

TWO-CHANNELS CLASS H-PROFFESIONAL AMPLIFIER



DESCRIPTION

The TecnaRE PA Series of power amplifier represent a new era in affordable, high quality performance and reliability with the latest power amplifications technologies. The line consists of five models in a uniform, rugged 2U chassis, the sound quality and durability of class H designs with the innovation of the latest power devices available.

	2-channels, power output per channels			
	PA900	PA2100	PA3000	PA5000
4 Ohm	450	990	1.450	2600
8 Ohm	350	700	1250	1500

The four models of two channels in the series are the PA900, PA1200, PA300 and PA5000. They are identical except for output power, voltage Gain and weight.

It features independent gain knobs, signal clip and fault LEDs, stereo XLR input and Output link, 1.4 V to 0.775 V input sensitivity switch, mono - stereo - bridge switch, speakon outputs.

Moreover, it is protected against shorts and open circuits. Thanks to its high efficiency heat sinks and high speed DC fans, the DP Series can withstand the hardest heat conditions ensuring great reliability.

PA900 is a 2 channels power amplifier that delivers up to 2 x 450 W RMS @ 4 Ω (900 W RMS bridged @ 8 Ω), weighing just 12,7 kg.

PA2100 is a 2 channels power amplifier that delivers up to 2 x 990 W RMS @ 4 Ω (1980 W RMS bridged @ 8 Ω), weighing just 14,5 kg.

PA3000 is a 2 channels power amplifier that delivers up to 2 x 1450 W RMS @ 4 Ω (2900 W RMS bridged @ 8 Ω), weighing just 19,5 kg.

PA5000 is a 2 channels power amplifier that delivers up to 2 x 2600 W RMS @ 4 Ω (5150 W RMS bridged @ 8 Ω), weighing just 19,5 kg.

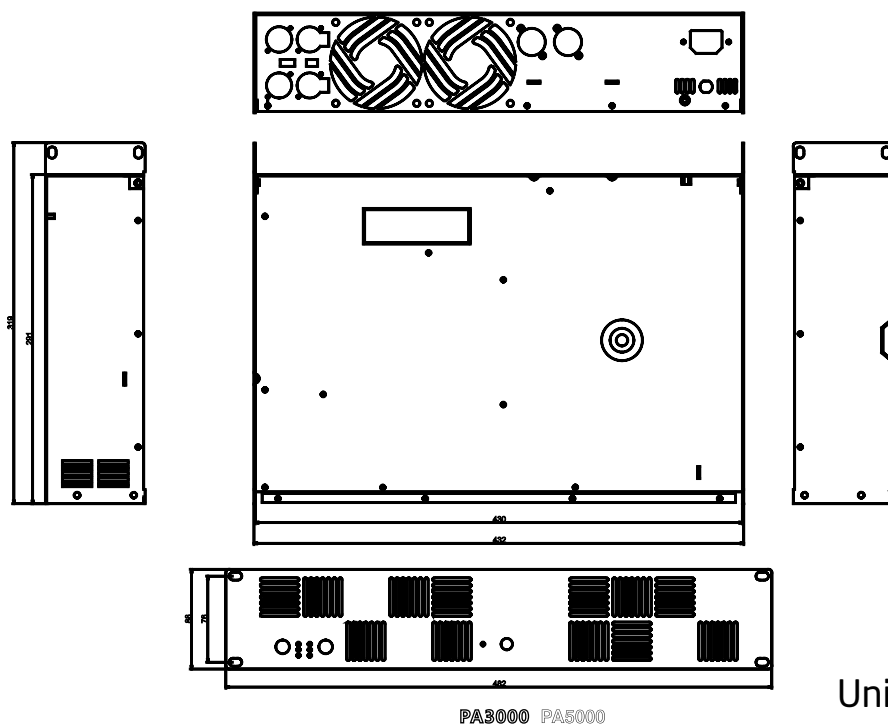
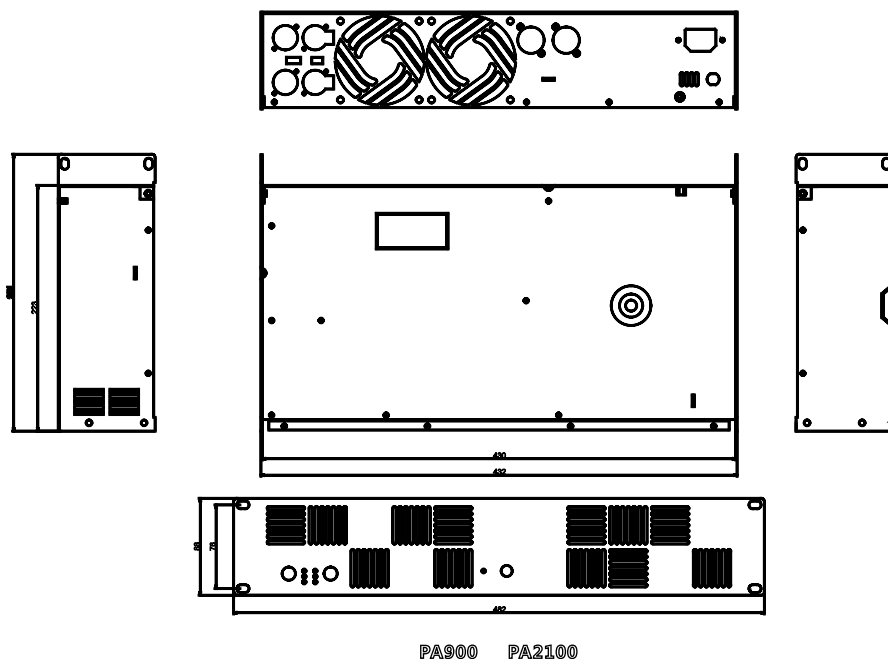
MAIN APPLICATIONS

- Small and medium size PA systems
- Djs
- Club Sound
- Live Sound and public spaces
- Worship systems

MAIN FEATURES

- 2 unit 19" rack, easy transportation
- Low distortion
- Extensive protection ensure high reliability and operating safety
- Efficient forced-air fan prevents excessive thermal buildup
- Electronically balanced XLR input; SPEAKON® NL4 output connectors
- Easy to configure in parallel / mono / bridge modes

DIMENSIONS



Unit:mm

SPECIFICATIONS

Rated Power/model	PA900	PA2100	PA3000	PA5000
4Ω stereo (per channel)	450W	990W	1450W	2600W
8Ω stereo (per channel)	350W	700W	1250W	1500W
8Ω bridge mono	900W	1980W	2900W	5150W
Performance				
Frequency Response (at 1 Watt)	20Hz-20KHz, ±1dB			
Total Harmonic Distortion (THD)	<0.5%, 20Hz - 20KHz			
Intermodulation Distortion 60Hz and 7Khz at 4:1 from full rate output to -30dB	= / < 0.35%			
Slew Rate	>20V/μs			
Voltage Gain (@8Ω, 1.4v)	31dB	34dB	37dB	37dB
Damping Factor (8Ω) 10Hz-400Hz)	>200			
Sinal to Noise Ratio (below rated power, 20Hz to 20KHza. A weighted)	>100dB			
Crosstalk Below rated power)	-75dB -58dB			
Input Sensitivity full rated power at 8Ω	0.775 or 1.4 V			
Input Impedance (nominal) Balanced/Unbalanced	20K ohm / 10K ohm			
Construction				
Protection	Protection against short circuits, no-load, on/off mutting, RF interference, DC			
Ventilation	Flow-through ventilation from front to back			
Cooling	Internal heat sinks with force air. Fan cooled, speed regulated, thermal protection.			
Power cord specification	IEC 16A, 250v			
Power consumption	350 W	700 W	800 W	1140 W
Inrush current	11 A	21 A	22 A	34 A
Chassis size (unit mm)	482x227x88		482x294x88	
Net weight	12.7kg	14.5kg	19.5kg	



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sound systems