

211 - SE
single ended tube amplifier
Date : 22.05.2014

Design : J. Leven



211 SE , Eintakt Trioden Verstärker

Röhren : 12AU7, EH 6V6GT , 211 Shuguang

Der Arbeitspunkt : jede 211 Röhre kann einfach und genau mit der NGV eingestellt werden. Die Röhre arbeitet im reinem Klasse A Modus .

Treiber : 6V6GT ist als Triode geschaltet und choke loaded

Klang: sehr ausgewogen, löst feinste Klangdetails auf, läuft an Boxen mit mittlerer Empfindlichkeit aber auch durch den geringen hum and noise an wirkungsgradstarken Boxen

Abhörkette : ML 380S, CD Cambridge Audio 851 C, DAC-UP-PCM1794 MK-II

Box 1 : 3 Wege, 65 l BR mit internen Helmholtz-Absorber, separates entkoppeltes Mittel/Hochton Gehäuse, schwimmend gelagerte Schallwand .

Chassis : SEAS CA26RE4X, Accuton C158-8-085, ScanSpeak D3004/662000,

Empfindlichkeit bei 2,82V/1 m : 89dB, Impedanz 6-8 Ohm.

Box 2 : 86 dB , siehe KT120 AGILE



211 SE ,single ended amplifier

This circuit is designed for a 211 tube, the driver stage consists of a strong tube, 6V6GT, 12AU7.

The operating point of any 211 tube can be easily and accurately adjusted with the NGV .The tube operates in pure class A mode .

Sound : very detailed, trioden sound , excellent resolution and dynamic performance, runs on boxes from around 86dB or higher .

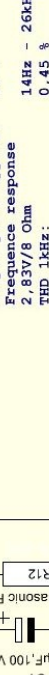
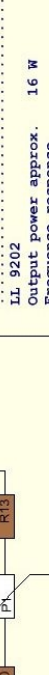
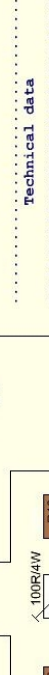
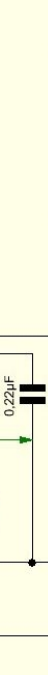
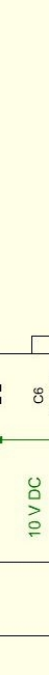
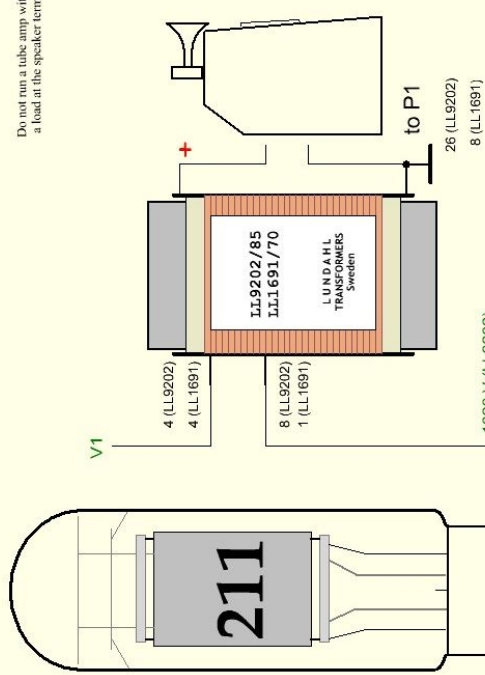
It is possible to wire the output transformer for 4 Ohms or 8 Ohms speakers at LL9202 for 8 Ohm Speakers LL1691

This design was made by Dipl .Ing. J. Leven from Germany, the 211 SE power amplifier has been tested on various speakers . This text was placed here with kind permission of Mr. Leven.

<http://www.jacmusic.com/>

<http://4tubes.com/SCHEMATICS/LUNDAHL-TRANSFORMERS/!LEVEN-Germany/>

Do not run a tube amp without a load at the speaker terminal



Technical data	
LL 9202	
Output power approx.	16 W
Frequency response	15Hz - 20kHz
2,83V/8 Ohm	
THD 1kHz:	0.41 %
LL 1691	
Output power approx.	18 W
Frequency response	14Hz - 26kHz
2,83V/8 Ohm	
THD 1kHz:	0.45 %
Hum-noise less than	0.7 mV
DF	2,8

Engineering Development J. Leven	211 SE	Release : M1
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