

# 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
<b>Safety</b>	EN/IEC 60065, Audio, video and similar electronic apparatus – Safety Requirements
<b>EMC Emission</b>	EN 55103–1, E3: EMC – Product family standard for audio, video, audiovisual and entertaining lighting control apparatus for professional use – Part 1: Emission
<b>EMC Immunity</b>	EN 55103–2, E3: EMC – Product family standard for audio, video, audiovisual and entertaining lighting control apparatus for professional use – Part 2: Immunity
<b>Temperature</b>	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)
<b>Humidity</b>	IEC 60068–2–3: Damp Heat: 90% RH (non-condensing at 40°C (104°F))
<b>Mechanical</b>	Non-operating: IEC 60068–2–6: Vibration: 0.3 mm, 20 m/s <sup>2</sup> , 10–500 Hz IEC 60068–2–27: Shock: 1000 m/s <sup>2</sup> IEC 60068–2–29: Bump: 1000 bumps at 250 m/s <sup>2</sup>
<b>Enclosure</b>	IEC 60529: Protection provided by enclosures: IP20

## Specifications – Audio Power Amplifier Type 2716-C

### MAXIMUM OUTPUT POWER<sup>a</sup>

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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