

SUMMARY OF DATA

PURPOSE

A general purpose medium power (400-500 w) HF and MF transmitter for ship/ship, ship/shore and ship/air communication. It replaces Types 49, TAJ, TBK and TBL.

TYPE OF TRANSMISSION

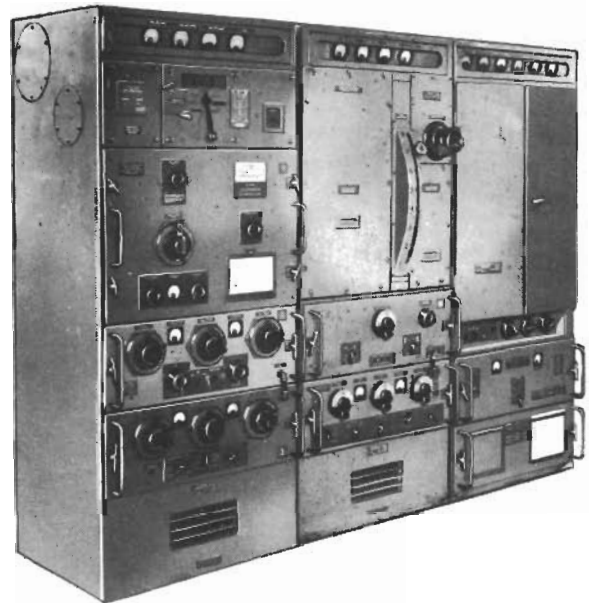
CW or MCW and Voice (HF only).

FREQUENCY RANGE

200-500 kHz and 1.5-24 MHz.

MAJOR UNITS

Types 605 and 605D comprise the following units:-



GENERAL VIEW OF EQUIPMENT

Unit	Part. No.	DESCRIPTION	PHYSICAL DATA			
			Height	Width	Depth	Weight
1	W8358	Rectifier Unit S.E.13	10½ in	2 ft 5 in	1 ft 5 in	130 lb
2	W8359	Modulator and Rectifier Unit Des. A	10 in	2 ft 4½ in	1 ft 2½ in	140 lb
3	W8360	Transmitter 5AB	10½ in	2 ft 4½ in	1 ft 5 in	80 lb
5	55055	Transmitter 4AD	10½ in	2 ft 4½ in	1 ft 2 in	69 lb
8	W9431	Amplifier M88	10½ in	2 ft 4½ in	2 ft	130 lb
9	W9439	Aerial Tuning Unit for M88	1 ft 9 in	2 ft 3 in	1 ft 9 in	200 lb
11	53345A	Framework Des. 1	6 ft	2 ft 5½ in	1 ft 11 in	500 lb
12	W9433	Transformer Unit Des. 1	1 ft 2¼ in	2 ft 3 in	1 ft 1 in	340 lb
13	54298	Rectifier Unit Des. 45	1 ft 9 in	2 ft 3 in	8½ in	200 lb
14	W9432	Modulator Unit Des. 2	10½ in	2 ft 3 in	1 ft 5 in	120 lb
15	57824	Contacting Unit, Des. 3	7½ in	2 ft 3 in	1 ft 2 in	55 lb
16	55057	Bias Unit	8 in	2 ft 4 in	8 in	60 lb
17	57825	Framework, Des. 3	6 ft	2 ft 5½ in	1 ft 11 in	530 lb
18	53347	Amplifier M89	10½ in	2 ft 4½ in	1 ft 11 in	96 lb
19	53346	Aerial Tuning Unit for M89	3 ft 1½ in	2 ft 5½ in	1 ft 11 in	273 lb
20	53349	Framework, Des. 4	2 ft 10½ in	2 ft 5½ in	1 ft 11 in	274 lb
-	54772/A	Spark Quench Unit, Des. 1	-	-	-	-

BRIEF DESCRIPTION OF UNITS

Type 605/D is a composite transmitter comprising various units of Types 601-604. The detailed descriptions of these units are given in the Summary of Data sheets for these transmitters.

POWER REQUIREMENTS AND CONSUMPTION

230 V, 50 Hz 1 Ø or 3 Ø

3 kW on CW

4½ kW on MCW and Voice.

CONTROL CIRCUITS

Type 605 can be operated by 'Local Control' or by any of the standard Wireless Control Outfits. Type 605D is fitted with the Centralized W/T System (CWS).

AERIAL SYSTEM

MF The Aerial Tuning Unit will accommodate any aerial of 550 pF to 1100 pF and 1 ohm to 4 ohms.

HF The Aerial Tuning Unit will accommodate any aerial of 30 ft or longer, including whip aerials.

HANDBOOK

BR 1470(1)(2)(3)

ESTABLISHMENT LIST

E696

INSTALLATION SPECIFICATION

B691