

PRODUCT DATA

Audio Power Amplifier 100 W Stereo — Type 2716-C

Audio Power Amplifier Type 2716-C is a high-performance power amplifier optimised for sound and vibration applications. It can be used as a general-purpose power amplifier for electroacoustic applications.

USES

- Driver for loudspeakers, artificial mouths, etc.
- General-purpose audio power amplifier
- Power amplifier for audio analyzers

FEATURES

- Output-level meter
- Selectable gain
- Two balanced inputs
- Easy to install in a 19" rack



Description

Audio Power Amplifier Type 2716-C has two channels that can be used independently or jointly. Signals enter electronically balanced inputs, Input CH.A and Input CH.B, via XLR connectors. Output is approx. 300 W and is relatively independent of load.

Audio Power Amplifier Type 2716-C is compact and fits in a 19" rack. It has the same features and protection circuits normally found only in higher powered amplifiers.


Quiet Operation

Type 2716-C uses passive cooling during operation which removes the need for a cooling fan. The lack of a cooling fan, in turn, makes Type 2716-C very quiet during operation.

Extensive Protection

Power Amplifier Type 2716-C has circuits that protect it against short-circuits, DC, overheating, VHF and clipping (clip limiter may be switched off).

Compliance with Standards

	CE-mark indicates compliance with: EMC Directive and Low Voltage Directive. C-Tick mark indicates compliance with the EMC requirements of Australia and New Zealand
Safety	EN/IEC 60065, Audio, video and similar electronic apparatus – Safety Requirements
EMC Emission	EN 55103–1, E3: EMC – Product family standard for audio, video, audiovisual and entertaining lighting control apparatus for professional use – Part 1: Emission
EMC Immunity	EN 55103–2, E3: EMC – Product family standard for audio, video, audiovisual and entertaining lighting control apparatus for professional use – Part 2: Immunity
Temperature	IEC 60068–2–1 & IEC 60068–2–2: Environmental Testing. Cold and Dry Heat. Operating Temperature: +5°C to +40°C (+41 to +104°F) Storage Temperature: –25 to +70°C (–13 to +158°F)
Humidity	IEC 60068–2–3: Damp Heat: 90% RH (non-condensing at 40°C (104°F))
Mechanical	Non-operating: IEC 60068–2–6: Vibration: 0.3 mm, 20 m/s ² , 10–500 Hz IEC 60068–2–27: Shock: 1000 m/s ² IEC 60068–2–29: Bump: 1000 bumps at 250 m/s ²
Enclosure	IEC 60529: Protection provided by enclosures: IP20

Specifications – Audio Power Amplifier Type 2716-C

MAXIMUM OUTPUT POWER^a

Load	EIA @ 1 kHz and 1% THD
8 Ω stereo	110 W
4 Ω stereo	160 W
2 Ω stereo	200 W
8 Ω bridged	320 W
4 Ω bridged	400 W

SPEAKER PROTECTION

Short-circuit, DC, VHF a thermal protection is provided

FREQUENCY RESPONSE (8 Ω, 1 W)

20 Hz – 20 kHz: +0, –1 dB

a. Measured specifications for a 230 V AC. Continuous power (1 hour) is 1/3 of this

INPUTS AND OUTPUTS

Gain: 30 dB ± 1 dB

Input Attenuator: 0–30 dB in 6 dB ± 0.3 dB steps

Impedance: 20 kΩ

Common Mode Rejection: 50 dB@1 kHz

Slew Rate: 25 V/μs

Output Impedance: 0.03 Ω

Hum and Noise: More than 105 dB below max. power

Channel Separation: 70 dB@10 kHz

FRONT PANEL

Gain Controls: 2–channels, A and B

Clip Indicator: 2 red LEDs, fast peak and slow release or shorted output

Protection Indicator: 2 yellow LEDs, 80°C at heat sink or 12 kHz at full power

Present Indicator: 2 green LEDs, –25 dB at input

On Indicator: 2 green LEDs, DC rail voltage for channel A and B

REAR PANEL

Input Connectors: Two XLR-type, 3-pin female (pin 2+) and 1/4" jack

Output Connectors: Two Neutrik®, 4-pin, Speakon® sockets

Link: Stereo – Link/Bridge A + B

Clip Limiter: On/Off

POWER REQUIREMENTS

Voltage Selector: 230 V/115 V

DIMENSIONS

W × H × D: 48.3 × 4.4 × 28.0 cm
(19 × 1.7 × 11 inches)

WEIGHT

7.5 kg (16.5 lb.)

Ordering Information

Type 2716-C-001 Audio power amplifier (no accessories)

Type 2716-C

2 × WL-1324

2 × WL-1325

Audio Power Amplifier with the following accessories:
BNC to XLR cable, 3 m
2 Banana to Speakon® cable, 5 m

OPTIONAL ACCESSORIES

AQ-0621 Bridging cable

TRADEMARKS

Neutrik and Speakon are registered trademarks of Neutrik AG

Brüel & Kjær reserves the right to change specifications and accessories without notice

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