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Subject: SE 300B Project, Part 13 - The finished amp

Posted by [Damir](#) on Mon, 26 Jun 2006 17:25:06 GMT

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Well, I finally put together two AZ50 rectifiers, two 300B and two C3g tubes on the top of the 19"/2HE rack, together with PT (grey box). I wanted compactness of the single chassis stereo amp, but you can see the inside - two PTs, four PS chokes, two grid chokes, 11 big capacitors, two CCS modules, etc. Everything is closer together than I really liked, but I tried my best to somehow put all this together. See the position and orientations of various magnetic components. I added partition in the middle of non-magnetic steel, a little bit of separation between the channels and components, but its main purpose was to strengthen the chassis - it isn't human how heavy is this amp! The components are hanging upside-down, screwed on the top plate - good for servicing, but not so nice looking of many screw-heads on the top plate... personally, I don't care. L & R inputs are in the corners, very close to the "Goldpoint" input attenuators and driver tubes - just a few cm of silver wire... On the first picture you can (barely) see the pot for hum balance, and a little socket for monitoring the bias current close to the 300B socket. From the rear you can see the (IMO - nice) location of LEDs for the C3g bias, connectors, switches and pots. The sound is a little more "damped" and less open than breadboarded version, probably not a surprise - monobloc construction and a larger chassis have their advantages. After a few hours of burn-in (listening the music), the sound is a bit better, but I'll try a few things (Mu-out) again... and again... And one more thing - I relocated the amp to the home where the mains voltage is about 5% lower than in my "workshop" (B+ and B1+, too)... output tubes now biased about -69V (it's a 69/910 ~76mA), I'll probably lower  $R_k$ 's a little. Expecting update in a week or two...

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