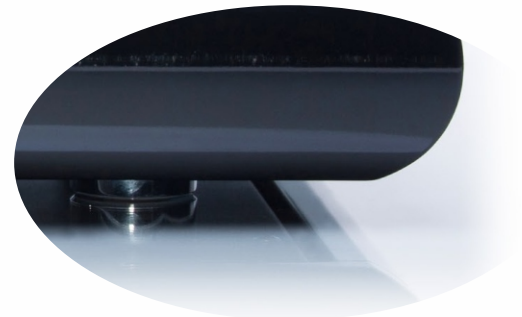


JJ ELECTRONIC
Excellence with Every Decibel

JJ322

www.jj-electronic.com



JJ 322 Stereo single - ended tube amplifier (dual monoblock pure class A.300B parallel)

Output power: 20 W + 20 W
Load impedance: 4; 8 Ohm
Input impedance: 50 kOhm
Input sensitivity: 350 mV at 20 W
Power bandwidth: 8 Hz - 25 000 Hz (-1 dB)
Channel separation: 72 dB/1 kHz
Global negative feedback: 0 dB
Noise level: less than 1 mV
Output transformers: Double „C.cores“
AC power: 230 V (120 V, 100 V) 50/60 Hz

Nom. consumption: 240 W
Tubes: 4 x JJ 300B, 2 x JJ E88CC
2 x JJ ECC83, 2 x JJ EM84
Dimensions: 570 x 380 x 255 mm
Weight: 42 kg
Finish: transf. covers: brown, black
(pulver lack)
top plate: silver or 24 carat
gold plated
wood: brown, natural (glossy) or black (dull)

Amplifier JJ 322 is designed as a pair of monoblocks having only one power outlet ground connection and an ALPS potentiometer in common.

Power sources are independent and filtration capacitance of RC filters is 1500 mF per one channel. The electrolytic capacitors of JJ Electronic production are bypassed with high quality polypropylene capacitors. Filament voltages for all tubes are of DC type.

Design of JJ 322 electrical circuitry was guided by these criteria for outstanding sound:

- Great linearity (as small as possible distortion), 0,3 % / 10W

- Zero global feedback, 0 dB GFB

- Sufficient damping factor, DF = 4

- Highest quality components

transformer laminations are cut, polished and etched. All steps of C-Core manufacturing are under JJ Electronic direct control.

The coils of output transformers have 12 windings. This, together with optimized air distance 2 x 2 x 0,16 mm between C – cores, yields only 3mH at Lp = 20 H Lsp. As a result of this, JJ 322 can achieve a power bandwidth of 15 Hz – 35 kHz / -1dB at 10 W.

The above technical parameters are the basis of JJ 322's outstanding sound quality.

The sound and also overall amplifier design, which received the Las Vegas CES 2000 Design and Engineering Showcase Award, make JJ 322 a jewel among audiophile devices.

JJ 322 is also available with three inputs. Version without input potentiometer also at production.



The tubes in the signal path, JJ ECC83, JJ E88CC and JJ 300B have excellent linearity and sound. In the last 2 years, JJ 300B won many awards around the world as the best 300B tube. Output transformers contribute to the outstanding sound quality too.

The transformers' C-cores are made from custom manufactured unique fine grain-oriented sheets rolled to the thickness of 0,13 - 0,15 mm.

After a proprietary vacuum annealing process,



Vacuum Tubes

AVAILABLE IN STORES AROUND THE WORLD

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