

CATALOGUE 2020

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HYBRID AMPLIFIER

INTEGRATED AMPLIFIER, STEREO

Signal voltage amplification with tubes: Producing a natural, lively sound image due to high dynamic range with very low distortion

Balanced output stage

With complementary lateral MOSFETs: broadband, high current capability, lowest distortion.

Active volume control

Constant high sound quality independent of volume setting (mechanical potentiometers change their technical characteristics according to slider settings)

Power supply

Power supply with voltage stabilizers for each amplifier stage - three stabilizers for the audio circuitry, separate, independent power supply for the control functions. Individually adjustable power supply, specially designed for audio applications for the output stages.

Processing

High quality components, e.g. 1% and 0.1% precision resistors, highest quality film capacitors in the signal path, 105° electrolytic capacitors with high durability in the power supply, circuit boards with optimized conductor path



HPI-100

Our smallest integrated amplifier is compact in size, but has all the features of its bigger brothers and sisters: the sophisticated circuitry, the high quality components and the remarkable high output power make the HPI 100 the ideal gadget. Even where space does not permit full-size devices, the listening pleasure is unlimited.

Power supply

For output stage:
Switching power
supply for 400 Watt

Technical data

2 x 70 Watt/8 Ohms,
2 x 120 Watt/4 Ohms

Frequency response: 5 Hz to over
100,000 Hz (– 1dB)

Connections

3 x Stereo high level
inputs Chinch

1 x Connectors for a pair of
stereo speakers

Dimensions

Depth: 24 cm (9.5")
Width: 36 cm (14.2")
Height: 10 cm (3.9")



— HPI-200



HPI-200

It all started with this integrated amplifier. After 25 years of amplification with tube amplifiers it was time for a new generation of amps: powerful hybrid amplifiers equipped with high output power in compact dimensions, outstanding sound quality without restriction in the choice of speakers and universal applicability due to low energy consumption. In the output stage audio MOSFETs of the latest generation transfer the outstanding musical characteristics of the voltage amplifying tube to the loudspeakers without loss. Modern semiconductors in the power supply and the active volume control enable the tube to please your ears by producing natural tone colours and smoothly reproducing even complex sound events.

Power supply

For output stage: Switching power supply for 400 Watt

Technical data

2 x 85 Watt/8 Ohms,
2 x 150 Watt/4 Ohms

Frequency response: 5 Hz to
over 100,000 Hz (-1dB)

Remote control

Connections

5 x Stereo high level
inputs Chinch

1 x Connectors for a pair of
stereo speakers

Dimensions

Depth: 37,5 cm (14.8")

Width: 45 cm (17.7")

Height: 15 cm (5.9")





HPI-300

Granite, wood and stainless steel reflect the inner values of our top model. The high output power of over 300 watts into 4 ohms, a further increase in the quality of the components and the vibration-reduced housing guarantee this hybrid amplifier to function with the highest reliability.

Be it large orchestras, atmospheric jazz clubs, open-air concerts or sophisticated studio recordings, the HPI-300 emulates a nearly live concert experience. No matter which type of music this amplifier excels in producing a crystal clear fidelity sound.

Power supply

For output stage: Switching power supply for 1.2 KW

Technical data

2 x 160 Watt/8 Ohms,
2 x 300 Watt/4 Ohms

Frequency access: 5 Hz to
≥ 100,000 Hz (– 1dB)

Remote control

Connections

4 x Stereo high level RCA inputs

1 x Stereo high level input
XLR balanced

1 x Mono subwoofer output

1 x Connectors for a pair of
stereo speakers

Dimensions

Depth: 48,5 cm (19.1")

Width: 46 cm (18.1")

Height: 21 cm (8.3")

Weight: 18 kg (37.7 lb)



PREAMPLIFIER PRE-300/ POWER AMPLIFIER HPM-300 COMBINATION

For our most demanding customers we offer the opportunity to experience our hybrid technology in its most technically sophisticated form. The line preamplifier **PRE-300** in a noble real wood cabinet combined with mono power amplifier **HPM-300** in the noble combination of stainless steel, wood and granite (on request with the phono preamplifier "Phono 300"), performs at the highest sound level.

The sound is even better than that of the HPI-300 due to the splitting of the housing into preamp and mono power amps minimizing the interference of radiation effects - a technique also applied in full amplifiers. In this way even the last bit of sound is brought to its full potential.

Be it large orchestras, atmospheric jazz clubs, open-air concerts or sophisticated studio recordings, the **Preamplifier PRE-300/power amplifier HPM-300 combination** emulates a nearly live concert experience.

Paltauf



PREAMPLIFIER PRE-300

Technical data

Frequency response: 5 Hz to over 100,000 Hz (– 0,5dB)

Remote control

Dimensions

Depth: 37 cm (14.6")

Width: 39 cm (15.4")

Height: 11 cm (4.3")

Connections

4 x Stereo high level inputs Chinch

1 x Stereo high level input

XLR balanced

1 x Stereo high level outputs Chinch

1 x Stereo high level outputs

XLR balanced

POWER AMPLIFIER HPM-300

Technical data

280 Watt/8 Ohms

450 Watt/4 Ohms

Frequency response: 5 Hz to over 100,000 Hz (– 1dB)

Dimensions

Depth: 35,5 cm (13.4")

Width: 46 cm (18.1")

Height: 21,7 cm (8.5")

Weight: 18 kg (39.7 lb)

Connections


1 x High level input chinch

1 x High level input XLR balanced

1 x Connection for loudspeaker







„What motivates
me is the love for
good music, the
unrestrained creativity
and the ambition to
come as close as
possible to the
original sound!“

Wolfgang Paltauf

PHONO PREAMPLIFIER

Signal voltage amplification with tubes and semiconductors:

FET - tube cascode with active load for extremely high, linear dynamic range

Passive RIAA Equalization: For vivid, natural music reproduction with high accuracy (resistors 0.1%, capacitors +/- 1%)

Class A output stage: With MOSFETs and active load: very broadband, high current capability, lowest distortion.

Power supply: Complex power supply with voltage stabilization for all stages of the amplifier

Processing: High quality of all components, e.g. 1% and 0.1% precision resistors, top-quality film capacitors in the signal path, 105° electrolytic capacitors with long service life in the power supply, circuit boards with optimized conductor path

Technical data: Input for high output pickups, optional for low output systems with transformer

Max. Input voltage over 100 mV/1 Khz at High Output Systems

PHONO-100

PHONO-100

Our beloved jewel full of irrepressible joy of playing inspires all vinyl lovers! 30 years of development of high-quality phono amplifiers find their climax in this small, fine phono amplifier. An amplifying stage with hybrid technology and passive RIAA equalization, an output buffer in Class A and the elaborate power supply lead to a spirited, natural and emotionally gripping reproduction of your precious records.

Technical data

Input for high output pickups,
optional for low output systems
with transformer

Max. Input voltage over 100 mV/
1 Khz at High Output Systems

Connections

1 x Chinch output
1 x Chinch input

Dimensions

Depth: 27 cm (10.6")
Width: 14,5 cm (5.7")
Height: 9,1 cm (3.6")



— PHONO-100



PHONO-200

Phono 100 plus external power supply with tube rectification results in Phono 200! The result is a refined playback quality due to the cleaner DC voltage of the vacuum diode and the separate placement of the mains transformer and the audio circuitry.

Technical data

Input for high output pickups,
optional for low output systems with
transformer

Max. Input voltage over
100mV/1Khz!

Connections

1 x Chinch output
1 x Chinch input

Phono

Depth: 27 cm (10.6")
Width: 14,5 cm (5.7")
Height: 9,1 cm (3.6")

External power supply unit

Depth: 27 cm (10.6")
Width: 14,5 cm (5.7")
Height: 9,1 cm (3.6")

PHONO-300

Our top phono preamplifier differs from the smaller models by a more complex power supply, further refined component quality and a real wood cabinet that effectively suppresses disturbing cabinet resonances. The external power supply with tube rectification guarantees a clean music reproduction

Technical data

Input for High Output pickups,
optional for Low Output systems
with transformer

Max. Input voltage over 100 mV/
1 Khz at High Output Systems

Connections

1 x Chinch output
1 x Chinch input

Dimensions

Depth: 37 cm (14.6")
Width: 39 cm (15.3")
Height: 11 cm (4.3")

KHV-ES

For lovers of electrostatic headphones we have developed our latest amplifier based on tubes. The almost perfect characteristics of the tube as a voltage amplifier make it the first choice for effortlessly providing high and low-distortion signal voltages. The tubes in this unit are supported by modern semiconductors in their outstanding characteristics for natural music reproduction.

Signal voltage amplification with tubes: Responsible for a natural, lively sound image due to high output capability with very low distortion

Push pull output stage: With EL84 power tubes, matched in a quartet, switched as a triode

Power supply: Complex power supply with voltage stabilization for each amplifier stage

Processing: High quality of all components, e.g. 1% and 0.1% precision resistors, top-quality film capacitors in the signal path, 105° electrolytic capacitors with long service life in the power supply, circuit boards with optimized conductor path

Cabinet with 10 mm front in natural or black aluminium with oiled wooden side panels

Technical data

Max. Output voltage 900 Vpp

Frequency response: 5 Hz (-3db) to 60,000 Hz

Connections

2 x Stereo high level inputs Chinch

1 x Stereo high level input XLR balanced

1 x Output 5 pole, Pro Bias

1 x Output 6 pole Normal Bias

Dimensions

Depth: 34 cm (13.4")

Width: 38 cm (15")

Height: 14 cm (5.5")

KHV-ES —



KHV-ESD

This amplifier offers the possibility to use either electrostatic or electrodynamic headphones in best quality. A transformer in the output of the unit converts the high signal voltage into a powerful output signal that can drive even demanding electrodynamic headphones with ease. This device combines the strengths and virtues of all our amplifiers: naturalness, dynamics, colorful, multi-layered tones and an effortless playback of the most complex music signals.

Signal voltage amplification with tubes: Responsible for a natural, lively sound image due to high output capability with very low distortion

Push-pull output stage: With EL84 power tubes, matched in a quartet, switched as a triode

Power supply: Complex power supply with voltage stabilization for each amplifier stage

Processing: High quality of all components, e.g. 1% and 0.1% precision resistors, top-quality film capacitors in the signal path, 105° electrolytic capacitors with long service life in the power supply, circuit boards with optimized conductor path

Cabinet with 10 mm front in natural aluminium or black, oiled wooden side panels

Technical data:

For electrostatic headphones
Max. Output voltage 900 Vpp

For electrodynamic headphones
Max. Output voltage 36 Vpp

Frequency response: 5 Hz (– 3db) to 60,000 Hz

Connections

INPUTS:

2 x Stereo high level inputs Chinch

1 x Stereo high level input
XLR balanced

EXITS:

1 x Output 5 pole, per bias

1 x Output 6 pole Normal Bias

1 x Output 4 pin XLR with low
output voltage

1 x Output jack 6.35 mm with
low output voltage

1 x Output 4 pin XLR with high
output voltage

1 x Output jack 6.35 mm with
high output voltage

Dimensions

Depth: 34 cm (13.4")

Width: 38 cm (15")

Height: 14 cm (5.5")



HPA-100

Rousing dynamics, abundant power, enormous richness of detail, phenomenal three-dimensionality, physical representation of the music action - all these qualities are offered by our latest headphone amplifier for all headphones except electrostatic models. The HPA-100 is derived from our HPI-100, a hybrid amplifier that combines the best characteristics of the tube - clean, fast and dynamic signal processing combined with natural warm sound - with those of modern MOSFETs with their linear output characteristics and the capability of high current delivery.



— HPA-100

Active volume control: Constant high sound quality independent of volume setting (common mechanical potentiometers change their technical characteristics depending on the slider position)

Signal voltage amplification with tubes:

Responsible for a natural, lively sound image due to high dynamic range with very low distortion

Balanced output stage: With complementary lateral mosfet's: very broadband, high current capability, lowest distortion.

Power supply: Elaborate power supply with voltage stabilizers for each amplifier/amplification stage - "three" stabilizers for the audio circuitry, a separate independent power supply for the control functions. Switching power supply, developed for audio applications, for the output stages. (Switching power supply for 400 Watt !) The power supply can be adjusted individually to the output stages.

Processing: High quality of all components, e.g. 1% and 0.1% precision resistors, highest quality film capacitors in the signal path, 105° electrolytic capacitors with high durability in the power supply, circuit boards with optimized conductor path

Technical data

Max. Output voltage 70 Vpp

Frequency response: 5 Hz to over 100,000 Hz (– 0,5dB)

Connections

2 x Stereo high level inputs Chinch

1x Stereo high level input XLR balanced

1x output XLR 4 - pin

1x output stereo jack 6,35 mm

Dimensions

Depth: 36 cm (14.2")

Width: 24 cm (9.5")

Height: 10 cm (3.9")





COAX 10 —

PALTAUF COAX 10

Pure musical pleasure from the first bar.

As the name implies, this is a coaxial loudspeaker with a 10 inch midrange/woofer and a 1 inch tweeter horn. This results in a particularly good localisation and spatiality even at close listening distances. Since the cabinet is provided with the bass reflex technique the Paltauf Coax 10 achieves 45 Hz at -6db.

Owing to the good efficiency, subtle nuances in dynamics are reproduced realistically and the musical enjoyment is unlimited at any volume.

Technical data

Rated power handling capacity:
160 W*

Music power rating 320 W*

Nominal impedance: 6 Ohm linear

Frequency range: 45 Hz (-6dB)
to 22 kHz

Sound pressure level
94 dB (2.83V/1 m)

10 inch 2-way coaxial loudspeaker

* In the transmission range

Dimensions

Height: 106 cm (41.7") without feet

Width: 30 cm (11.8")

Depth: 26 cm (10.2")

Weight: approx. 25 Kg (55 lb)

PALTAUF NO. 2

We proudly present the result of 10 years of development: a dynamic wonder!

In the latest model (2019) the loudspeaker has been carefully redesigned: in the cross over the cabinet as well as the component quality have also been further optimised.

The Paltauf No. 2 is a loudspeaker with a vented cabinet, in a two-way design, with an Air Motion Transformer including a waveguide and a 12" low-mid frequency speaker. The No. 2 was linearised at 6 ohms and is therefore also a perfect match for tube amps.

The strengths of the NO. 2 are its fine detailing, neutrality and dynamics. Thus complex passages in the music are reproduced authentically and the ambience of the sound is vividly present.

Owing to the very good response behavior the enjoyment of music is guaranteed even at very low volumes. Due to the very efficient high power handling realistic concert volumes are a flawless pleasure even on low amplifier setting.

Technical data

Nominal impedance: 6 Ohm linear

Sound pressure level:
96dB (2.83 V/1 m)

Transmission range: 35 hz (-6dB)
to 22 khz

Rated power handling capacity:
300 Watt*

Music power rating: 400 Watt*

12 inch low - midrange driver with
paper cone

Air Motion Transformer with
waveguide.

* In the transmission range

Dimensions

Height: 112 cm (44.1") without feet

Width: 36 cm (14.2")

Tiefe 38 cm (15")

Weight: approx. 35 Kg (77.2 lb)

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