

OCTAVE

JUBILEE 300 B  
MONOBLOC  
POWER AMPLIFIERS



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## OUR CLAIM

Octave embodies unique and fundamentally new solutions in tube amplifier technology. Every Octave development offers the music lover quality that previously was not available.

For more than three decades, Octave has been offering unique, powerful tube amplifiers with which you can drive virtually any speaker: Octave amplifiers are easy to use, extremely durable, completely reliable with incomparably low noise and low hum. They are world-renown for their thrilling dynamics, uncompromising honesty and extreme stability.

Octave has historically not considered the low-powered, single-ended (Class A) concept. But Andreas Hofmann has always respected the sonic seduction of single-ended designs. Only in recent years has he developed the technologies to overcome the seemingly insurmountable limitations of the concept.





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## THE IDEA

The prerequisites for Octave to realize our goals via a single ended amplifier were not easy to implement. Because the technical differences to our proven push-pull technology are indeed dramatic.

The simplest decision was the choice of the legendary 300 B triode tube since she was specifically developed for audio applications and is universally considered to the best sound.

We started the development of a novel design in which the 300 B and the sonically unique single ended principle would be freed of the limitations and disadvantages of this circuit.

After several years of engineering, a very complex circuit with – for the first time in the world – three 300 B tubes and an uncharacteristically high (for triodes) output power of 30 watts was developed.







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## THE CHALLENGES

Traditional single ended amplifiers work with a 300 B tube and deliver only about 8 watts output power – and simply adding additional tubes will not increase the output. There are the complex conditions of the heating system of a 300 B to contend with and a problem with the audible level drop in the bass region. The result is more or less a strong emphasis on the midrange.

The demanding listener is now asking why we began the research into eliminating all these limitations knowing about the long list of recognized disadvantages of the single-ended concept.

The answer lies in the unusually gripping, inimitable sonic qualities of single-end-class-A circuits, especially with regards to the 300 B tube. To transfer these virtues to the entire bandwidth of the music and be able to control modern loudspeakers at the same time fully justifies the investment and development from our point of view.



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## THE SOLUTION

To eliminate the massively disturbing hum and prevent any high frequency noise from the heating voltage, we have developed a generator to supply each triode with a regulated 7 Hz heating voltage via a completely pure sine wave. With this innovation, we are able to increase the power by using several 300 B tubes in parallel.

Fluctuating mains voltages are equalized through an electronically regulated heating and operating voltage. We eliminate the level drop in the bass region via a magnetic field-compensated output transformer. This is only possible because Octave still produces customized transformers in-house.

With the Jubilee 300 B we created a new generation of single ended amplifiers to enjoy the supple, high-resolution, extremely dynamic and fascinating spatial triode sound - not only in the mid/high frequency range, but completely across the full audio band with enough power to drive virtually any loudspeaker.





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## THE FEATURES

- Electronically regulated power supply instead of a choke power supply
- Power generator with pure sine wave for triple 7 Hz heating voltage
- Energy management for operating and heating voltage to extend the lifetime of tubes and amplifier
- Protection and overload system for protection of the tubes and the amplifier before tube damage operating errors
- Adjustable BIAS levels to allow the use of various 300 B tubes: low, medium and high (corresponds to 25 mA, 50 mA and 70 mA quiescent current per 300 B)
- Special broadband output transformer from in-house development and production

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## THE SPECIFICATIONS

Basic Model	Jubilee 300 B Single Ended Class-A-monobloc power amplifiers
Options	Remote function with 12 V trigger, Bi-amping package
Design	Silver or Black
Wood insert	Birch, Walnut, Makassar
Tubes	3 x 300 B (EH or JJ), 1 x ECC 82, 1 x EF 800
Connections	RCA, XLR inputs 4 and 8 ohm speaker outputs
Output	Between 15 and 30 W power (Selectable)
Power bandwidth	20 Hz – 50 kHz / -3 dB
Signal-to-noise-ratio	> 100 dB at 20 W
Power consumption	400 W each Monobloc. Setting is BIAS MED
Dimensions	24 x 66 x 40 cm (W x H x D)
Weight	54 kg each









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