



compact, quiet amplifier - 2 x 300 W at 4 ohms, 2 x 165 W at 8 ohms

The new axxent amplifier CLP2300 combines three major characteristics, rarely offered jointly in one unit: compact design, high power and fanless passive cooling. The model CLP2300 comes in a rugged steel rack case with just 1 U (44 mm). Despite the high output power of 300 watts per channel at 4 ohms the amplifier remains completely quiet. While the first two characteristics are not so infrequently, the third one really is exceptional.

Reason for developing this amplifier is based on the requirements of sound consultants, system integrators and system operators for an absolutely noiseless amplifier for use in conference rooms, houses of worship, museums, recording studios, educational training rooms, mourning halls etc. In addition a relatively high output power was required in order to drive large scale reinforcement systems.

axxent has reacted to these requirements – normally not going together easily – and has developed the amplifier model CLP2300. Conceptual basis for this engineering task was the tie in of switched mode power supply with a high efficient class H output stage, ensuring low heat loss. The amplifier circuitry is completely analog, offering low distortion values at low and high power levels.

The amplifier is equipped with balanced XLR connectors for inputs and signal loop trough and with Neutrik Speakon connectors on the outputs. Each input features an adjustable attenuator for up to -30 dB. An internal highpass filter acts as a defeatable rumble filter peaking at 30 Hz.

Limiter, clip limiter, a complete set of LED indicators for the operating mode of each channel, protection circuits against short circuit and thermal overload complete the list of features.

The amplifier model CLP2300 is housed in an extreme rugged steel case and even offers rear fastening eyelets for rack mounting. For surface mounting rubber feet are provided.

the most important features

- output power 2 x 300 w at 4 ohms
- output power 2 x 165 w at 8 ohms
- quiet noiseless operation
- compact 19" steel rack case, only 1 U
- inputs and loop through with Neutrik XLR
- outputs with Neutrik Speakon
- controls for input sensitivity on front
- level attenuators up to -30 dB on rear side
- rumble filter 35 Hz, defeatable
- mains IEC socket
- mains on/off switch on front
- dimensions 483 x 44 x 365 mm (w x h x d)
- weight 6.2 kg
- rugged, robust steel case, powder coated
- limiter on in- and outputs
- European quality product



technical data

output power (@1 kHz)

- 4 Ω: 300 w/ch, .15% THD, 1 channel active
- 4 Ω: 280 w/ch, .15% THD, 2 channels active
- 8 Ω: 170 w/ch, .15% THD, single channel operation
- 8 Ω: 160 w/ch, .15% THD, two channels active

frequency response 25 - 25.000 Hz, -1 dB,
high pass filter deactivated

signal/noise ratio

>100 dB, A-weighted

input sensitivity

1 v (nominal output power @4 Ω)

input impedance

20 kΩ, balanced

rumble filter

35 Hz, -3 dB, internally defeatable

amplifier output stage

class H

controls on front side

mains switch and gain

controls on rear side

attenuation up to -30 dB

indicators

- both channels/temperature/protection: red LED
- output signal: green LED
- operation (on): green LED
- signal clipping: yellow LED
- input overload: yellow LED

connectors

mains IEC socket, cable included

connectors

input Neutrik 3-pin XLR-F, and Neutrik 3-pin XLR-M for loop thru

connectors

output: Neutrik 4-pin Speakon,
wiring: pin 2 + and pin 1 -

cooling

heatsinks ensure safe thermal conditions
and quiet operation

protection circuits

short circuit and thermal overload

mains

230 volts AC, 50 Hz
fuse: 6.3 A slow blow, size 5 x 20 mm

dimensions

483 x 44 x 365 mm/1 U height

case

stainless steel, powder coated, with rubber feet
rackmount ears for 19" racks and rear fastening eyelets

weight

net 6.2 kg



architects' specifications

two-channel amplifier with noiseless cooling; 2 x 300 watts at nominal impedance 4 Ω, 2 x 160 watts at 8 Ω; inputs: 3 pin XLR, outputs: Neutrik Speakon; indicators for ON, signal presence, clip, limiter and protection; level control for input sensitivity and rear controls for attenuation of up to -30 dB; case stainless steel with 19" mounting brackets, 1 U; rubber feet for surface mounting; dimensions 483 x 44 x 365 mm (w x h x d); detachable mains cable. The amplifier should be an axxent model CLP2300.