Professional Amplifier

TC-4200B

Description

It is a new generation of high-power professional digital amplifier, which is characterized by high efficiency, stability and excellent sound quality. It has broken through the traditional technology in power technology, modulation technology and control technology, so as to substantially improve the overall performance. The application of variable oscillator modulation technology, multiple feedback control technology and innovative output power control technology endow the amplifier with over 95% ultra-high efficiency and excellent stability. And it is specially applicable to large-scale sound reinforcement venues, tour performance multipurpose halls, etc.

Feature

*Using high-efficiency power amplifier circuit, the output can be bridged to 8 ohms.
*Adopt switching power supply to supply power, with overvoltage protection function.
*1U chassis design, small size and light weight.
*Support voltage limit, over temperature protection, over current protection, output DC protection, output short circuit protection and other functions.
*Support XLR balanced input and SPEAKON audio socket output.
*Support optional three modes: MONO/STEREO/BRIDGE.
The normal load is 8Ω, and the minimum load is 4Ω.

Specification

Output power	Stereo 8Ω: 200W×4 Stereo 4Ω: 380W×4 Bridge 8Ω: 760W
Input sensitivity	2.2dBu(1V)
Input impedance	10KΩ
Frequency response (@1W power)	20Hz-20KHz/±1dB @8Ω
THD+N (@1/8 power)	≤0.01%
Separation (@1KHz)	≥80dB
Damping coefficient (@1KHz)	≥200@ 8 ohms
SNR (A-weighted)	≥93dB
Input voltage	220V~230V(50Hz)
Overall power consumption	300W
Dimension (L×W×H)	484*353*44mm
Weight	5.3kg

Notes: Output power: according to CEA-2006-B/CEA-490-A standard using 20ms pulse 1kHz sine wave measured under 1% total harmonic distortion.
Overall power consumption: according to GB4943.1-2022 test method: measured under 1kHz sine wave rated load 1/8 power conditions.