

XP SERIES

XP1000 1120 Watts Power Amp

XP2000 1920 Watts Power Amp

XP3000 2800 Watts Power Amp

XP5000 5000 Watts Power Amp

XP3100 2800 Watts Power Amp with Subwoofer Output

XP5100 5000 Watts Power Amp with Subwoofer Output

Performance LED Indicators: Bridge/Parallel Modes, three signal and Clip/Limiter

High-current toroidal transformers for greater 2 ohms power, lower noise and increased reliability and performance

Switchable input peak limiter and selectable high pass filter (30 Hz, 50 Hz) to reduce distortion and protect speakers

Complete amplifier protection

Two low pass filters with selectable frequencies at 60, 90 or 120 Hz for subwoofer use (3100 and 5100 models only)

Dual mono, high current power supply for increased reliability and performance (5000 and 5100 models only)



FEATURES

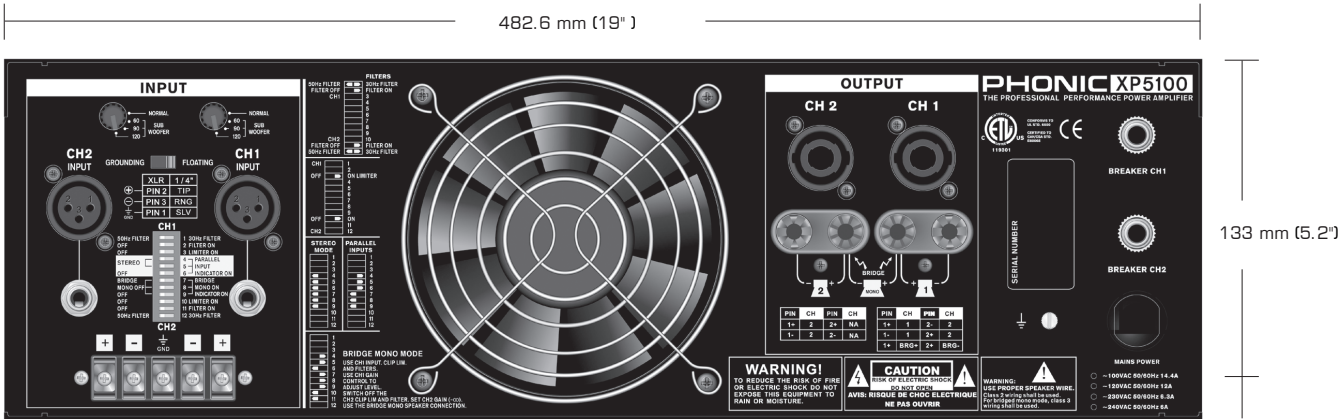
- ▶ Independent user-defeatable clip limiters reduce distortion
- ▶ Balanced 1/4" TRS and XLR inputs; binding posts and SpeakonR-type outputs (barrier strip inputs on 5000 and 5100)
- ▶ Selectable stereo, parallel & bridge mono amp modes
- ▶ Signal level LED indicators at -40, -20, -10, Protect and Clip to monitor performance
- ▶ Front mounted detent gain controls for easy access
- ▶ Fast recovery design for lower distortion if clipping occurs
- ▶ Advanced protection circuitry guards against: short circuit, open circuit, thermal, ultrasonic, and RF protection, stable into mismatched loads, on/off muting, DC fault output crowbar
- ▶ Ground lift switch to prevent hum
- ▶ Two variable speed fans (one on 5000 and 5100)
- ▶ Rugged housing

Phonic XP Series power amplifiers deliver from 1120 to 5000 Watts of power in two to three rack spaces. Built around robust and advanced toroidal transformers, they deliver clean power on demand. The advanced protection circuitry guards against short circuit and open circuit, and also protects against ultrasonic and RF interference. A high current power supply increases reliability and performance. Other features include center-detented gain controls, input peak limiter, selectable high pass filter, and fast recovery to ensure low distortion. The variable speed fans effectively cool the amp and protect against overheating. Input is through XLR or 1/4" connectors, while you can use Speakon®-type or binding post connectors for output. The XP 3100 and 5100 power amps have sub woofer outputs with a selectable low pass filter at 60, 90 or 120 Hz. Phonic XP Power Amplifiers are specially designed for professionals who value high power, audio clarity, reliability and lasting performance.

PHONIC

Specifications

	XP 1000	XP 2000	XP 3000 / XP 3100	XP 5000 / XP 5100
Stereo Mode (driving both channels)	Continuous Average Output Power Per Channel			
8 ohms 20Hz-20KHz 0.03% THD	250W	400W	600W	1050W
4 ohms 20Hz-20KHz 0.05% THD	400W	600W	1000W	1600W
8 ohms EIA 1KHz 1% THD	275W	450W	650W	1100W
4 ohms EIA 1KHz 1% THD	440W	660W	1100W	1800W
2 ohms EIA 1KHz 1% THD	560W	960W	1400W	2500W
Bridge Mono Mode	Continuous Average Output Power			
8 ohms 20Hz-20KHz 0.1% THD	800W	1200W	2000W	3200W
4 ohms 1KHz 1% THD	1120W	1920W	2800W	5000W
All Models				
Subwoofer output	N/A	Selectable subwoofer crossover at 60Hz, 90Hz, 120Hz (XP 3100, 5100 only)		
Input sensitivity	1.23 Vrms			
Noise (unweighted 20Hz-20KHz below rated output)	106dB	107dB		
Distortion(SMPTE-IM)	<0.01%	<0.02%		
Damping Factor	>200 @ 8 ohms	>500 @ 8 ohms	>250 @ 8 ohms	
Output Circuitry	Class H Amplifier			
Filtering	High pass filter (30Hz, 50Hz)			
Frequency Response	20Hz-20KHz, 0/-1dB -3dB points: 5Hz-100KHz			
Input Impedance	20 K ohms balanced, 10 K ohms unbalanced			
Cooling	Dual continous variable-speed fans, front-to-rear air flow (one fan on 5000/5100, rear to front air flow)			
Connectors (each channel)	Input: XLR & 1/4" TRS jacks; barrier strip (5000/5100) Output: Speakon®-type and binding posts			
Indicators	Power: Amber Phonic logo; Parallel: Green backlight icon; Bridged: Red backlight icon CLIP/LIM: Red LED; PROTECT: Yellow Green LED for -10dB, -20dB and -40dB Signal Lights			
Controls				
Front panel	CH1 & CH2 GAIN knobs with 41 detents Selectable low frequency crossover at 60Hz, 90Hz and 120Hz (XP 3100 only)			
Rear panel	Slide switches: Limiter On/Off; Operation modes: Parallel, Stereo, Bridge Mono Grounding / Floating and Selectable low cut filter at 30Hz and 50Hz (low pass filters on 5000/5100 only)			
Amplifier Protection	Short circuit, thermal, subsonic, RF protection, Output DC offset, Heatsink and transformer over-heat protection, Power on/off muting, Soft start power on			
Power Requirement (depends on region)	100-120VAC, 220-240VAC, 50/60Hz			
Dimensions (WxHxD)	482.6 x 88 x 415mm (19" x 3.46" x 16.3")		482.6 x 133 x 415mm (19" x 5.2" x 16.3")	
Weight	17.5kg (38.5 lbs)	21.8kg (48 lbs)	24.2kg (53.3lbs)	28.2kg (62.1bs)



XP5100 Back Panel

V1.2 06/13/08
Information in this document is
subject to change without notice.