

DONIZETTI

Anniversary

POWER AMPLIFIER



The power amplifier Donizetti Anniversary, the new born of Audio Analogue, designed in the Airtech laboratories, is part of the Anniversary line, re-proposing another of the historical products of Audio Analogue. The only thing in common between this new model and previous versions of Donizetti remains the name, while the project and the technical solutions used are completely new. It is a high power stereo power amp: with its 250W@8Ω that doubles halving the impedance is able to perfectly drive any loudspeaker. The amplifier has a complete dual-mono configuration starting from the two 1200VA toroidal transformers specifically designed for low dispersed flow. Uses our SeGeSTA (Single Gain Stage Transconductance Amplifier) configuration followed by a group of four transistors to provide all the necessary current without affecting the gain stage performance. The amplifier does not use global feedback. The 4-layer printed circuit has been designed so that the input signal never crosses the output signal and that the sensitive amplification stages are as far from the power transformers as possible. All components are of the highest level, starting from military standard resistors to continue with the capacitors on Airtech specification up to the wiring made of 7N OCC copper and to the pure copper and gold-plated connectors. Donizetti Anniversary is available in silver and black.



AUDIO ANALOGUE
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Technical description

Zero Global feedback, all stages fully balanced, dual-mono configuration and discrete components circuits, power stage with 12 bipolar transistors per channel, 56000µF filter capacity per channel, oversized military resistors to minimize thermal distortion, "audiograde" capacitors on Airtech specifications, microcontroller management.

Technical specs

Parameter	Measurement conditions	Value
Channels:	-	2
Input impedance	-	47 kΩ
Gain	-	26 dB
Power on 8Ω load:	One channel working, 230V line	250 W @ 1% THD
Power on 4Ω load:	One channel working, 230V line	500 W @ 1% THD
Power on 2Ω load:	One channel working, 230V line	900 W @ 1% THD
Sensitivity	8Ω output, 250 W	2.3 V _{RMS}
Frequency Responce	Attenuation 0dB, -3dB band	110 KHz
Output resistance	8Ω nominal power and 1kHz	0.15 Ω
Input Noise:	Band limits 0Hz-80kHz A-weighted	≈10 µV ≈4 µV
Signal/noise ratio:	Attenuation: 0dB A weighted referred to 8Ω load nominal power	>110 dB
Standby power consumption:	230VAC	<1 W
Dimensions(HxWxD)	mm	221x450x428
Weight	Kg	41.20

