

QPS 9600

HIGH POWER AMPLIFIER



DESCRIPTION

QPS 9600 is a 4 channel power amplifier that can handle exceptionally high power in a compact and lightweight 2 rack units space. Thanks to the class HD technology, this amplifier delivers up to 4 x 2400 W RMS @ 2 Ohm (4800 W RMS bridged @ 4 Ohm), weighting just 16 kg. It comes with switched mode power supply which ensures that a predominantly resistive load is presented to the mains power supply; this also leads to an improved amplifier performance at high output levels. Thanks to its high efficiency heat sinks and variable speed DC fans, the QPS 9600 can withstand the hardest heat conditions ensuring great reliability.

MAIN FEATURES

- Fast response and low distortion
- Easy to configure in stereo / mono / bridge modes
- Extensive protective circuits ensure high reliability and operating safety
- Front panel signal / clippings / protection/ temperature LEDs indicators for each channel
- Minimum load impedance (stereo / mono): 2 Ohm
- XLR input connectors
- SPEAKON output connectors
- Voltage clip switchable limiters
- Gain settings
- Hard / Soft limiter switches
- 2 unit 19" rack, low weight for easy transportation

MAIN APPLICATIONS

- Small and medium sized PA systems
- Club sound
- DJs
- Performance and sport venues
- Worship systems
- Public spaces
- Cinemas

SPECIFICATIONS

AMPLIFIER

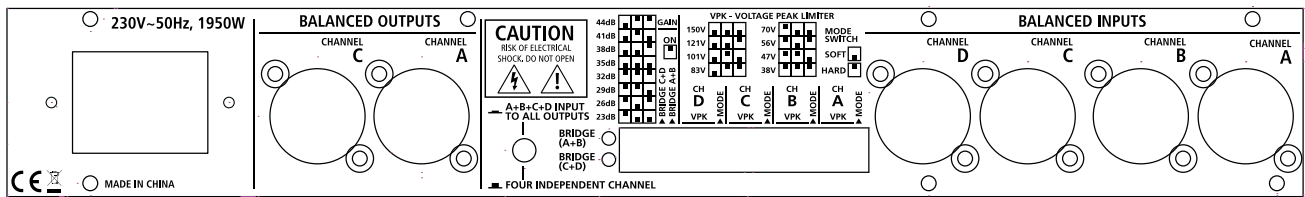
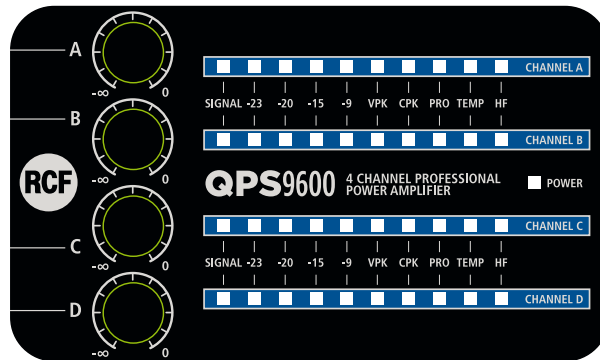
Output power (single channels)	4 x 1300 W @ 8 Ω 4 x 2200 W @ 4 Ω 4 x 2400 W @ 2 Ω
Output power (bridged channels)	2 x 4400 W @ 8 Ω 2 x 4800 W @ 4 Ω
Frequency response (\pm 3 dB)	20 Hz \div 25 kHz (\pm 0.5 dB)
Distortion	0.1% (rated power, 4 Ω)
Signal / noise ratio	110 dB
Amplifier gain (selectable)	23 \div 44 dB (3 dB steps)
Input Impedance	20 k Ω (balanced), 10 k Ω (unbalanced)

Protections	DC, HF, current, thermal drift
Operating voltage	115 / 230 V (according to the model), 50/60 Hz
Max. power consumption	1950 W
Dimensions (w, h, d)	483 mm, 88 mm, 445 mm (2U – 19" rack)
Net weight	16 kg
Operating temperature	0 \div +55 $^{\circ}$ C
Relative humidity	90% non condensing



QPS 9600

FRONT PANEL & REAR PANEL



QPS 9600

PART NUMBERS

121.35.102 (230 V)
121.35.103 (115 V)

1.0+1-A

INSTALLATION NOTES

QPS 9600 shall be mounted into a 19" rack cabinet (2 units each) through the included rack ears. In this case, it is necessary to add 2 P/AER-1V (1 unit) panels (one above and one below the amplifier) to ensure proper air circulation and heat dissipation.

ACCESSORIES (included)

- 2 audio input 4-pole removable connectors
- 1 amplifier output 4-pole removable connector
- Safety protection cover for amplifier outputs
- Rack ears with screws
- AC power cord
- User's guide
- Quick start instructions
- Warranty card

CERTIFICATIONS AND APPROVALS

- CE: it complies with European Community 2006/95/CE LVD and 2004/108/CE EMC
- Electromagnetic immunity according to IEC EN 55013+A1+A2, IEC EN 55020+A2+EC, EN 61000-3-2, EN 61000-3-3+A1
- Electronic apparatus safety requirements according to IEC EN 60065:2002

ACCESSORIES (included)

- AC power cord
- User's manual
- Warranty card



www.rcf.it