

XP1000

1120 Watt Power Amp

XP2000

1920 Watt Power Amp

XP3000

2800 Watt Power Amp

XP5000

5000 Watt Power Amp

XP3100

2800 Watt Power Amp with
Subwoofer Output

XP5100

5000 Watt Power Amp with
Subwoofer Output



Features

- ▶ Independent user-defeatable clip limiters reduce distortion
- ▶ Balanced 1/4" TRS and XLR inputs; binding posts and Speakon®-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

Description

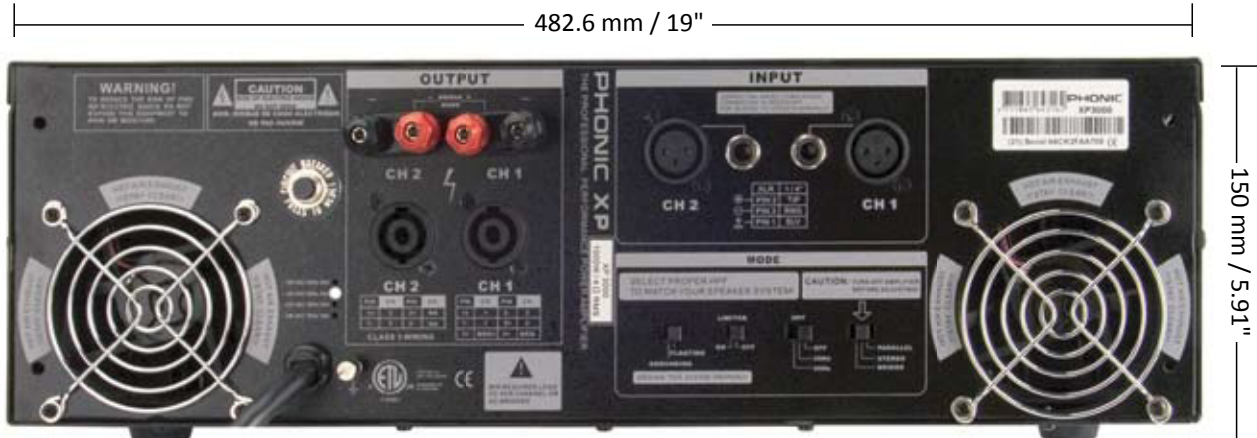
Phonic XP Series power amplifiers deliver from 1120 to 5000 Watts of power in two to three rack spaces. Built around robust and advanced toroidal transformers, they deliver clean power on demand. The advanced protection circuitry guards against short circuit and open circuit, and also protects against 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.

XP SERIES

Professional Stereo Amplifiers

Dimensions

XP1000 | XP2000 | XP3000 | XP3100 | XP5000 | XP5100



Specifications

	XP1000	XP2000	XP3000 / XP3100	XP5000 / XP5100
Stereo Mode (driving both channels)	Continuous Average Output Power Per Channel			
8Ω 20Hz-20KHz 0.03% THD	250W	400W	600W	1050W
4Ω 20Hz-20KHz 0.05% THD	400W	600W	1000W	1600W
8Ω EIA 1KHz 1% THD	275W	450W	650W	1100W
4Ω EIA 1KHz 1% THD	440W	660W	1100W	1800W
2Ω EIA 1KHz 1% THD	560W	960W	1400W	2500W
Bridge Mono Mode	Continuous Average Output Power			
8Ω 20Hz-20KHz 0.1% THD	800W	1200W	2000W	3200W
4Ω 1KHz 1% THD	1120W	1920W	2800W	5000W
All Models	Selectable subwoofer crossover at 60Hz, 90Hz, 120Hz (XP3100 & XP5100 only)			
Subwoofer output	1.23 Vrms			
Input sensitivity	106 dB			
Noise (unweighted 20Hz-20KHz below rated output)	107 dB			
Distortion (SMPTE-IM)	<0.01%			
Damping Factor	>200 @ 8Ω			
Output Circuitry	>500 @ 8Ω			
Filtering	>250 @ 8 HOMS			
Frequency Response	Class H Amplifier			
Input Impedance	High pass filter (30Hz, 50Hz)			
Cooling	20Hz-20KHz, 0/-1dB, -3dB points: 5Hz-100KHz			
Connectors (each channel)	20 kΩ balanced, 10 kΩ unbalanced			
Indicators	Dual continous variable-speed fans, front-to-rear air flow (one fan on 5000/5100, rear to front air flow)			
Controls	Input: XLR & 1/4" TRS jacks; barrier strip (5000/5100) Output: Speakon®-type and binding posts			
Front panel	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			
Rear panel	CH1 & CH2 GAIN knobs with 41 detents; selectable low frequency crossover at 60Hz, 90Hz and 120Hz (XP 3100 only)			
Amplifier Protection	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)			
Power Requirement (depends on region)	Short circuit, thermal, subsonic, RF protection, Output DC offset, Heatsink and transformer over-heat protection, Power on/off muting, Soft start power on			
Dimensions (WxHxD)	100-120VAC, 220-240VAC, 50/60Hz			
Weight	482.6 x 105 x 400mm (19" x 4.13" x 15.75")			
	16.6kg (36.7 lbs)			
	482.6 x 150 x 400mm (19" x 5.91" x 15.75")			
	20.68kg (45.6 lbs)			
	24.2kg (53.3lbs)			
	30.2kg (66.6bs)			