

## FOUR-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.

The two models of four channels in the series are the PA4.450 and PA4.1500. They are identical except for output power and voltage Gain.

It features independent gain knobs, signal clip and fault LEDs, stereo XLR input, 1.4 V to 0.775 V input sensitivity switch, mono - parallel - 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.

PA4.450 is a 4 channels power amplifier that delivers up to 4 x 550 W RMS @ 4 Ω (2x1000 W RMS bridged @ 8 Ω), weighing just 8 kg.

PA4.1500 is a 4 channels power amplifier that delivers up to 4 x 1670 W RMS @ 4 Ω (2x4000 W RMS bridged @ 8 Ω), weighing just 8 kg.

#### 4 channels, power output per channels

|       | PA4.1500 | PA4.450 |
|-------|----------|---------|
| 4 Ohm | 1.670    | 550     |
| 8 Ohm | 1.220    | 350     |

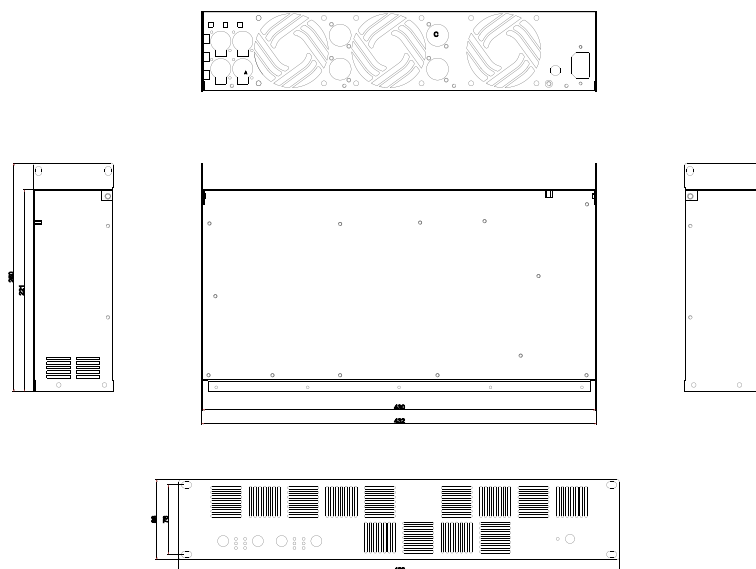
### MAIN APPLICATIONS

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

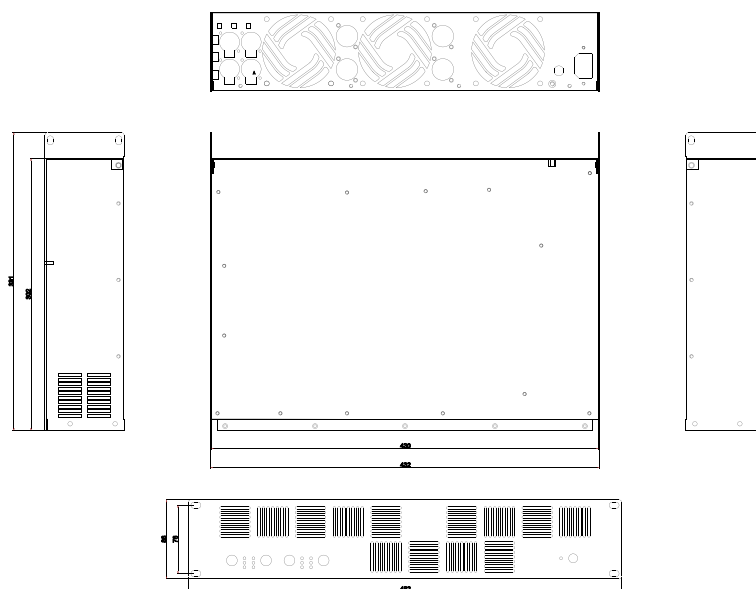
### MAIN FEATURES

- 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



**PA4.450**



**PA4.1500**

Unit:mm

## SPECIFICATIONS

| Rated power /model                                                            | PA4.450                                                                              | PA4.1500 |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------|
| 1kHz(HIA)with0.5%THD                                                          |                                                                                      |          |
| 4Ω stereo(per channel)                                                        | 4x550W                                                                               | 4x1670W  |
| 8Ω stereo(per channel)                                                        | 4x350W                                                                               | 4x1220W  |
| 8Ω bridge mono                                                                | 2x1000W                                                                              | 2x4000W  |
| Performance                                                                   |                                                                                      |          |
| Frequency Response(at 1 Watt)                                                 | 20Hz-20KHz, +0-1dB                                                                   |          |
| Total Harmonic Distortion(THD)                                                | <0.5%,20Hz-20KHz                                                                     |          |
| Intermodulation Distortion60Hz and 7KHz at 4:1from full rated output to -30dB | = / <0.35%                                                                           |          |
| Slew Rate                                                                     | >20V/us                                                                              |          |
| Voltage Gain                                                                  | 33dB                                                                                 | 37.8dB   |
| Damping Factor(8ohms)10Hz-400Hz                                               | >200                                                                                 |          |
| Signal-to-Noise Ratio (below rated power,20Hz to 20kHz. A-weighted)           | >100dB                                                                               |          |
| Crosstalk(below rated power)<br>At 1kHz<br>At 20kHz                           | -75dB<br>-58dB                                                                       |          |
| Input Sensitivity for full rated power at 8Ω                                  | 0.775V or 1.4V                                                                       |          |
| Input impedance(nominal)<br>Balanced<br>Unbalanced                            | 20K ohms<br>10k ohms                                                                 |          |
| Construction                                                                  |                                                                                      |          |
| Protection                                                                    | Protection against short circuits, no-load, on/off muting, RF interference.          |          |
| Ventilation                                                                   | Flow-through ventilation from front to back                                          |          |
| Cooling                                                                       | Internal heat sinks with forced air. Fan cooled, speed regulated, thermal protection |          |
| Power cord specification                                                      | Plug : 10A , 250V Wire:3x1.0mm                                                       |          |
| Chassis size( unit mm)                                                        | 482x227x88                                                                           |          |
| Net weight                                                                    | 8.0kg                                                                                |          |



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sound systems