



BC-365-F

Figure 41. Radio Transmitter BC-365-F.

Status: Standard. *Stock No.:* 2C6355. *Reference:* TM 11-828.

Radio Transmitter BC-365-F is a l-f, long-range communications transmitter designed for either c-w or radioteletypewriter operation, and is also used as an exciter for Amplifier Assembly AN/FRA-1.

This transmitter is manually adjusted if master oscillator operated. It is designed for either local or remote control, and includes Remote Control Unit RM-10.

Oscillator O-73/URT is a suitable l-f frequency-shift keyer which can be used with Radio Transmitter BC-365-F.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 0.15 to 0.55 mc.
 NUMBER OF CRYSTALS: None.
 PRESET FREQUENCIES: 1.
 ANTENNA: Intermediate flat top; Antenna Kit MX-765/
 FR, Tower AB-127/FR. (Any antenna having an effective
 resistance of 6 to 12 ohms and apparent capacity of
 750 to 3,000 mmf may be used.)
 TYPE MODULATION: C-w or l-f shift-keying (max shift
 175 cps).
 FREQUENCY CONTROL: Mo, crystal, or external oscil-
 lator.
 POWER SOURCE: The entire transmitter operates from
 a single-phase, 50/60-cyc source of either 110- or 220-v.
 The required input power is approximately, 1,800 w max
 at a power factor of 95 percent.
 POWER OUTPUT: 350 w.
 RANGE: Medium and long.
 NUMBER OF TUBES: 12.

GENERAL APPLICATION

USE: Point-to-point transmission.
 TO COMMUNICATE WITH: Aircraft and point-to-point
 stations.
 INSTALLATION: Fixed station.
 TYPE OF SIGNAL: C-w and l-f shift keying.

PRINCIPAL COMPONENTS

Name	Dimensions (in.)	Weight (lb)
Radio Transmitter BC-365-		
F	28 x 26 x 76	810
Remote Control Unit RM-		
10-F	19 x 1 $\frac{1}{8}$ x 1 $\frac{3}{4}$	2 $\frac{1}{4}$
Spare parts in box	23 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 12 $\frac{1}{4}$	58

WEIGHT AND VOLUME

	Unpacked	Export pack
Total weight (lb)	870	965
Total volume (cu ft)		84
Ship tons		2.1