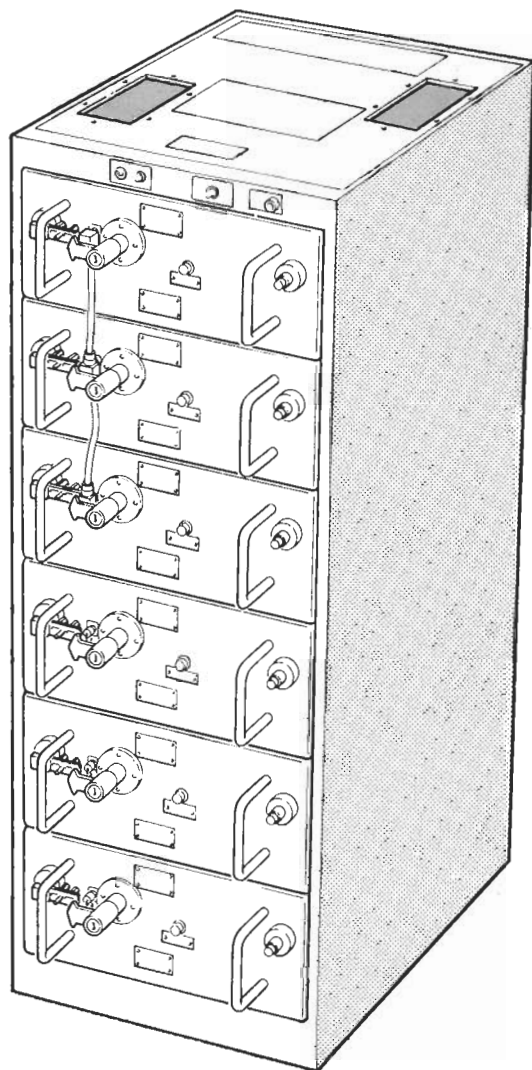
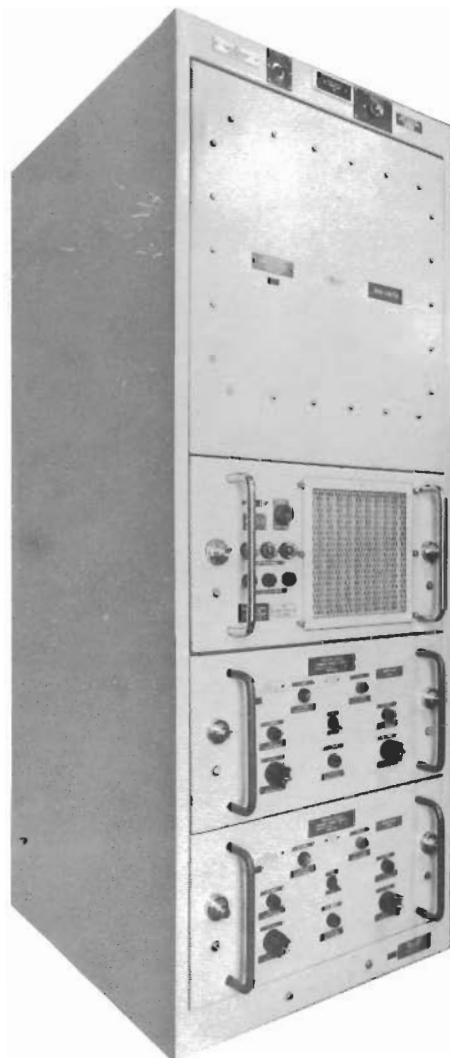


RESTRICTEDBR 333(1)
Original**COMMON AERIAL OUTFITS EAW SERIES
(ICS 2)****EAW(4)(5)(6) & (7)****SUMMARY OF DATA**

FILTER CABINET

POWER SUPPLY
AND DUMMY LOAD CABINET**PURPOSE**

Outfit EAW allows up to 8 ICS 2 transmitters to radiate simultaneously from any one of a number of broadband aerials utilizing the ship's superstructure, in the frequency range 2 to 24 MHz, with a minimum of degradation to the individual transmitter outputs.

BRIEF DESCRIPTION

An Outfit EAW consists of one or more identical cabinets, each housing up to six filter drawers connected to a common aerial feeder by busbar assemblies attached to the rear of the cabinet. The aerial feeder is connected to the broadband aerial via an r.f. matching transformer or antenna to transmitter adaptor. A separate cabinet provides d.c. supplies and two dummy load assemblies, these two latter assemblies allow the individual filters to be remotely tuned to their selected frequency prior to actual radiation from the broadband aerial. The two d.c. supplies are utilized by Outfit EAW and the 24 V d.c. supply by Transmitter Aerial Exchange EY.

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MAJOR UNITS

NSN Or Other Ref. No.	DESCRIPTION	PHYSICAL DATA				QUANTITY FITTED			
		HEIGHT	WIDTH	DEPTH	WEIGHT	EAW (4)	EAW (5)	EAW (6)	EAW (7)
5820-99-418-1219 (5820-AP 164500)	Cabinet, HF Filter	5' 3"	2'	2' 3"	455 lb	2	2	1	1
5820-99-418-1220 (5820-AP 164501)	Filter Drawer 2-6 MHz	9½"	1' 9½"	1' 10"	88 lb	•	•	•	•
5820-99-418-1221 (5820-AP 164503)	Filter Drawer 8-24 MHz	9½"	1' 9½"	1' 10"	84 lb	3	1	-	-
5820-99-418-1413 (5820-AP 164663)	Filter Drawer 3-11.5 MHz	9½"	1' 9½"	1' 10"	74 lb	•	•	•	•
5820-99-418-1309 (5820-AP 164788)	Filter Drawer 2-6 MHz	9½"	1' 9½"	1' 10"	84 lb	5	-	-	-
5820-99-418-1310 (5820-AP 164789)	Filter Drawer 3-11.5 MHz	9½"	1' 9½"	1' 10"	84 lb	4	8	6	6
5820-99-418-1400 (5820-AP 164646)	Cabinet, Power and Dummy Load	5' 3"	2'	2' 3"	320 lb	1	1	1	1
5820-99-418-1856 (5820-AP 164805)	Drawer, Power Supply	10 9/16"	1' 9½"	1' 5"	81 lb	2	2	2	2
5820-99-916-4683	Cooler, Air Elec- tronic Equipment	11½"	1' 9½"	1' 10"	76 lb	1	1	1	1
5985-99-918-6524	Dummy Load Assembly	1' 11½"	1' 9½"	(FRONT COVER)	56 lb	1	1	1	1

APPROXIMATE TOTAL WEIGHT OF THE FOUR OUTFITS EAW(4) 2830 lb EAW(5) 2600 lb EAW(6) 1720 lb EAW(7) 1725 lb

* These filter drawers may still be fitted for Single Drive Working in lieu of 5820-AP 164788/9 until present stocks are exhausted.

ELECTRICAL POWER REQUIREMENTS

- Cabinet, HF Filter - 115 V/230 V a.c. (single phase) or d.c. 300 W Anti-Condensation Heaters.
- Cabinet, Power and Dummy Load - 440 V, 60 Hz 3 phase 200 W - Fans Cooler Air Electronic.
115 V/230 V a.c. (single phase) or d.c. 300 W Cabinet Anti-Condensation Heaters
- Overheating and Smoke Detection - 115 V/230 V 50/60 Hz 54 W (Un-Switched)

HEAT DISSIPATION (Individual Cabinets)

- Cabinet, HF Filter 1200 Watts (Full power intermittent per Cabinet)
- Cabinet, Power and Dummy Load 1000 Watts (Intermittent)

HANDBOOKS

- BR 4176(3) and (4) Integrated Communication System. Stage 2 (ICS 2) System Information
- BR 4171 Common Aerial Outfit EAW Series (ICS 2)

ESTABLISHMENT LISTS

EAW(4)(5)(6) and (7) - E1306

INSTALLATION SPECIFICATION

- B1073 - For the Office Equipment
- B1072 - For the Aerial Equipment