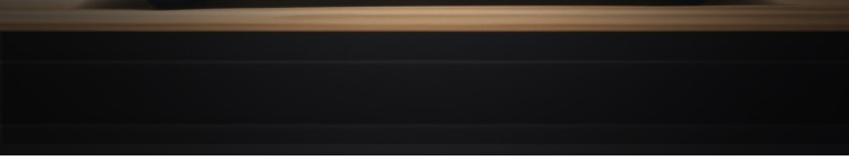
Luxury Cinema Professional Amplifier

Great power output and singal-to-noise ratio

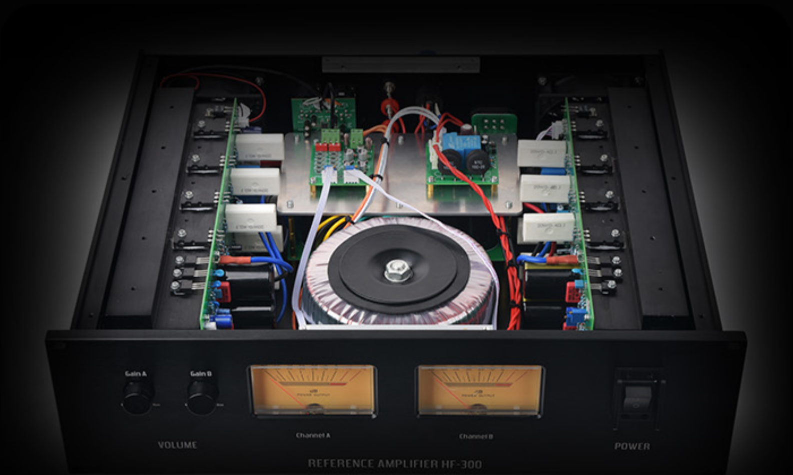
Deep, powerful and extraordinary

Gain A
Gain B
Min
Max
Min
Max
WATTS
dB
POWER OUTPUT
WATTS
dB
POWER OUTPUT
Channel A
Channel B
VOLUME
POWER
REFERENCE AMPLIFIER HF-300



HF-300 is a high-power output, ultra-low power amplifier
It is the essence of years of expertise:
It uses 4 pairs of power transistor preamplifiers per channel
with a strong continuous output power of 315W+315W
Make the sound powerful and overwhelming, with a
signal-to-noise ratio of -100dB,
pure and noise-free.

HF-300 follows the HiFi design concept rather than hollow theory
Focused on outstanding performance, stable and undistorted at
high power output
Durable under strong loads.
Not matter for ocean of music or stunning audiovisual spaces
HF-300 is your ideal choice.

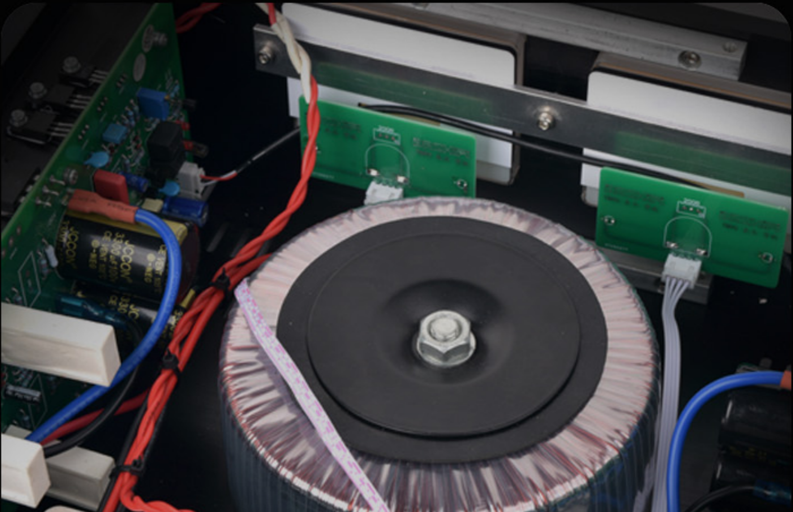

Gain A
Gain B
VOLUME
Channel A
Channel B
POWER
REFERENCE AMPLIFIER HF-300

HF-300

SOUND QUALITY CHARACTERISTICSA

HF-300 can easily drive various speakers-- manifesting deep and powerful bass
or clear and bright treble without hassle.In dynamic music scenarios, it can quickly respond and accurately
display the explosiveness and details of music, making the sound full of strength and texture.

Both bass and treble are adjustable--users can adjust the frequency characteristics of the sound according
to their preferences and music types through the high and low frequency tone functionality. Whether to enhance
the overwhelming of bass or the brightness of treble, it can easily realize to make the sound more beautiful.



Excellence, ultimate enjoyment

Strive for excellence and enjoy the ultimate pleasure

ALUMINUM ALLOY

All aluminum alloy body

TOROIDAL TRANSFORMER

Ring transformer

CUSTOM COMPONENT

Custom components

DYNAMIC AMPLIFICATION

High dynamic amplification

SYMMETRIC LAYOUT

CURRENT FEEDBACK

Symmetrical layout

Current feedback

Experienced acoustic arrangement for exclusive sound effect

The master of sound accuracy

Bass -- Vigorous and powerful

midrange -- Gentle and full

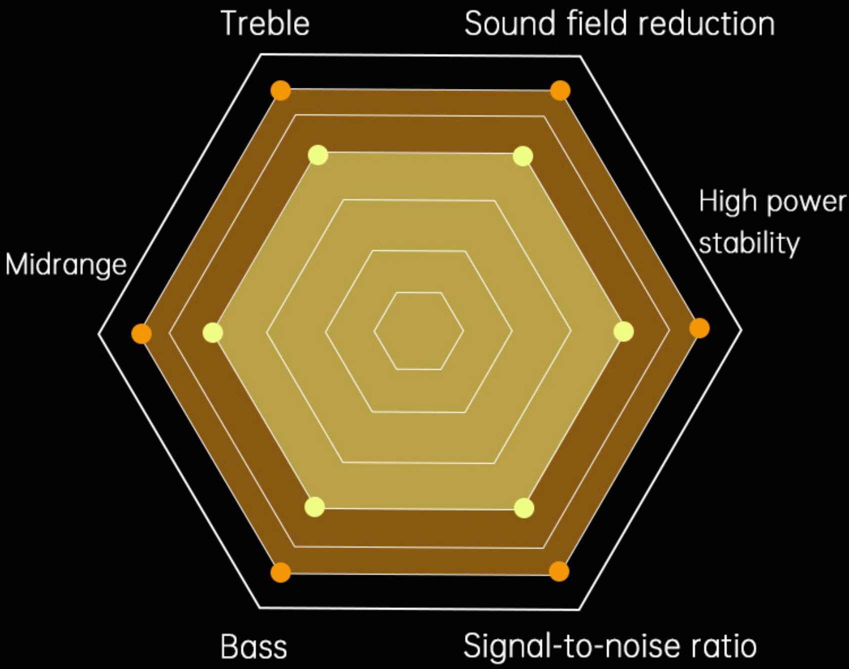
treble -- Clear and transparent

- Significantly improve power-carrying capacity.
- Excellent performance even at high volume
- Deeper and more powerful low-frequency

Gain A
Gain B
VOLUME
WATTS
dB
POWER OUTPUT
Channel A
Channel B
POWER
REFERENCE AMPLIFIER HF-300

Hexagonal warrior

Excellent all around



Signal to Noise Ratio: Provides unprecedented clarity and purity, allowing you to listen with less noise interference, as if you are in a quiet music world, focusing only on the flow of beautiful melodies.

Sound field reconstruction: It can accurately reproduce the spatial and directional sense of music performance, making you feel as if you can clearly distinguish the position of different instruments on the stage as if you are sitting in the best position in the concert hall.

High power stability: It can maintain extremely high stability and consistency at any power output, whether it is a subtle whisper or a stunning climax, it can be perfectly presented.

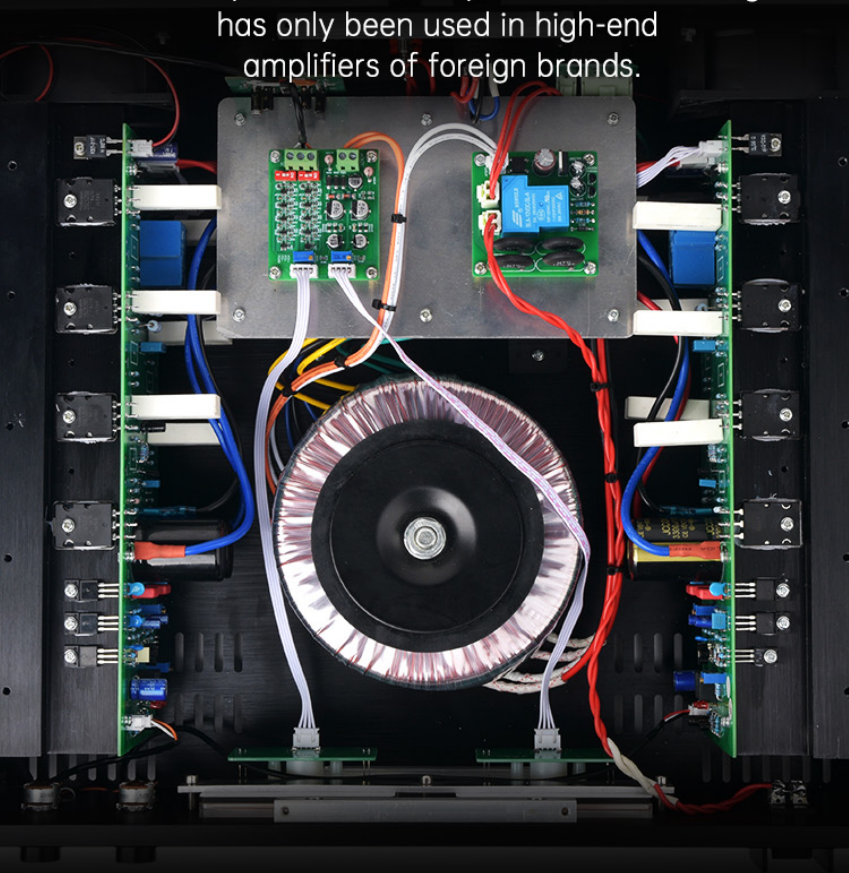
Super strong and highly resistant

Precise craftsmanship and high-quality material for durablity

Channel A
Channel B
dB
POWER OUTPUT
REFERENCE AMPLIFIER HF-300
POWER
NTC
10D-20
20W0.4Ω J

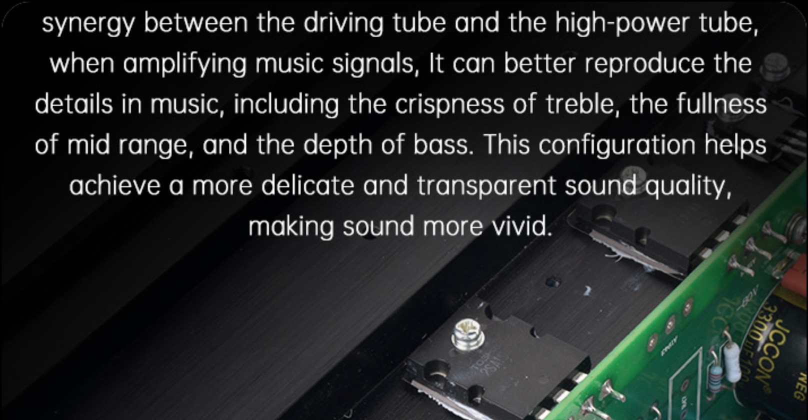
Emulate audiophile amplifier

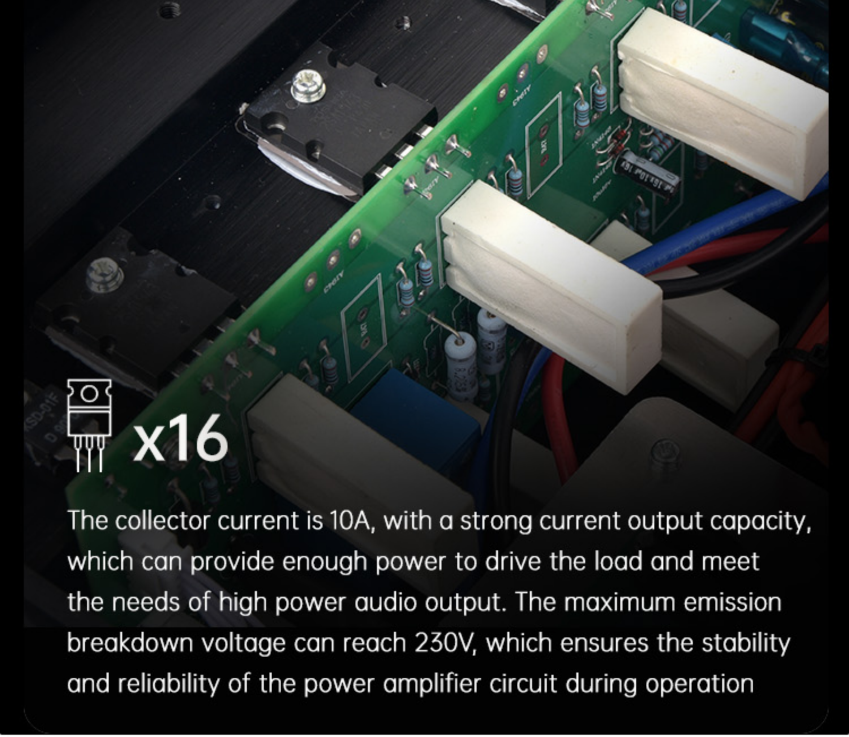
HF-300 uses two amplifing boards for the left and right channels, which are completely independent. The independent output separation and stereoscopic effect are unparalleled. This design has only been used in high-end amplifiers of foreign brands.



4 pairs of Toshiba high-power tubes can handle 1200W per channel easily.

Each channel uses 4 pairs of 2SC5200, which enables the amplifier to easily drive large speakers or perform well in scenarios where high volume and large dynamic range are required.From a sound quality perspective, Toshiba's tubes have good linearity.2SC5200 can maintain a low distortion rate during audio signal amplification, resulting in a more realistic restoration of the audio signal. Due to the good synergy between the driving tube and the high-power tube, when amplifying music signals, It can better reproduce the details in music, including the crispness of treble, the fullness of mid range, and the depth of bass. This configuration helps achieve a more delicate and transparent sound quality, making sound more vivid.





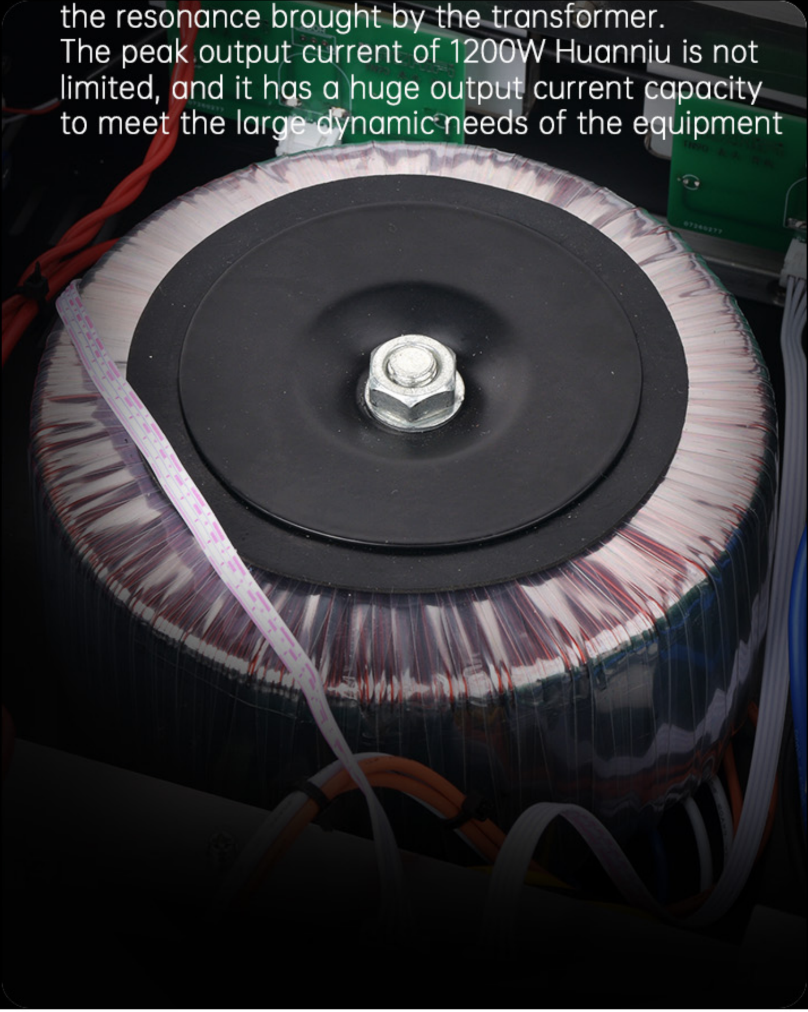
x16

The collector current is 10A, with a strong current output capacity, which can provide enough power to drive the load and meet the needs of high power audio output. The maximum emission breakdown voltage can reach 230V, which ensures the stability and reliability of the power amplifier circuit during operation

1200W large pure copper transformer
Cope with instantaneous high power demand

A single transformer is selected to avoid transformer inconsistency. And add a bracket at the bottom of the transformer to further reduce

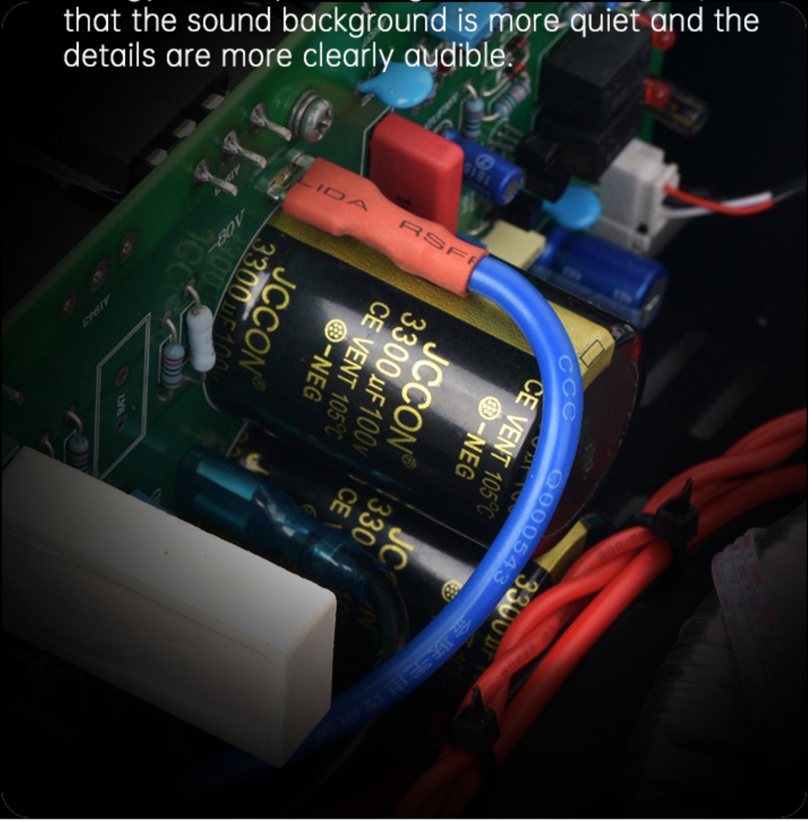
the resonance brought by the transformer.
The peak output current of 1200W Huanniu is not limited, and it has a huge output current capacity to meet the large dynamic needs of the equipment



The filter adopts a large capacity of 3300uF/100V

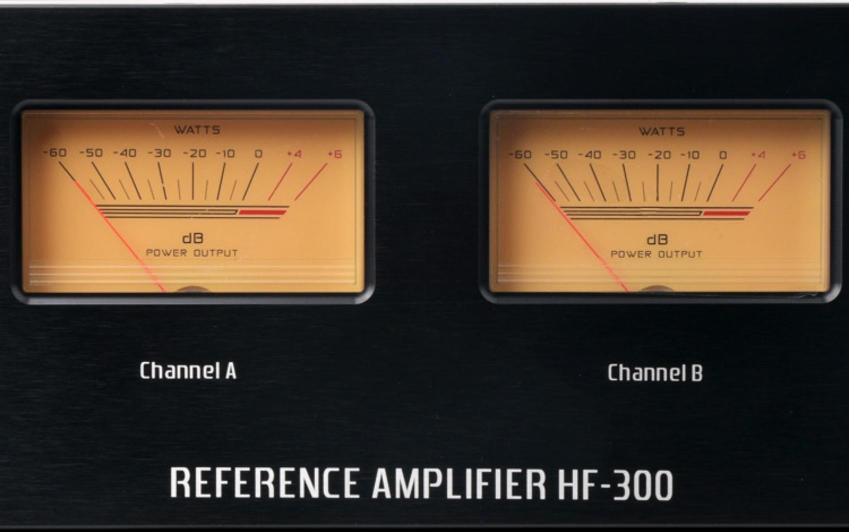
Array electrolytic capacitance

It helps filter out clutter and noise in the power supply, further improve the purity of the power supply, so that the power amplifier can obtain a smooth and stable current, and provide clean energy for the processing of the audio signal, so that the sound background is more quiet and the details are more clearly audible.


LIDA
RSFF
-80V
JCCON®
3300µF 100V
CE VENT 105°C
-NEG

Level meters for individual audio experience

HF-300 incorporates our classic level drive circuit, dual VU large meters that dynamically arrange the audio environment and provide a pleasing visual effect when switching audio signals to match a variety of use scenarios.

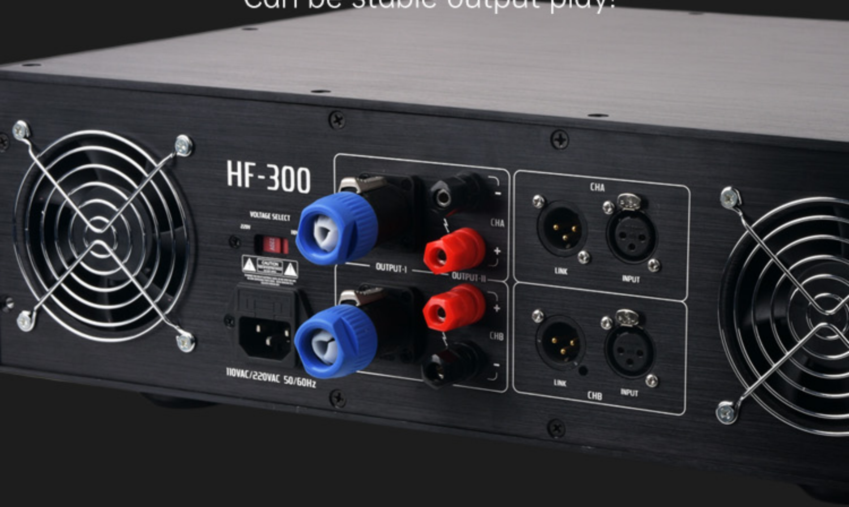

WATTS
-60 -50 -40 -30 -20 -10 0 +4 +6
dB
POWER OUTPUT
WATTS
-60 -50 -40 -30 -20 -10 0 +4 +6
dB
POWER OUTPUT
Channel A
Channel B
REFERENCE AMPLIFIER HF-300

The necessary power supply soft start circuit of high-power amplifier can effectively reduce the impulse current at the moment of startup, so as to reduce the influence of the machine on the power grid and extend the life of the switch.

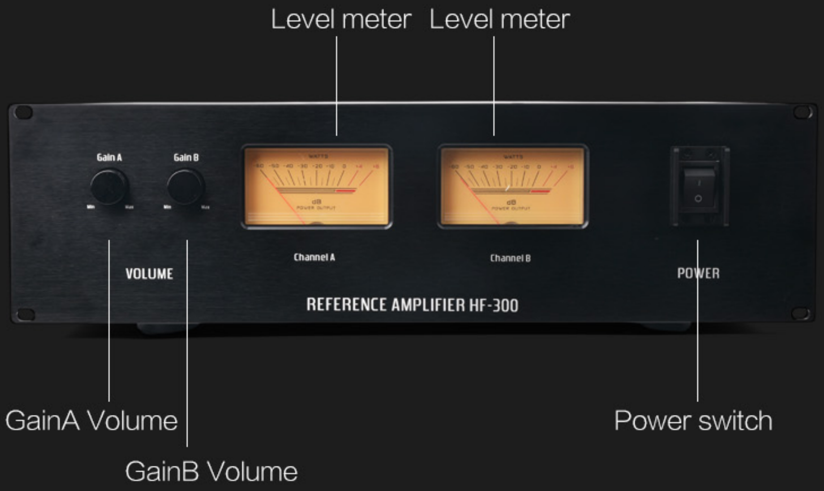
SONGLE
SLA-12VDC-SL-A
30A 250VAC/30VDC
1HP 120VAC
1-1/2HP 240VAC
30A 240VAC
CQC

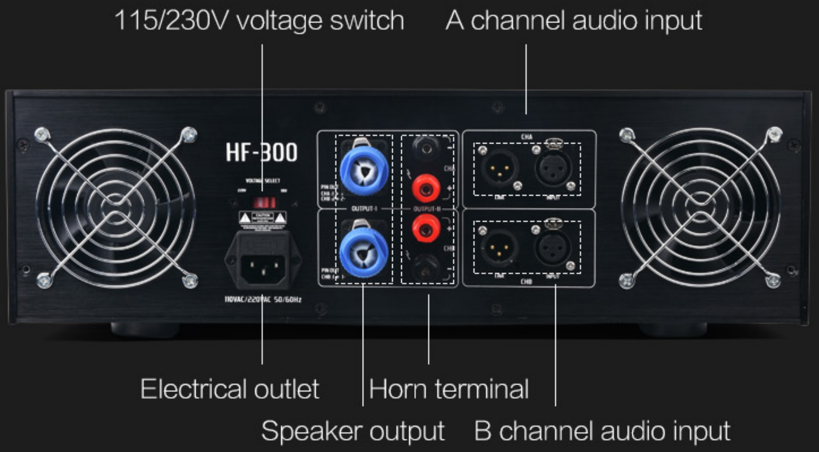
Twin turbine air cooling system

A dual-channel turbo-cooled fan was installed at the rear panel of the chassis
The super heat dissipation performance ensures that under large dynamic and long working time,
Can be stable output play!


HF-300
VOLTAGE SELECT
110VAC/220VAC 50/60Hz
OUTPUT-I
OUTPUT-II
CHA
CHB
LINK
INPUT
LINK
INPUT
CHB

Functional diagram


Level meter
Level meter
Gain A
Gain B
Channel A
Channel B
VOLUME
POWER
REFERENCE AMPLIFIER HF-300
GainA Volume
Power switch
GainB Volume


115/230V voltage switch
A channel audio input
HF-300
OUTPUT-I
OUTPUT-II
CHA
CHB
INPUT
110VAC/220VAC 50/60Hz
Electrical outlet
Horn terminal
Speaker output
B channel audio input

PRODUCT PARAMETER

Model: HF-300

Output power: 540 W RMS 4Ω

315 W RMS 8Ω

Damping coefficient: 200

Frequency response: 5Hz~40kHz

SNR: -100dB

Input sensitivity: 950mV

Input impedance: 100KΩ

Output impedance: 4~16Ω

Magnification: 105x

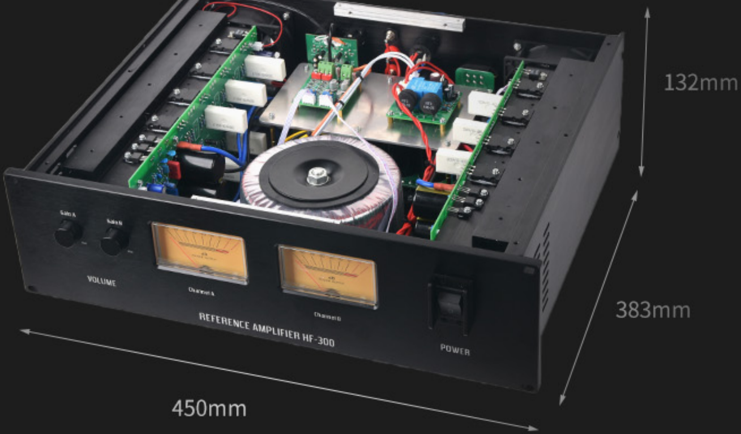
Static power consumption: 23W Max 1840W

Input power: 115V/230V

Weight: 19.8KG

Size: 450X132X383MM

Warranty: 3 years


132mm
Gain A
Gain B
VOLUME
Channel A
Channel B
REFERENCE AMPLIFIER HF-300
POWER
383mm
450mm