



The most important features

The new Axxent T-Series power amplifiers are optimized for constant voltage distribution (100 volts) in fixed installations. The 19" rackmount case with 2 U perfectly fits into standard racks. The temperature controlled quiet fan guarantees constant operation conditions, and is automatically idling at low output power. Electronic circuits with LED indicators perfectly protect amplifier and loudspeakers in cases like thermal overload or short circuit. Operating conditions, such as power on/off, signal present, signal peaks close to clipping (separately for each channel), and the onset of protection circuits are indicated through different colour LEDs.

The inputs are equipped with balanced XLR connectors, the outputs with touch proof binding posts. The robust case and chassis are made of heavy duty steel with powder coated front panel. The amplifier models offer a cost efficient solution in installations with constant voltage distribution and power requirements of 2 x 120 watts (model AX 2120T) and 2 x 240 watts (model AX 2240T). The newly developed unique ILM™-Technology steadily monitors the output current for abnormal conditions, e.g. short circuits, thereby protecting amplifier and loudspeakers and eliminating the need for high pass filters. The power cable is detachable with plug on the rear side of the case. CE-Certificate for European wide operation.

Data and facts

- Output power 2 x 120 W (model AX 2120T) and 240 W (model AX 2240T) @ 100 V constant voltage
- Unique ILM™ technology controls output current and protects amplifier and loudspeakers
- Balanced XLR connectors on inputs and signal loop-trough, binding posts (touchproof) on outputs
- Quiet, temperature controlled fan
- detachable knobs with blind cover and rear on/off switch for improved safety against unauthorized modifications
- Dimensions: 483 (19") x 88 (2 U) x 387 mm (w X h X d)
- Net weight: 12 kg (model AX 2120T)
15 kg (model AX 2240T)
- Case and chassis of heavy duty steel, powder coated
- European high quality product
- **6 years warranty**



Technical Specifications

Output Power (100 V, 1 kHz, 1% THD)

Model AX 2120T: 2 x 120 W

Model AX 2240T: 2 x 240 W

Input Sensitivity

1 V

Input Impedanz

20 k Ω , balanced

Total Harmonic Distortion (THD)

<0,02% @ 1 kHz

Frequency Response

20-20 000 Hz (+0/-3 dB)

Signal to Noise Ratio

>100 dB

Output Voltage

100 V at nominal input voltage

Cooling

automatic controlled variable speed fan

Inputs

XLR (balanced, male and female)

Outputs

binding posts, touch proof

Electronic Protections

Thermal overload, short circuit, open circuit, current limiter and RF. Stable into reactive and mismatched loads.

LED Indicators

for on/off, signal present, activation of protection circuits and signal overload (peak and protect)

Power Supply 230 V AC, 50 Hz

Power Consumption

Full Power: 530 W (AX 2120T), 1060 W (AX 2240T)

$\frac{1}{3}$ Power: 235 W (AX 2120T), 440 W (AX 2240T)

$\frac{1}{8}$ Power: 130 W (AX 2120T), 230 W (AX 2240T)

Heat Emission

Full Power: 254 kcal (AX 2120T), 482 kcal (AX 2240T)

$\frac{1}{3}$ Power: 135 kcal (AX 2120T), 245 kcal (AX 2240T)

$\frac{1}{8}$ Power: 86 kcal (AX 2120T), 145 kcal (AX 2240T)

Figures also available in Btu/hr

Dimensions

483 (Standard 19"-Rack) x 88 (2U) x 387 mm (W x H x D)

Net Weight

Model AX 2120T: 12 kg; Model AX 2240T: 15 kg



Architect Specifications

Two channel power amplifier with constant voltage output (100 V); output power 2 x 120 W (2 x 240 W) at rated output voltage; input: XLR connectors, balanced; output: binding posts (touch proof); variable speed fan; electronic protection circuits for short circuit, thermal overload and current limiter; indicators for on/off, signal present and signal peaks before clipping for each channel; gain adjustment for each channel; heavy duty steel chassis and case, powder coated; detachable blind knob covers; on/off switch on rear side; detachable power supply cable with plug on rear side; 19" rack housing (2U); dimensions 483 x 88 (2U) x 287 mm (W x H x D); Net weight 12 kg (15 kg); The amplifier should be an Axxent model AX2120T (AX2240T).

Data in parentheses = Model AX 2240T.