Subject: Re: matchless chieftain transformers Posted by Damir on Sat, 20 Aug 2005 20:41:27 GMT View Forum Message <> Reply to Message

Hm, 20mH seems like pretty small choke in tube amp PS, it's more likely that it's 10-20H choke. I don't have PS schematic, but I suppose that's "guitar amp classic" - B+ for output tubes is from the first cap, then Pi-filter (choke+another cap) for screen grids (g2), then RC filters for splitter/preamp tubes. I found amp schematic, and it shows about Uak~390V "through" each EL34, cathode biased - each EL34 with Rk=270 Ohms+cap. On schematic, Uk=24V. That means that current through the EL34 Ia+g2 = Uk/Rk = 24/270 = 88,9mA. And dissipation through the each tube is Pa+g2 = 390*0,0889 = 34,6W!Much more then Pa+g2 max. for EL34.Well, maybe I found not so good schematic on the web - can you post the link of your schematic? And schematic is not everything - layout, choice of parts make much difference.IMO - if you have tons of experience, good schematic and known layout - go on with this project. But, if not - maybe first try some books by Kevin O'Connor. There are some with complete schematics, layout, etc. - see "London Power" site for more details.

Page 1 of 1 ---- Generated from AudioRoundTable.com