



Two 300B = 250 Watts

ALIENO

Vacuum Tube Stereo Power Amplifier, Pure Class A, Single Ended
OTL-OCL, with proprietary LTD technology.

ALIENO is distributed by Acustica Applicata – Italy

Alieno 250 LTD specifications

- **Typology:** Vacuum Tube Stereo Power Amplifier, Pure Class A, Single Ended OTL-OCL (Output Transformerless and Output Capacitorless), with proprietary LTD technology. The acronym means: "Loudspeaker Tube Direct".
Tubes are used exclusively for amplification circuitry and solid state exclusively for the power supply section. No hybridization of tube and solid state technology.
Transistors are utilized for power regulation, stabilization, and safety circuitry ONLY.
No hybrid tube/transistor sound !
- **Power Output:** @ 3 Ohms - 250 Wrms continuous per channel.
- **Distortion:** typically 0,1%, max 0,5% from 20 to 20.000 Hz.
- **Frequency Response:** $\pm 0,5$ dB from 5 to 100.000 Hz.
- **Internal bandwidth:** > 1 MHz
- **Gain:** 22dB.
- **Input sensitivity:** 2,5 Vrms.
- **Input impedance:** 100 K ohms (irrelevant capacity).
- **Input connectors:** Rca and XLR.
- **Optimal Load Impedance:** 2 – 8 Ohm.
- **Signal to Noise Ratio:** > 100 dB.
- **Damping Factor:** > 100.
- **Overall Negative Feedback:** totally absent Negative Feedback.
- **Slew Rate:** > 300 Volts/microseconds.
- **Output Current:** > 100 Amps peak per channel.
- **Tubes required per channel:** one ECC82, pre-ampli and driver tube.
one KT150, stabilizer tube.
one 300B, output power tube.
- **Tubes management:** Constant optimization of all tube operating parameters, including bias, over-voltage and over-current protection, along with real-time output impedance management.
Auto adjustment of balance differences between each tube in the circuit. Imprecisely matched tubes or individual tube lifecycle issues are wholly compensated by regulation circuits.
- **Protection features:** Thermal threshold independent for each channel.
One AC main fuse and five fuses on each power supply sector.
Protection for wrong connection between power supply unit and amplifier unit.
Double timer for a gradual loading of the charge on AC power grid.
Each protection has its independent warning led, including the fuses.
On/Off "thump" eliminated by delay relay transient protection.
Infallible loudspeaker protection circuitry.
- **Dimensions** (including cables plugs on rear panels):
Amplifier unit, cm. 45 x 50 x 28; inches 17,7" x 19,7" x 11" (W x D x H).
Power supply unit, cm. 45 x 60 x 27; inches 17,7" x 23,6" x 10,6" (W x D x H).
- **Weight:** 100 Kg net – 220,4 lb.



ACUSTICA APPLICATA

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