

5. Technical Characteristics

Type of circuit	Triple-conversion superheterodyne on eight lowest frequency bands; double-conversion superheterodyne on all other bands.
Frequency range	0.5 to 32 mc.
Types of signals received	A1, cw; A2, mcw; A3, voice; A9, single sideband; F1, frequency-shift keying.
Type of tuning	Continuous; frequency read directly on counter-type indicator.
Method of calibration	Built-in crystal-controlled.
Calibration points	Every 100 kc.
Audio power output:	
600-ohm unbalanced line	500 mw, minimum.
600-ohm balanced line	10 mw, minimum.
Headphones	1 mw, minimum.
If selectivity	100 cps to 16 kc bandwidth in six steps.
Intermediate frequencies:	
First variable if (used on eight lowest frequency bands)	17.5 to 25 mc.
Second variable if (used on all bands)	2.5 to 2 mc on lowest band; 3 to 2 mc on all other bands.
Third (fixed) if	455 kc.
Power source	115/230 volts ac $\pm 10\%$, 48 to 62 cps.
Power input:	
115/230 volts ac	225 watts total; 140 watts with OVENS switch turned to OFF.
Number of tubes	26 (including current-regulator tube RT510).
Antennas:	
Unbalanced	Straight-wire of random length or vehicular-mounted whip.
Balanced	125-ohm terminating impedance; matches 50- to 200-ohm balanced or unbalanced transmission lines by using adapters.
Temperature range	-40° C (-40° F) to 65° C (149° F).
Altitude	Up to 10,000 ft. above sea level.
Weight	75 lb.
Range of vfo	3.455 to 2.455 mc.

6. Table of Components

Component	Required No.	Height (in.)	Width (in.)	Depth (in.)	Volume (cu ft)	Unit wt (lb)
Receiver	1	10-15/32	19	16-19/32	2	7
Technical manuals	2					2
Set of running spares	1					1
Total weight (lb)						80

Note. This list is for general information only. See appropriate supply publications for information pertaining to requisition of spare parts.