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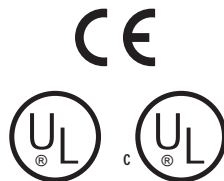
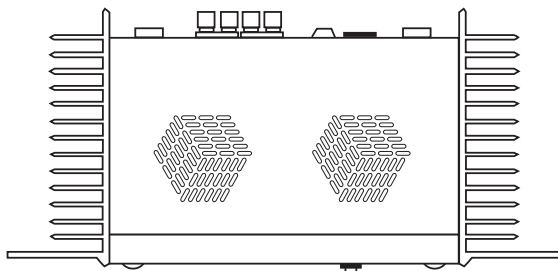
Amplifier



### SPECIFICATIONS

#### P1500

Power Rating .....	75 Watts/channel @ 8Ω
	85 Watts/channel @ 4Ω
	170 Watts bridged/mono @ 8Ω
Total Harmonic Distortion (THD) .....	<0.2% (20Hz-20kHz)
Signal-to-Noise .....	100dB "A" Weighted
Full Power Bandwidth .....	0.15Hz to 300kHz (+0/-3dB)
Slew Rate .....	100V/μs
CMRR (Common Mode Rejection Ratio) .....	75dB at 1kHz
Input Impedance .....	47kΩ per phase balanced
Gain .....	+14dB min. / +29dB max.
Input Sensitivity Range .....	437mV to 2.4V (@ 8Ω) per phase balanced
	330mV to 1.8V (@ 4Ω) per phase balanced
Damping Factor .....	350 (to 1kHz)
	150 (to 10kHz)
	18 (to 100kHz)
Power Consumption .....	60W / 500mA @ 120VAC (idle power)
	230W / 1.9A @ 120VAC (1/8 power - 8Ω)
	325W / 2.70A @ 120VAC (max. power - 8Ω)
Indicators .....	Power, Signal, Clipping, Thermal, Short
Dimensions .....	19"W x 8½"D x 3½"H (2-rack spaces)
	(48.26cm x 12.59cm x 8.89cm)
Net Weight .....	21.6 lbs. (9.98kg)



### ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The audio power amplifier shall be solid state design employing 4 lateral power MOSFET output devices. It shall be constructed on a 16 gauge steel chassis utilizing convection cooling and be technician friendly using modular construction.

Each channel shall be rated for a minimum of 75 watts into an 8 ohm load and 85 watts into a 4 ohm load with both channels driven. In bridged mono mode, the amplifier shall produce at least 170 watts into an 8 ohm load. A switch shall be provided for stereo or bridged mono operation and all power ratings shall be measured from 20Hz-20kHz with less than 0.2% THD.

The amplifier's back panel shall provide Balanced inputs via combination XLR and 1/4" phone jacks. The back shall also utilize gold-plated 5-way binding posts for output connectors and a switch to isolate or connect the signal ground to the chassis ground. The amplifier shall include a 3-wire grounded AC line cord and UI power transformer operating on 120V/60Hz AC mains. An optional transformer for 230V 50-60Hz operation shall be available.

The amplifier's front panel shall provide level controls with optional security covers. The front shall also incorporate a lighted main power switch and indicators for each amplifier channel. The indicators shall display signal present when 30mV of signal is detected, signal clipping when distortion rises above 1%, thermal protection should the heatsink temperature become excessive, and short circuit protection in case a problem on the speaker system arises.

The amplifier shall fit standard 19" EIA rack mounting requirements utilizing 2-rack spaces. The dimensions shall be 19" Wide, 8½" Deep, 3½" High, and be finished in black with a net weight of 21.6 pounds. It shall be a Hafler P1500.