

XP2000

1920 Watt Power Amplifier

XP3000

2800 Watt Power Amplifier

XP5000

5000 Watt Power Amplifier

XP6000

6000 Watt Power Amplifier



Features

- ▶ High continuous current output from robust toroidal transformer
- ▶ Independent user-defeatable clip limiters reduce distortion
- ▶ Selectable stereo, parallel & bridge mono amp modes
- ▶ Balanced 1/4" TRS and XLR inputs; binding posts and Speakon-type outputs (barrier strip inputs on 5000 and 6000)
- ▶ 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 (single variable speed fan on XP5000 and XP6000)
- ▶ Rugged housing
- ▶ Requires 3U of a standard 19" rack

Description

Phonic's XP series of power amplifiers deliver from 1920 to 6000 Watts of power in three standard rack units. 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 (and barrier strips on the XP5000 and XP6000), while you can utilize Speakon-type or binding post connectors for output. Phonic XP power amplifiers are specially designed for professionals who value high power, audio clarity, reliability and lasting performance.

XP SERIES

Professional Stereo Amplifiers



Specifications

	XP2000	XP3000	XP5000	XP6000
Stereo Mode (driving both channels)	Continuous Average Output Power Per Channel			
8Ω 20Hz-20KHz 0.03% THD	400W	600W	1050W	1420W
4Ω 20Hz-20KHz 0.05% THD	600W	1000W	1600W	2180W
8Ω EIA 1KHz 1% THD	450W	650W	1100W	1500W
4Ω EIA 1KHz 1% THD	660W	1100W	1800W	2400W
2Ω EIA 1KHz 1% THD	960W	1400W	2500W	3000W
Bridge Mono Mode	Continuous Average Output Power			
8Ω 20Hz-20KHz 0.1% THD	1200W	2000W	3200W	4800W
4Ω 1KHz 1% THD	1920W	2800W	5000W	6000W
System Specifications				
Input Sensitivity	1.23 Vrms			
Noise (unweighted 20Hz-20KHz below rated output)	107 dB			
Distortion (SMPTE-IM)	<0.02%			
Damping Factor	>500 @ 8Ω		>250 @ 8Ω	
Output Circuitry	Class H Amplifier			
Filtering	High pass filter (30Hz, 50Hz)			
Frequency Response	20Hz-20KHz, 0/-1dB, -3dB points: 5Hz-100KHz			
Input Impedance	20 kΩ balanced, 10 kΩ unbalanced			
Cooling	Dual continuous variable-speed fans, front-to-rear air flow (one fan on XP5000/XP6000, rear to front air flow)			
Connectors (each channel)	Input: XLR & 1/4" TRS jacks; barrier strip (XP5000/XP6000) Output: Speakon-type and binding posts			
Indicators	Power: Blue LED; Parallel: Yellow LED icon; Bridged: Red LED icon; CLIP/LIMIT: Red LED; PROTECT: Yellow LED; -10, -20 and -40dB: Green LEDs			
Controls				
Front panel	CH1 & CH2 GAIN knobs with 41 detents			
Rear panel	Slide switches: Limiter On/Off; Operation modes: Parallel, Stereo, Bridge Mono Grounding / Floating			
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 133 x 415mm (19" x 5.2" x 16.3")			
Weight	21.8kg (48lbs)	24.2kg (53.3lbs)	28.2kg (62.1lbs)	<35kg (<77lbs)

Information in this document is subject to change without notice.

Page 2