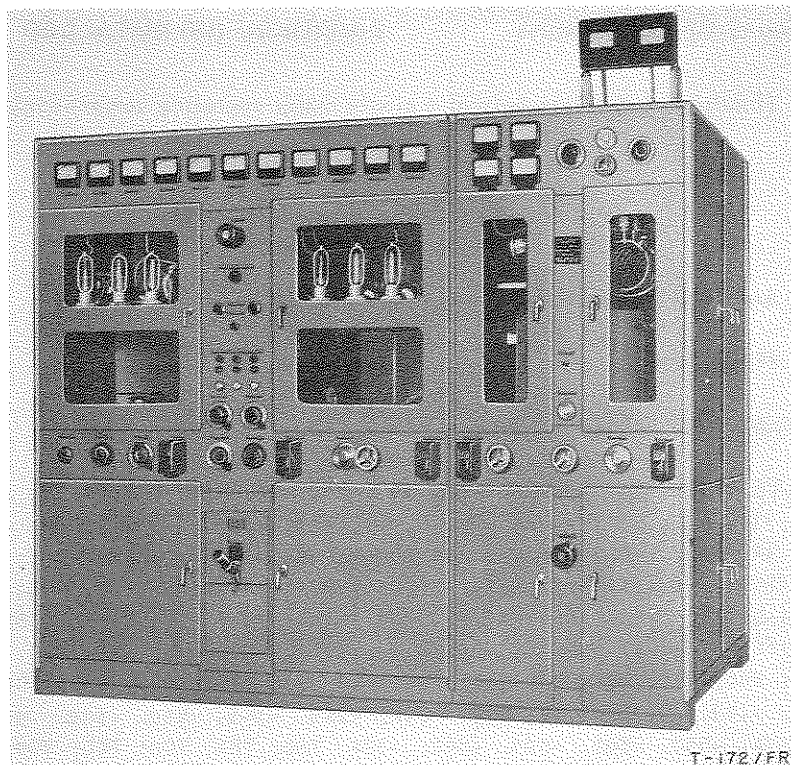


STATUS: Limited Standard	AN/FRT-TYPE	
CLASSIFICATION OF EQUIPMENT: Unclassified		
USING SERVICE: Army		AN/COMP TYPE NUMBER: T-172/FR
DATE OF THIS SHEET: 31 Jan 52		RADIO TRANSMITTER



Radio Transmitter T-172/FR is a crystal-controlled, long-range, high-frequency, transmitting equipment used for a-m (cw, and frequency-shift keying) communications in fixed plant applications at army and higher headquarters.

This equipment consists of medium-power radio transmitting equipment, including rectifier, exciter, power amplifier, and related units inclosed in a large floor-type steel cabinet as a single unit. It is capable of c-w transmission at the rate of about 350 wpm, and by means of supplementary equipment, can be used in radioteletype communication.

It operates in six frequency channels which are selected by a six-position selector switch located on the operating panel.

This transmitter uses a rhombic antenna system, having a 500 to 600-ohm two-wire transmission line, and can be operated from a distant operating point by means of appropriate remote control components.

It operates from a source of 220-v ac.

AN/FRT-TYPE		INSTRUCTION LITERATURE: TM 11-821
T-172/FR	:AN/COMP TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TRANSMITTER		USING SERVICE : Army
		DATE OF THIS SHEET: 31 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(Equipment consists only of a single major operating component.)

OPERATIONAL CHARACTERISTICS**TACTICAL USE:** Army and higher headquarters, fixed plant.**INSTALLATION:** Fixed station.**APPROXIMATE RANGE (IN MILES):** Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -12, -28, -32; AN/GRC-3, -4, -9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -22; AN/PRC-7, -8, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -5, -8, -13, -16, -20; AN/VRQ-1; BC-312, -342, -348, -779, -794, -1004; MBS; OA-58/FRC, -59/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDH; REA; SCR-177, -188, -193, -244, -274, -293, -294, -298, -399, -499, -506, -508, -509, -510, -528, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCO; TCS; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS**FREQUENCY RANGE IN MEGACYCLES:** 4 - 21.**TYPE OF SIGNAL:** Cw, and frequency shift keying.**POWER OUTPUT:** 15 kw.**POWER REQUIREMENTS:** 35 kw, 220 v, 60 cyc, 3 phase, ac; 12 v dc.**PHYSICAL CHARACTERISTICS**

Radio Transmitter T-172/FR measures 108 x 84-1/2 x 56-1/4 inches, net weight 6,948 pounds, volume 294.2 cu ft. Packed for export shipment: total weight 11,227 pounds, total volume 885.4 cu ft. 22.1 ship tons.