



Typical operating conditions and characteristics class A<sub>1</sub> 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 $\mu$ 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