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Subject: Re: Juvenile request

Posted by [Damir](#) on Sat, 05 Feb 2005 18:02:06 GMT

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SE 2A3 (6B4G, 6A3) power amp would be rel. easy, IMO - with typical OP ( $U_{ak}=250V$ ,  $U_{gk}=-45V$ ,  $I_a=60mA$ ,  $R_a=2k\Omega$ ,  $P_{out}=3,5W$ ), we need about 32Vrms "input" from the driver for the full power. With our high-output "Guinevere" line stage, we can comfortably use one - tube driver with active load, say again 5687, or ECC99, E182CC, or something from 6SN7 "family", say 6J5GT single triode. PS would be little more complicated, say LCLC for B+ of about 300V, motor-run caps again. For the input tube/driver additional LC (or RC stage). With active (DN2540 again) load, about 300V or little less is enough B+ for the above tubes. I can draw the schematic, even breadboard the prototype, I'm sure that Doug can give some ideas, especially with Hg-rectifiers (I don't have the experience with those). All in all, IMO - project easy enough to build, but "good enough" (with good transformers - "Heyboer" again, or...?). PP 2A3 is another option, maybe better - but little more complicated, especially phase splitter/driver - it's hard to do it "right" simple. Probably larger/separated B+ for the driver is in the order (400V or so, even larger), and probably 2-stage is required. Just some thoughts, we'll see...

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