

Typical operating conditions and characteristics class A₁ amplifier

Heater voltage (ac or dc)	6.3	6.3	6.3 volts
Heater current	450	450	450 mA
Plate voltage	180	250	315 volts
Grid No. 3 voltage	0	0	0 volts
Grid No. 2 voltage	180	250	225 volts
Grid No. 1 voltage	-8.5	-12.5	-13 volts
Plate resistance (approx.)	58000	52000	77000 ohms
Transconductance	3700	4100	3750 μ hos
Peak a-f signal voltage	8.5	12.5	13 volts
Zero signal plate current	29	45	34 mA
Zero signal Grid No. 2 current	3	4.5	2.2 mA
Maximum signal plate current	30	47	35 mA
Maximum signal Grid No. 2 current	4	7	6 mA
Load resistance	5500	5000	8500 ohms
Total harmonic distortion (approx.)	8	8	12%
Power output	2.0	4.5	5.5 watts