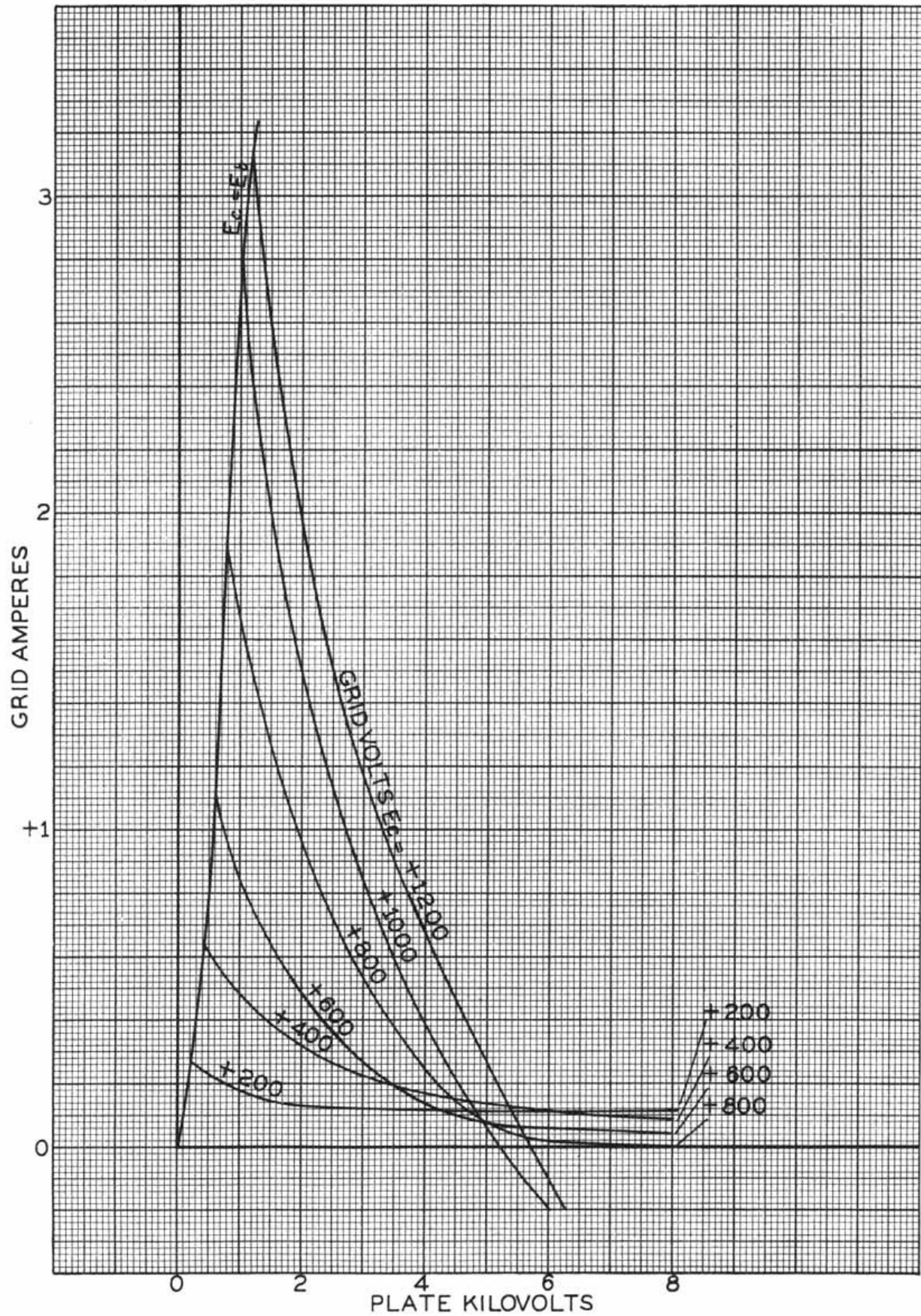
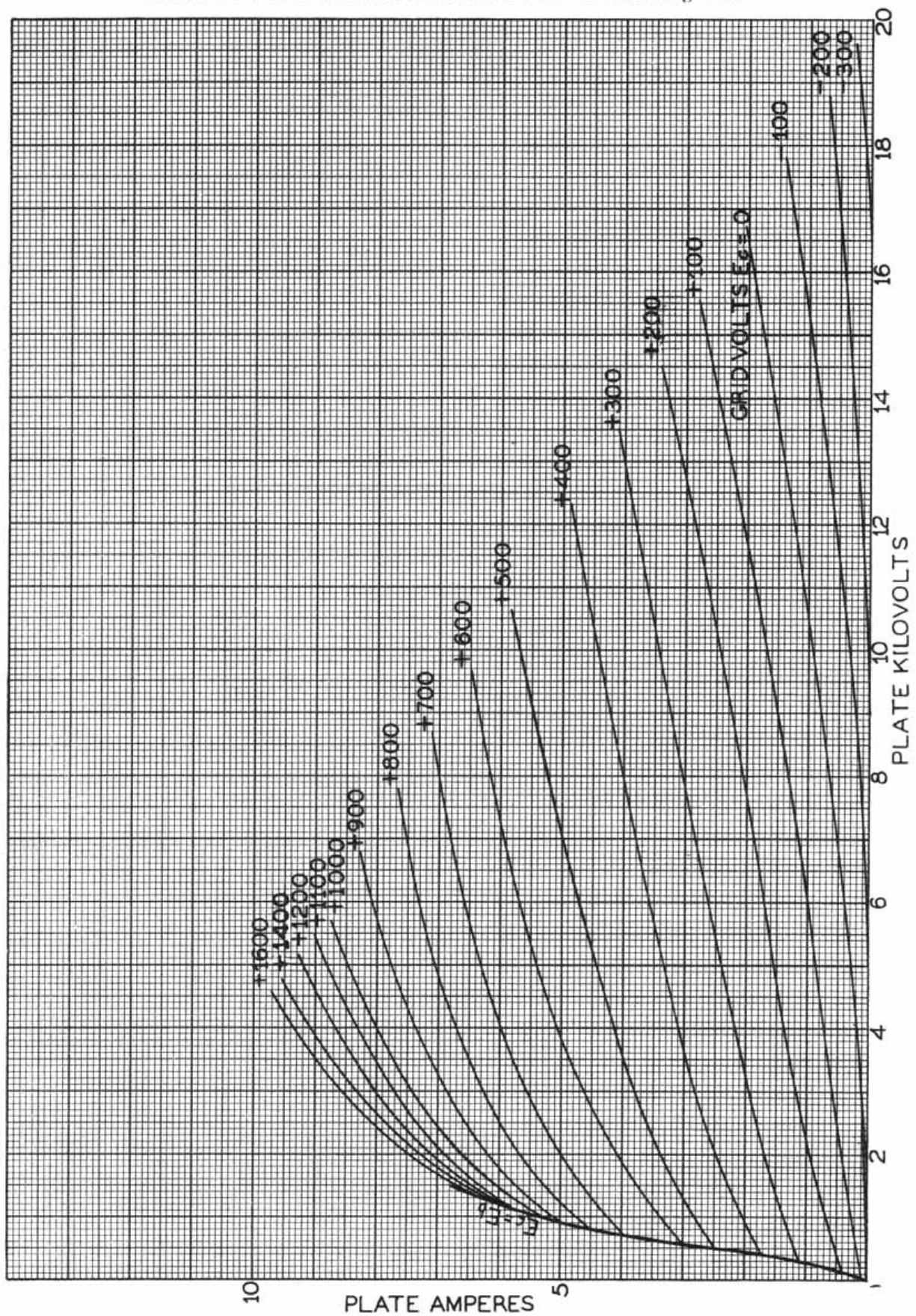


AVERAGE GRID CHARACTERISTICS F-363-A Transmitting Tube



AVERAGE PLATE CHARACTERISTICS F-363-A Transmitting Tube



Maximum Ratings

F-363-A Transmitting Tube

For maximum frequency of 1.5 megacycles

CLASS B AUDIO AMPLIFIER OR MODULATOR

D-C Plate Voltage	15000 volts
Max. Signal D-C Plate Current	2.0 amperes
Max. Signal Plate Input	20000 watts
Plate Dissipation	7500 watts

CLASS B R-F POWER AMPLIFIER—TELEPHONY

(Carrier conditions per tube for use with modulation factor up to 1.0)

D-C Plate Voltage	15000 volts
D-C Plate Current	1.0 ampere
R-F Grid Current	30 amperes
Plate Input	15000 watts
Plate Dissipation	10000 watts

CLASS C R-F POWER AMPLIFIER— TELEPHONY — PLATE MODULATED

(Carrier conditions per tube for use with modulation factor up to 1.0)

D-C Plate Voltage	10000 volts
D-C Plate Current	1.0 ampere
D-C Grid Current	0.25 ampere
R-F Grid Current	30 amperes
Plate Input	10000 watts
Plate Dissipation	6600 watts

CLASS C R-F POWER AMPLIFIER AND OSCILLATOR — TELEGRAPHY

(Key-down conditions per tube without modulation)*

D-C Plate Voltage	15000 volts
D-C Grid Voltage	—3000 volts
D-C Plate Current	2.0 amperes
D-C Grid Current	0.25 ampere
R-F Grid Current	30 amperes
Plate Input	30000 watts
Plate Dissipation	10000 watts

* Modulation essentially negative, may be used if the positive peak of the audio frequency envelope does not exceed 115% of the carrier condition value.

Typical Operation Data

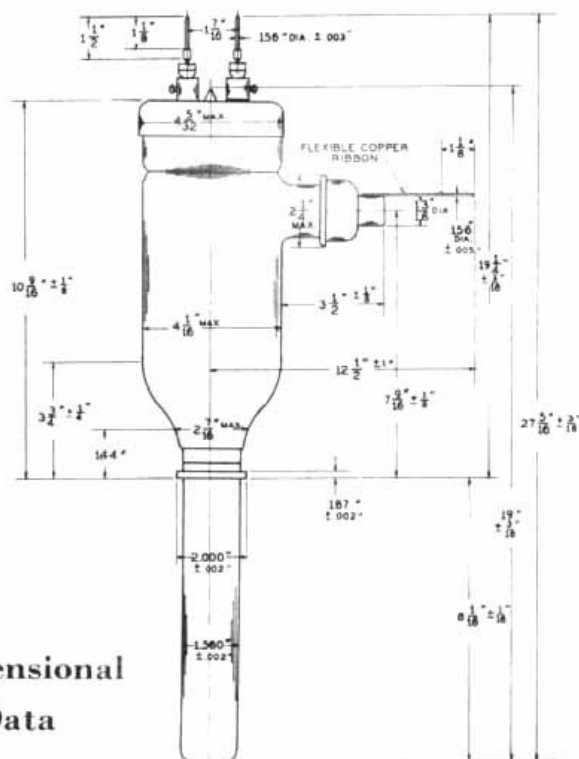
F-363-A Transmitting Tube

CLASS B R-F POWER AMPLIFIER

(Carrier conditions per tube for use with modulation factor up to 1.0)

Filament Voltage	22 volts
D-C Plate Voltage	12000 volts
D-C Grid Voltage	—195 volts (approx.)
Peak R-F Grid Input Voltage	830 volts (approx.)
D-C Plate Current	0.625 ampere
D-C Grid Current	0.145 ampere
Driving Power *	53 watts (approx.)
Load Impedance	5300 ohms
Power Output	2570 watts (approx.)

* At crest of A-F cycle



Dimensional
Data