

Hafler

P7000 trans•nova A m p l i f i e r

FEATURES

CIRCUITRY

- trans•nova Amplifier Topology
- MOSFET Output Devices
- DIAMOND Driver Stage
- Electronic Fuse
- Dual Internal Fans
- Active Crossovers

CONTROLS & INDICATORS

- 3.5" Rack Mount (2-rack spaces)
- Stereo/Bridged Mono/Biamp
- 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
- Gain Control Security Covers
- Rack Mount Handles
- Serviceable Modules

WARRANTY

- 7 Year Warranty



DESCRIPTION

The P7000 trans•nova DIAMOND (patent pending) amplifier is the most powerful and versatile amplifier Hafler has ever made! It features Jim Strickland's trans•nova circuitry (patent #4467288) and his brilliant discovery, Dynamically Invariant AMplification Optimized Nodal Drive.

The DIAMOND transconductance driver stage combines the linearity of Class A operation with the current headroom of a Class B system resulting in a significant advancement in the art of power amplifier design. The sonic result of all this unique technology is very easily heard. The P7000 presents a deep, wide sound stage with incredible musical transparency and detail.



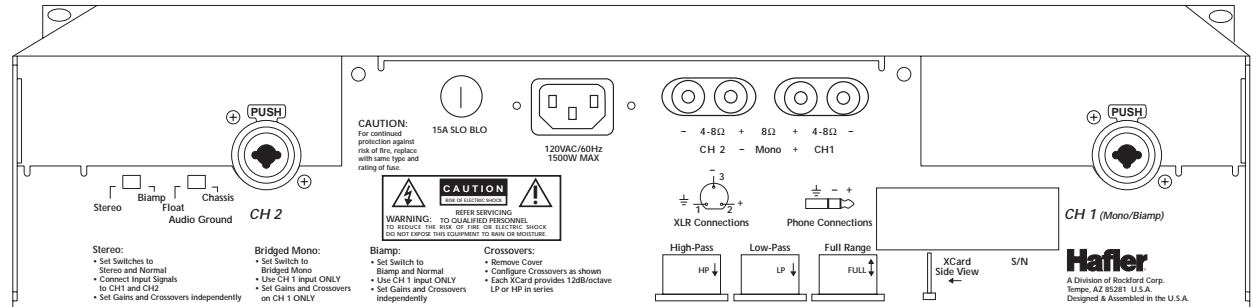
Hafler – One for All! Both powerful and flexible, the P7000 features active crossovers controlled by our XCard plug-in modules (2 per side) making the P7000 ideal for bi-amping and a variety of sound reinforcement applications. Hafler's new DIAMOND and trans•nova circuitry topology in the P7000 represents a great sonic advancement over the successful PRO5000, confirming once again Hafler's dominance as "the amplifier of choice" to power large studio reference monitor speakers. The P7000 is also an excellent choice for cinemas wanting the best possible amplification to reproduce today's demanding motion picture sound tracks. Amazingly, the P7000 is excitingly appropriate as an amplifier for instruments like bass guitar and keyboards because of its punch, control, and musicality.

Whether used for Sound Reinforcement or fixed installs, Hafler delivers an experience that no other amplifier can match. Sonics for Audiophiles made bulletproof for the road!

Hafler

P7000 trans·nova

Amplifier

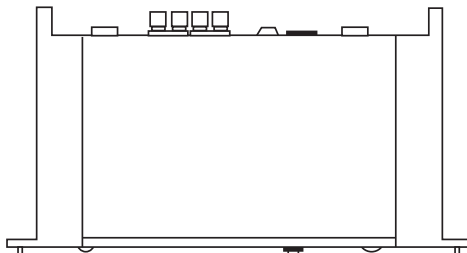


SPECIFICATIONS

P7000

Power Rating	350 Watts/channel @ 8Ω 500 Watts/channel @ 4Ω* 1000 Watts bridged/mono @ 8Ω*
Total Harmonic Distortion (THD)	<0.2% (20Hz-20kHz)
Signal-to-Noise	100dB "A" Weighted
Full Power Bandwidth	0.2Hz to 100kHz (+0/-3dB)
Slew Rate	100V/μs
CMRR (Common Mode Rejection Ratio)	75dB at 1kHz
Input Impedance	47kΩ per phase balanced
Gain	+15dB min. / +30dB max.
Input Sensitivity Range	850mV to 4.75V (@ 8Ω) per phase balanced 700mV to 4V (@ 4Ω) per phase balanced
Damping Factor	600 (to 1kHz) 200 (to 10kHz) 25 (to 100kHz)
Power Consumption	200W / 2.3A @ 120VAC (idle power) 470W / 5.2A @ 120VAC (1/8 power - 8Ω) 1100W / 12A @ 120VAC (max. power - 8Ω)
Indicators	Power, Signal, Clipping, Thermal, Short
Dimensions	19"W x 12 ⁷ / ₈ "D** x 3 ¹ / ₂ "H (2-rack spaces) (48.3cm x 32.7cm x 8.9cm)
Net Weight	40 lbs. (18.18kg)

*Continuous power limited by current rating of line fuse. **plus 1¹/₈" for handles



ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

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

Each channel shall be rated for a minimum of 350 watts into an 8 ohm load and 500 watts* into a 4 ohm load with both channels driven. In bridged mono mode, the amplifier shall produce at least 1000 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. Each amplifier channel shall incorporate dual 2nd order Butterworth crossovers. 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 and have handles. The dimensions shall be 19" Wide, 12⁷/₈" Deep**, 3¹/₂" High, and be finished in black with a net weight of 40 pounds. It shall be a Hafler P7000.

*Continuous power limited by current rating of line fuse. **plus 1¹/₈" for handles