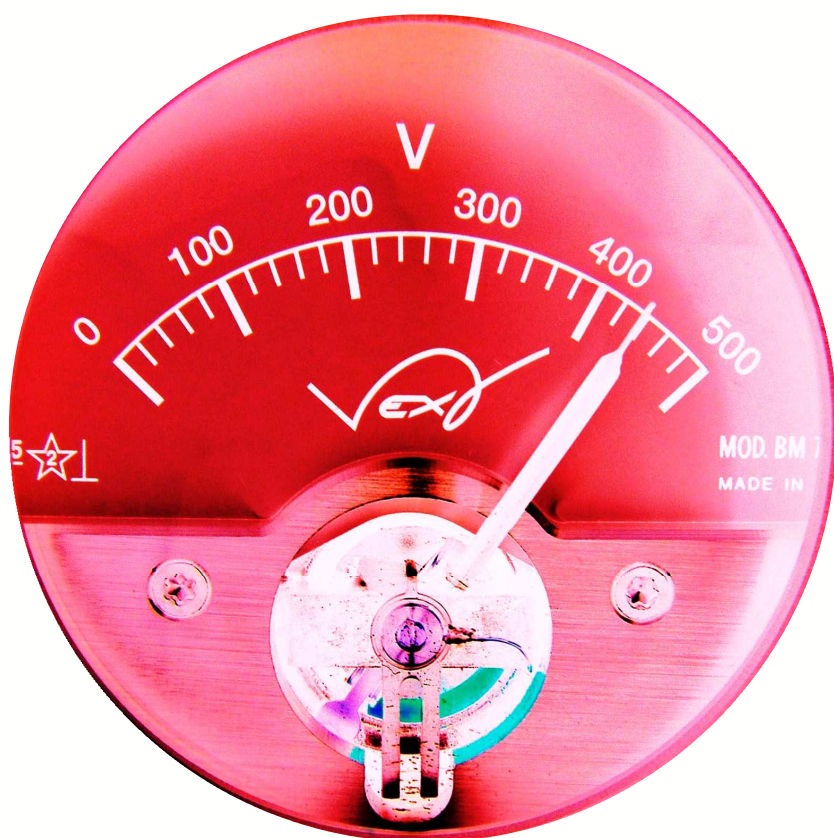




S line

True fully balanced tube equipment

Standard line

Performance & Design



*Handcrafted in Italy
by
VEXO audio design*

In contrast to the usual single-ended configuration of the most beloved direct heated triode, Vexo introduces the first and unique 300B power amplifier with double chassis, no monoblock, featuring a fully balanced tube power amplifier and an oversized separate power supply. This configuration can deliver 50 Watts per channel under 4 and 8 Ohms loads (**power amplifier S40**).

The massive top-level power amp is joined by the exclusive **pre-amplifier LP-PS**, that follows the same philosophy: it boasts on a double chassis, too, with a fully balanced tube line unit and a dedicated power supply. It also stands out for a sophisticated volume control that is based on relays and resistors with very high precision and stability and ultra finely operates via 80 steps, even by remote control.

2009

Shortly following the top power amp's introduction, the S series was completed with two proposals that allow to choose between 300B and 2A3 tubes, always retaining the double chassis configuration, as well as the balanced circuitry, but with less power output and measurements (**power amplifiers S20 and S30**).

An exclusive line of audio equipment with unique and special features, as the result of the most advanced and maniacal research in sound reproduction by the Vexo team. Top-level amplifiers and preamplifiers, boasting on fully balanced tube circuitry (with no discrete components or integrated circuits) and a double chassis.

The best of modern tube technology supported by an absolutely out of the ordinary, over-sized and separated power supply, in order to reach the best result in terms of performance while expressing the highest signal-to-noise ratio. These pieces of equipment express an extreme, no-compromise vocation and are entirely handmade by an highly skilled team: as a result, their level of smoothness, transparency and detail is truly amazing and their overall quality break a record. An effective matching of strength and gentleness is apparent in the use of the most beloved directly heated triodes of all time, the legendary 300B and 2A3. A perfect combination of sheer musicality and pleasure. "Real" sound machines for a new unequalled hi-end level, at last!

S line MAIN FEATURES

- True fully balanced tube (no discrete components or integrated circuits).
- Exclusive use of direct heated triodes (300B or 2A3 power stage).
- No negative feedback.
- Double chassis (power amp/ line-level pre-amp + power supply).
- Anode feeding with LC filter (tube rectifier + LC filter + stabilized feeding only for LP-PS pre-amp).
- Stabilized filaments feeding.
- Power tube protection via proprietary "Bias Guard" system, operating on two levels: electronic (first level) and fuses (second level).
- Fine Bias adjustment (15-turn trimmers) of each power tube via an easy access to the "Digital Bias Control" (Double "Digital Bias Control" L/R with LCD panel and electronic selection of tube control, only for S40).
- "Soft Start" system providing a soft transformer powering with anode voltage timing insertion.
- Automatic LED identification of the "Phase" in the voltage supply.
- WBT output connectors, Neutrik input connectors.
- Designed, tested and built by hand in Italy by the Vexo Team.
- 10-year warranty (excluding tubes).

MODELS

- | | | | |
|---------|-------------------|-------|---------------------------------|
| • S40 | Power amplifier | 2x50W | (300B tube Parallel push-pull). |
| • S30 | Power amplifier | 2x25W | (300B tube Push-Pull). |
| • S20 | Power amplifier | 2x15W | (2A3 tube Push-Pull). |
| • LP-PS | Line preamplifier | | (6H30 tube SRPP). |

Standard line MODELS

- | | | | |
|----------------------|----------------------|--------|-----------------------------|
| • VX SE KT150/C mkII | Integrated amplifier | 2x27W | (KT 150 tube Single-Ended). |
| • VX PP KT88/C mkII | Integrated amplifier | 2x55W | (KT88 tube Push-Pull). |
| • VX ATTEL84 | Headphone amplifier | 2x45mW | (EL 84 tube OTL). |

Filaments voltage and Test Point

This allows the optimal and most precise calibration of the filaments voltage supply, independently for each tube, through a multi-turn trimmer and isolated bushings for test points. A LED indicates the presence of voltage.

Stabilized Power Supplies

Solid-state high-current TO3 voltage stabilizers mounted on heatsinks matched with large-capacity and ultra-low ESR electrolytic capacitors.

Anodic supply

LC filter with large-capacity, ultra low ESR electrolytic capacitors and double C-core inductance.

Power supply transformers

Encapsulated and resinated toroidal power transformers, mounted on a double support that is de-coupled with anti-vibration devices. The transformers feed the anode voltage and the tube filaments voltages separately and are independent for each L/R channel (fully dual-mono configuration).

Power transformer

Exclusively dedicated to auxiliary and control functions.

Indicators and Signals

LED indicating the operating state of the stabilized power supplies, the anode voltages and the stand-by condition (15 LEDs in total).

Chassis with modular structure

Chassis with modular structure, made of steel sheets with a minimum 15/10 thickness, laser-cut and finished by hand, painted in black epoxy finish. Protective covers in anodized aluminum 20/10 thick. Mechanical accessories are turned and milled from solid and complement 150/10 thick anodized aluminum front panels.

Bias Guard

Electronic protection system, operating via a two-level variable threshold (set by the Digital Bias Control) and supplemented by safety fuses working independently for each power tube.

Automatic shutdown of the channel subjected to overload in case the set threshold is exceeded, with convenient identification by a flashing warning.

Output Transformers

High-grade "multi-layers winding" transformers, capable of guaranteeing extremely low distortion and amplitude of bandwidth without NFB, together with excellent performance and constant supply to 8 Ohm and 4 Ohm output loads.

Digital Bias Control

Checking and adjusting system of the bias current (independent for each tube) and of the protection "Bias Guard" threshold through a multi-turn trimmer. A three-digit display and an electronic selection facility allow an easy and convenient control.

True fully balanced tube

Exclusive use of triodes (no discrete components or integrated circuits).

Analog panel meter

Backlight anode voltage analog panel meter. In case of intervention of the Bias Guard system, the backlight will flash and identify the trouble.

Power ON / OFF

On / off power push-button with timed "Soft start" powering supply circuit and flashing LED during filaments preheating. Delayed insertion of the anode voltage.





An amplification set with unequalled and unrepeatabe features, as the result of the most advanced and maniacal research by the Vexo team in audio equipments. Two separate units of absolute level, with a fully dual-mono and balanced design. The best of modern tube technology supported by a far out of the ordinary power supply. These pieces of equipment express an extreme, no-compromise vocation and reach a truly amazing level of smoothness, transparency, detail and overall quality. A combination of strength and gentleness that has no precedent in the use of the most beloved directly heated triode of all time, i.e. the legendary 300B tube: 50 +50 Watts into 4/8 ohms for an extraordinary experience of pure musicality and pleasure. A "real" sound machine which highlights and summarizes the philosophy adopted by Vexo:

“PERFORMANCE & DESIGN”

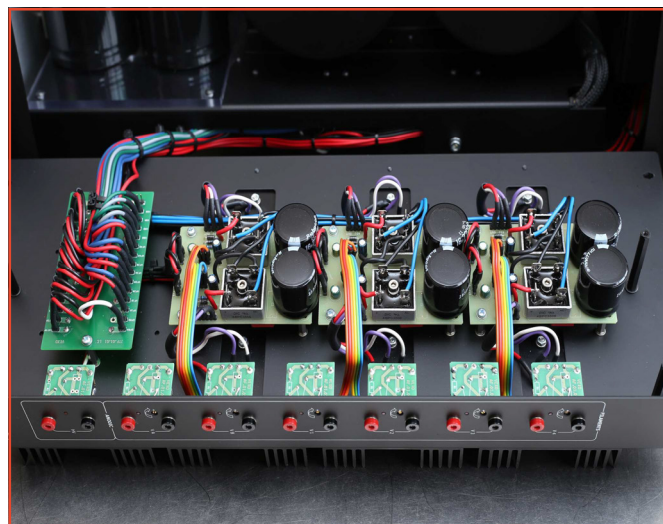
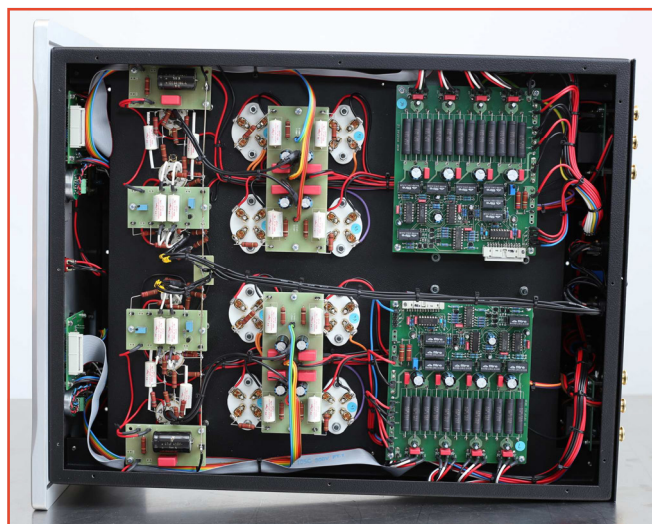
Model S40 Power amplifier

300B Parallel Push-Pull

- Parallel push-pull design with zero negative feedback.
- Fully balanced tube circuits (no discrete components or integrated circuits).
 - Double chassis (power amplifier and separate power supply).
- Totally dual mono configuration with 4 encapsulated and resinated toroidal power transformers (separate anode voltage and filaments voltages for each channel), mounted on a double support that is de-coupled with anti-vibration devices.
 - Fifth transformer exclusively dedicated to auxiliary and control functions.
 - 12 independent stabilized power supplies dedicated to filaments voltage.
- Power tubes protection via proprietary "Bias Guard" system operating on two levels.
- "Digital Bias Control" system for the calibration and control of the power tubes bias.

TECHNICAL DETAILS

• Tube complement :	300B x 8, 6SN7 x 4, 12BH7 x 2
• Output power :	50 W + 50 W RMS - 1KHz
• Total Harmonic Distortion THD (1 W):	< 0,15%
• Bandwidth (1 W) :	8 Hz ÷ 60 KHz , +/- 1,5 dB
• Negative feedback NFB :	0 dB
• Signal to noise ratio (S/N) :	> 100 dB
• Input sensitivity :	1 V RMS - 1 KHz (50 W RMS)
• Input impedance :	100 K Ω (RCA), 200 K Ω (XLR)
• Output impedance :	4/8 Ω
• Inputs :	1 x RCA, 1 x XLR
• Power supply :	120 V/230 V - 60/50 Hz
• Dimensions (H/W/D) :	470 x 275 x 600 mm + 470 x 275 x 600 mm
• Net weight :	40 Kg + 60 Kg approx.





A tube preamplifier with unequalled and unrepeatable features, as the result of the most advanced and maniacal research by the Vexo team in audio electronics. The ideal partner to the S-series power amplifiers by Vexo audio design. Two separate units of an absolute level, with a fully balanced and pure class "A" circuitry. The best of modern tube technology, supported by an oversized and fully stabilized power supply. An audio equipment that is the expression of an extreme, no-compromise vocation and reaches a truly amazing level of smoothness, transparency, detail and overall quality A "real" sound machine which highlights and summarizes the philosophy adopted by Vexo:

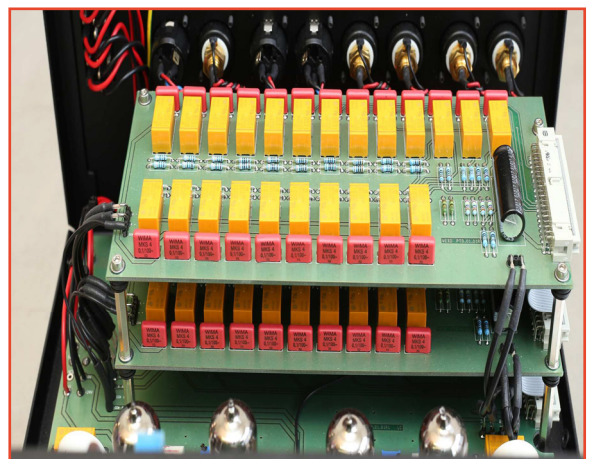
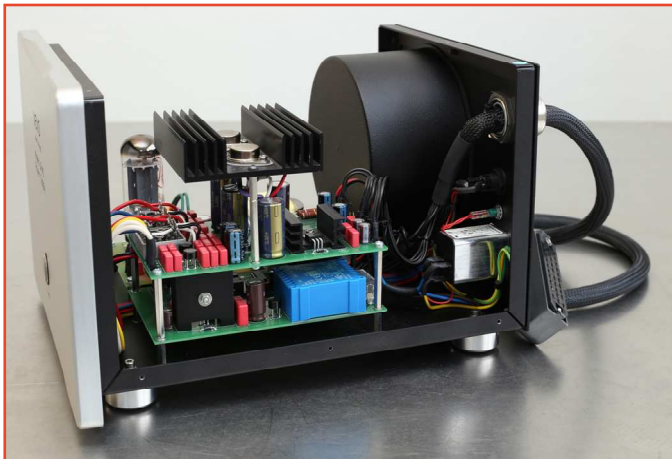
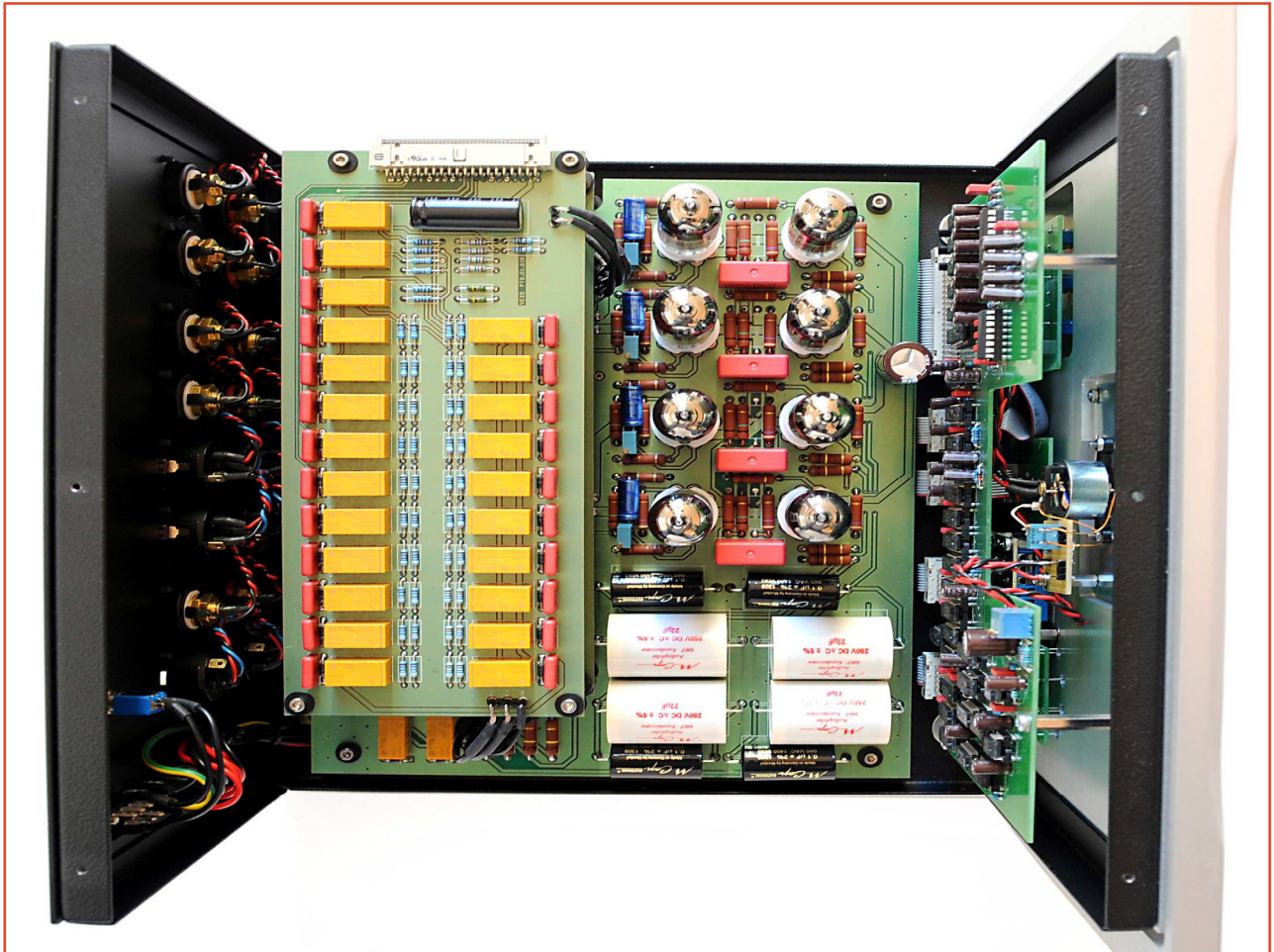
“PERFORMANCE & DESIGN”

Model LP-PS Pre-amplifier 6H30 SRPP

- SRPP with zero negative feedback.
- True fully balanced tube (no discrete components or integrated circuits).
 - Double chassis (line preamplifier and separate power supply).
 - Encapsulated and resinated toroidal transformer.
- Secondary transformer exclusively dedicated to auxiliary and control functions.
 - Stabilized filaments voltages.
- Anode voltage with rectifier tube, LC inductive filter and transistor stabilization.
- Balanced volume control (four channels) with relays and very high stability and precision (0.1%) resistors, operating via 80-step remote control. Volume level displayed by an analog indicator.
- Input selection with double cutting relay to isolate the common signals from the input sources.

TECHNICAL DETAILS

• Tube complement :	GZ34 x 1, 6H30 x8
• Bandwidth (1 W) :	5 Hz ÷ 250 KHz (limited by us)
• Negative feedback NFB :	0 dB
• Signal to noise ratio (S/N) :	> 90 dB
• Input impedance :	100 K Ω (RCA), 200 K Ω (XLR)
• Inputs :	RCA line x 2, XLR line x 2
• Outputs :	pre RCA, pre XLR, rec
• Gain :	18 dB
• Power supply :	120 V/230 V - 60/50 Hz
• Dimensions (H/W/D) :	350 x 210 x 340 mm + 290 x 210 x 340 mm
• Net weight :	10 Kg + 14 Kg approx.
• Controls :	Remote control, mute, line/direct, monitor





Directly derived from the top of the range S40 power amplifier, there's the more affordable choice of an amplifier set that also features a double chassis but with less power output and measurements. Two separate units capable of providing the best of modern tube technology, supported by an oversized power supply. These pieces of equipment express an extreme, no-compromise vocation and reach a truly amazing level of smoothness, transparency, detail and overall quality. A combination of strength and gentleness that allow to choose between 300B (S30) and 2A3 (S20) tubes: 25 +25 Watts into 4/8 ohms for an extraordinary experience of pure musicality and pleasure. (15 +15 Watts for S20). A "real" sound machine which highlights and summarizes the philosophy adopted by Vexo:

“PERFORMANCE & DESIGN”

Model S30-S20 Power amplifier 300B-2A3 Push-Pull

- Push-Pull design with zero negative feedback.
- True fully balanced tube (no discrete components or integrated circuits).
 - Double chassis (power amplifier and separate power supply).
 - Encapsulated and resinated toroidal power transformer.
- Secondary transformer exclusively dedicated to auxiliary and control functions.
 - Independent stabilized power supplies dedicated to filaments voltage.
 - Power tubes protection via proprietary "Bias Guard" system.
- "Bias Board Control" system for the calibration and control of the power tubes bias.

TECHNICAL DETAILS

• Tube complement :	300B (2A3) x 4, 6SN7 x 4, 12BH7 x 2
• Output power :	25 (15) W + 25 (15) W RMS - 1KHz
• Total Harmonic Distorsion THD (1 W) :	< 0,15%
• Bandwidth (1 W) :	8 (10) Hz ÷ 55 (60) KHz , +/- 1,5 dB
• Negative feedback NFB :	0 dB
• Signal to noise ratio (S/N) :	> 100 dB
• Input sensitivity :	1 V RMS - 1 KHz (25 - 15 W RMS)
• Input impedance :	100 K Ω (RCA), 200 K Ω (XLR)
• Output impedance :	4/8 Ω
• Inputs :	1 x RCA, 1 x XLR
• Power supply :	120 V/230 V - 60/50 Hz
• Dimensions (H/W/D) :	470 x 275 x 480 mm + 290 x 210 x 340 mm
• Net weight :	35 Kg + 15 Kg approx.



VEXO Power Conditioner Power Bank Mod.4

We use the best quality component and adopt balanced circuit to reduce external influence for a pure audiophile sound.

VEXO are now proud to launch on the market the first high performance Power Conditioner “Power Bank Mod.4”.

We are aware of the importance on grid power quality provided to our hi-fi components and how this power quality impact on final audio results.

Power bank uses an innovative technology called Quad-coil able to reduce noise and decouple both hi-fi devices from grid power and a single device from the others in order to reduce mutual interference.

Quad-coil technology avoid solutions as well as transformers isolation or LC noise filters because they could limit power peak and consequently dynamic sound.

Quad-coil act from audio range providing clean energy without limits in current peaks request.

Power Bank Mod.4 has independent Quad-coil filters in order to ensure high mutual isolation between sources and amplifier.

We believe that decrease cross interaction between hi-fi devices is a key success factor for digital sources and devices with switching power supplies.

Power-bank mod.4 is design to manage a full hi-fi set with four independent channels each with double outline multistandard sockets. Three channels are filtered while the fourth is direct and unfiltered.

The three filtered channels are for digital-analog sources or preamplifier.

Unfiltered channel is for power amplifiers.

Power Bank Mod.4 handle up to 3,5 kW.

VEXO Power Bank Mod.4 recover a lost sound from your Hi-Fi systems providing better space image reconstruction in the most critical medium and high frequencies range.



The audio circuitry is based on the refined EL84 tube in the triode configuration, like all previous amplifier designs, working within a OTL (Output Transformer Less) scheme for the best performance ever. The power supply includes one massive toroidal transformer with very low leakage flux and self-standing LRC filters for the two L/R channels. The strong frame structure boasts on laser-cut sheets with a minimum thickness of 15/10 and is complemented by an exclusive plexiglass cover. The VX ATT EL84 amplifier can connect to two external audio sources (CD PLAYER, DOCK-STATION, TUNER) and be fed to one or two headphone devices for simultaneous listening. A RCA output is also available for wireless headphone connections. A long-life volume control on the front can adjust the most precise listening level of choice. A "real" sound machine which highlights and summarizes the philosophy adopted by Vexo:

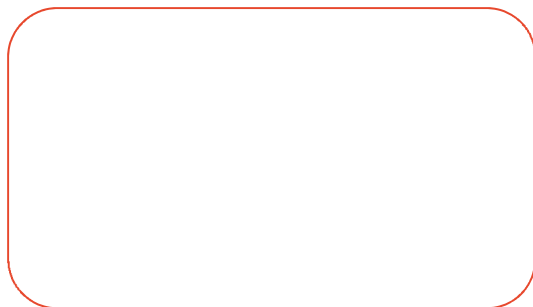
“PERFORMANCE & DESIGN”

Model VXATT EL84 OTL Headphone amplifier

TECHNICAL DETAILS

- | | |
|--|-------------------------------|
| • Tube complement : | EL84 x 2, 5814 (12AU7) x 2 |
| • Output power : | 45mW + 45mW RMS - 1KHz |
| • Total Harmonic Distorsion THD (30mW) : | < 3% - 45mW (1KHz) |
| • Bandwidth (30mW) : | 10 Hz ÷ 50KHz , +/- 1,5 dB |
| • Negative feedback NFB : | 15 dB |
| • Signal to noise ratio (S/N) : | > 90 dB |
| • Input sensitivity : | 0,75 V RMS - 1 KHz (45mW RMS) |
| • Input impedance : | 100 K Ω (RCA) |
| • Output impedance : | 2x32 Ω |
| • Inputs : | 2 x RCA |
| • Power supply : | 230 V - 50 Hz |
| • Dimensions (H/W/D) : | 250 x 210 x 100 mm |
| • Net Weight : | 2,8 Kg |

*“When Features defy Excellence.
The Third Millennium Tube Magic”.*



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by

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