



RKB-1

Optional cooling fan for rack mount amplifiers

Description

Rotel's new custom power amplifiers address all of the demands of the professional custom installer: easy rack-mount installation, failsafe design, and set it and forget it operation. They also come with the most important features that all music lovers want: great sound and an affordable price.

This is all possible due to Rotel's Balanced Design Concept, a design philosophy that emphasizes an exhaustive analysis of every part that goes into our circuits to determine not which one will do, but which one will sound best.

There are three models to cover almost every custom

application. The RKB-650 is rated 6 x 50 watts RMS @ 8 ohms. These power amplifiers are extremely robust and are able to increase their output power into 4 ohms (20 Hz-20 kHz, 0.05% THD).

Each RKB power amplifier includes front access gain controls for easy settings, a security cover for tamper-proof installations, an IEC detachable power cord, a 12-volt trigger input for remote system operation, and rack mount capability. With high output power, high thermal stability and short-circuit protection, the RKB Series is the ideal solution to any permanently installed sound system.

Specifications

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| Continuous Power Output into 8 ohms (20-20k Hz, < 0.03% THD) | 6x50 watts/ch into 8 ohms, all channels driven | Frequency Response (± 1 dB) | 10Hz-100kHz |
| Continuous Power Output into 4 ohms (DIN 1 kHz, 1.0% THD) | 6 x 80 watts/ch into 4 ohms, all channels driven | S/N Ratio (IHF A) | 115 dB |
| Total Harmonic Distortion (20Hz-20kHz, 8 ohms) | Cont. rated power: < 0.03% One-half rated power: < 0.03% 1 watt power: < 0.03% | Crosstalk/Separation | > 70 dB |
| Intermodulation Distortion (60 Hz : 7 kHz, 4:1) | < 0.03% | Speaker Impedance | 4 ohms minimum |
| Damping Factor (20-20,000 Hz, 8 ohms) | >200 | Auto Turn On Level (with all inputs) | 3 mV input signal |
| Input Impedance | 20 k Ohms | Power Requirements | USA: 120 Volts, 60 Hz Europe: 230 Volts, 50 Hz |
| Input Sensitivity | 1.0 volt | Power Consumption | 450 Watts Idle: 42 Watts Standby: 2.6 Watts |
| Amplifier Gain: | 26 dB | Dimensions (W x H x D) (not including rack adaptors) | 430 x 144 x 429 mm 16 ⁷ / ₈ x 5 ¹¹ / ₁₆ x 16 ⁷ / ₈ in |
| Input Overload Level | 5.0 volt | Weight (net) | 15.5 kg, 34.1 lb. |
| Peak Current | > 25 A | Panel Height | 3U, 132.6 mm/5 ³ / ₁₆ in |

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