

SUMMARY OF DATA

PURPOSE

Low power UHF (Voice) multi-channel transmitter primarily for ship-ship and ship-shore communication.

TYPE OF TRANSMISSION

Amplitude modulated cw.

FREQUENCY RANGE

225.0 to 399.9 MHz.

BRIEF DESCRIPTION

The transmitter consists of five stages; a drive unit, doubler with oscillator, amplifier, trebler and final amplifier. The frequency range of 225.0 to 399.9 MHz is divided into 1750 channels each separated by 100 kHz. Ten of these channels can be preset to the required frequencies and any one of these ten channels can be automatically selected by either remote or local switching. The frequency of the master oscillator is controlled by a system which incorporates 32 built-in crystals. These crystals provide the necessary combinations to embrace all of the 1750 channels. When two or more Type 692's are working into a single aerial, aerial resonators are fitted; Outfits EAN, EAP and EAQ when hand tuning is used; Outfits EAG, EAH and EAJ when auto tuning is used.



TYPE 692

MAJOR UNITS

PATT. NO.	DESCRIPTION	PHYSICAL DATA			
		WIDTH	DEPTH	HEIGHT	WEIGHT
64814	Cabinet Design 119	24 in.	27 in.	36 in.	} 470 lb
64820	Control Drawer Design 2	21 in.	17 in.	5 in.	
64681	Relay Unit Design 90 (fitted in Control Drawer, if required)				
932-5704	Transmitter Unit Type 7703	23½ in.	24 in.	13½ in.	
932-5705	Power Unit Type 7097	23½ in.	24 in.	13½ in.	

ELECTRICAL CHARACTERISTICS

R.F. Power Output	10 watts
Output Impedance	75 ohms
Modulation	Up to 100%

CONTROL CIRCUITS

Normal link-up with Control Outfits of the KH series.

POWER REQUIREMENTS

Main Supply	115 V or 230 V 50/60 Hz	680 W hand tuned resonators 780 W auto tuned resonators
Anti-condensation heaters	115 V 50/60 Hz or 220 V d.c. (only required when main equipment is OFF)	60 W

HEAT DISSIPATION

Type 692 (including auto tune resonators)

760 W

AERIAL OUTFIT

AJE(1)

HANDBOOK

BR 1492A

ESTABLISHMENT LIST

E1162

INSTALLATION SPECIFICATION

B865