

SPECIFICATIONS

FREQUENCY RANGES

80 Meters	3.5 to 4.0 mc LSB
40 Meters	7.0 to 7.5 mc LSB
40 Meters	13.85 to 14.35 mc USB
15 Meters	21.0 to 21.5 mc USB
10 Meters	28.5 to 29.0 mc USB
Full coverage of 10-meter band possible through use of optional accessory kit.	

POWER INPUT

Single Sideband Suppressed Carrier
400 watts, PEP, minimum on all bands

CW
320 watts dc input on all bands

AM (Single Sideband with Carrier)
125 watts dc input on all bands

DISTORTION

Distortion products down at least 30 db.

UNWANTED SIDEBAND SUPPRESSION

Unwanted sideband down at least 40 db

CARRIER SUPPRESSION

Carrier suppression at least 50 db

RECEIVER SENSITIVITY

Less than 0.5 microvolt at 50 ohms impedance for signal-plus-noise to noise ratio of 10 db

AUDIO OUTPUT AND RESPONSE

Audio output approximately 3 watts to 3.2 ohm load. Response essentially flat 300 to 3000 cps in both receive and transmit.

METERING

Power Amplifier cathode current 0-500 ma on transmit, S-Meter 0-70db over S9 on receive.

FRONT PANEL CONTROLS

REC-TUNE-CW, AF GAIN, RF GAIN, MIC. GAIN, BANDSWITCH, CARRIER BALANCE, PA PLATE TUNE, PA GRID TUNE, PA LOAD COARSE, PA LOAD FINE, VOX-PTT SWITCH.

REAR PANEL CONTROLS AND CONNECTORS

Bias potentiometer, Grid-Block CW key jack, Jones plug power connector, Vox Connector, Antenna, S-Meter zero, SPDT relay terminal.

VACUUM TUBE COMPLEMENT

V1	6EW6 VFO Amplifier
-V2	12BE6 Transmitter Mixer
V3	6GK6 Driver
-V4	6HF5 Power Amplifier
-V5	6HF5 Power Amplifier
-V6	12RZ6 Receiver RF Amplifier
V7	12BE6 Receiver Mixer
-V8	6EW6 First IF Amplifier
-V9	12BA6 Second IF Amplifier
V10	12AX7 Product Detector/Receiver Audio
-V11	6BN8 AGC Amplifier/Detector
V12	6GK6 Audio Output
V13	7360 Balanced Modulator
-V14	12BA6 Carrier Oscillator
V15	12AX7 Mic. Amplifier/Transmit Audio
V16	OA2 Voltage Regulator

DIODE AND TRANSISTOR COMPLEMENT

Q1	2N706 Oscillator
Q2	2N706 Emitter Follower
D-101	TS-2 ALC diode
D-402	TS-2 ALC diode
D601	TS-2 S-Meter Delay diode
D1601	1N2974 Zener Voltage Regulator
D1602	TS-2 Relay Quieting Diode

TRANSMITTER OUTPUT

Wide-range Pi-network output matches antennas essentially resistive at 20 to 300 ohms impedance, with provisions for both coarse and fine loading adjust.

POWER REQUIREMENTS

Filaments	12.6 volts, 5.5 amp. ac or dc
Relay	12 volts dc, 250 ma
Bias	-110 volts dc, 100 ma
Medium Voltage	275 volts dc, 150 ma
High Voltage	500 volts dc, 500 ma

DIMENSIONS AND WEIGHT

Dimensions	5-1/2 in. high, 13 in. wide, 11 in. deep.
Weight	17-1/4 lb.