



Suggested by Bill Perkins:

Altec 260A, 813 PP, (1956)

Now, we are talking...Look at this at this thing...1,2V RMS at the input terminals and you will have some 260 freaky Watts to feed your speaker !

(Take that , you 205D SE purist 😊)

This is really a “look and learn” thing. Stunningly simple for a high watt tube amp. Heck it would be even for a 10 Watt'er.

Iron input phase splitter (way to go) , 6AU6 PP choke load drive (Balanced to you geeks) and 813's output. The original input transformer is a step up thing, but as we do not need that much gain for modern signals a 1:1 or 1:2 would be better. The driver choke could be just about any interstage with a midpoint (center tapped) and the secondary may be left unused or if possible split into two and incorporated at the primary in order to make an autotransformer. The output transformer is difficult to find. It should be a 12-16k Ohms primary and whatever output you prefer. If it has 0-4-8-16 Ohms taps, you can make the grounded midpoint from the 4 Ohm tap and use the 0 and 16 taps as the feedback to the 6AU6 cathodes. A little twisting with the 3k6 feedback resistor may be necessary.

You may wonder how they manage to drive them mighty 813's from a pair of dwarfy 6AU6's ? The answer is simple. 813's needs very little drive power (Read: no grid current and high amplification) in order to deliver. You hardly need to tickle it at the grid and it gives away all it got. Thats how I like women as well.

2 x 3B28 and a 5R4 rectifier...He he...I like..

Well – here comes the down side..Weight 186 lbs....1800 plate Volts and 780V sg 2...! I use a little less Voltage in my Williamson 813PP design (to be found in the Williamson articles), and you might find some of the little tricks I use advantous if you wanna go into high Voltage transmitting tube audio.

A note of concern. I would not recommend playing with these transmitting tube designs unless you are 110% familiar with advanced high Voltage tube technology. No tube is worth sacrificing your health or life.

The original schematic as well as the PSU and many details can be found here in very good quality:http://www.pearl-hifi.com/06_Lit_Archive/07_Misc_Downloads/Altec_260A_Instr.pdf

Good pick, Bill.
