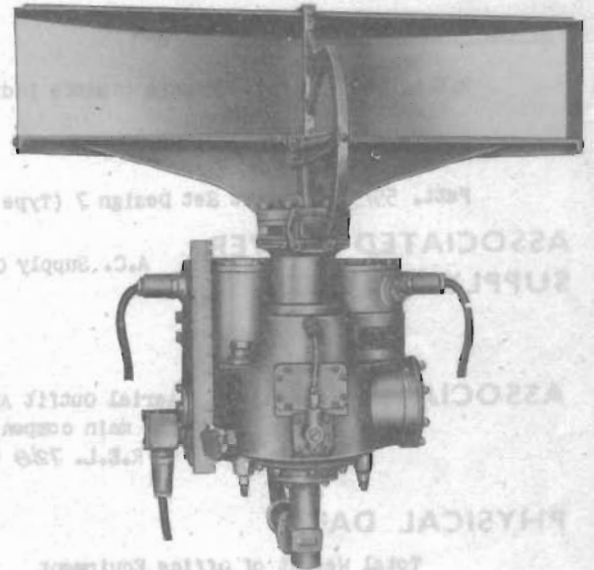


TYPES 268 and 268U

SUMMARY OF DATA

PURPOSE	Surface Warning and Navigational Aid.
FREQUENCY	9400 Mc/s
WAVELENGTH	3.2 centimetres (approx.)
POWER OUTPUT	40 kW
PULSE REPETITION FREQUENCY	500 pulses per second
PULSE LENGTH	0.75 microsecond
BEAM-WIDTH	Horizontal 2.5° Vertical 20°
AERIAL ROTATION SPEED	22 revs. per minute
INTERMEDIATE FREQUENCY	31 Mc/s
RECEIVER BANDWIDTH	8 Mc/s
POWER REQUIREMENTS AND CONSUMPTION	(I) 180V 500 c/s 1 kW (II) 24V D.C. 150W (III) 110/220V D.C. 2 kW
HEAT DISSIPATION IN OFFICE	940 watts



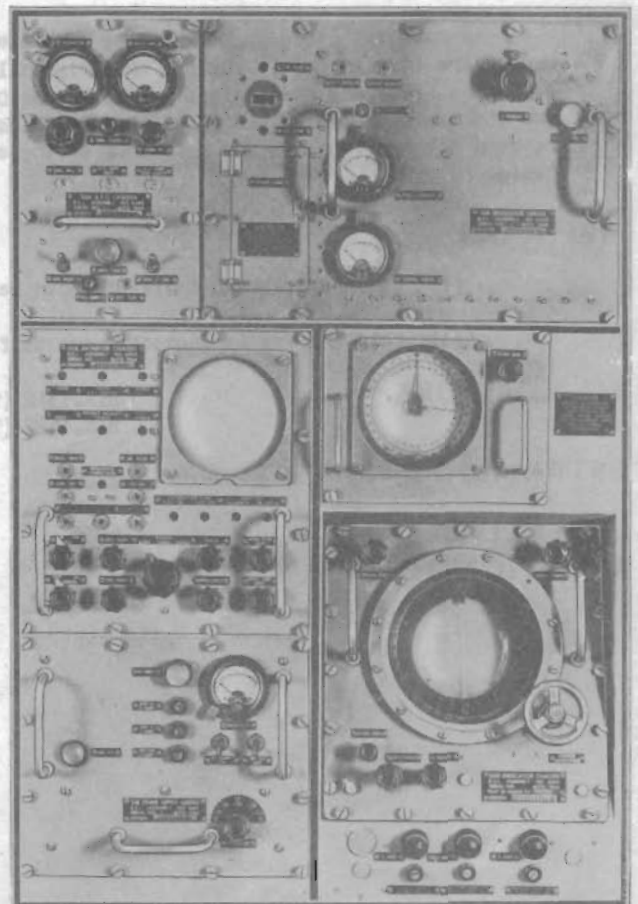
MAJOR UNITS

R.E.L. 6167 Rack No. 1 comprising:-

- (I) R.E.L. 6596 Automatic Frequency Control Chassis.
- (II) R.E.L. 6597 R.F. and Modulator Chassis
- (III) R.E.L. 24350 Magnetron Blower

R.E.L. 6168 Rack No. 2 comprising:-

- (I) R.E.L. 6600 Monitor Chassis
- (II) R.E.L. 6601 Power Supply Chassis



MAIN OFFICE RACK

R.E.L. 6169 Rack No. 3 comprising:-

R.E.L. 6602 P.P.I. Chassis (Indicator Outfit JF)

R.E.L. 6170 Rack No. 4 comprising:-

R.E.L. 6602 P.P.I. Chassis (Remote Indicator Outfit JF)

Ranging Outfit RTD

Patt. 55757/A/B Test Set Design 7 (Type 268 only)

**ASSOCIATED POWER
SUPPLY OUTFIT**

A.C. Supply Outfit DUF or DUW

ASSOCIATED AERIAL

Aerial Outfit ACN which is a power driven continuously rotating parabolic cheese. The main component is Aerial Rotator and Parabolic Assembly R.E.L. 5677 (110 volts) or R.E.L. 7249 (220 volts).

PHYSICAL DATA

Total Weight of Office Equipment	950 lb
Total Weight of Aerial Outfit ACN	140 lb
Total Weight of Remote Display	75 lb
Minimum Dimensions of Office	5' x 5' 6" x 6' 6" high

BRIEF DESCRIPTION

A Canadian set designed for the Navy towards the end of the war. No more are being bought though a large number are in existence. The set was originally designed for use mainly in Coastal Craft but has since been fitted as a surface warning set in Hunt Class Destroyers and below and as an interim navigational set in cruisers and above. Type 268 is the set fitted in ships except Coastal Craft which have Type 268U. The only difference between the two types is the method of wiring and in the aerial mounting; Type 268U is not fitted with Test Set Design 7.

REMARKS

- (i) No interrogation facilities can be provided.
- (ii) Only one remote indicator can be fitted.

HANDBOOKS

B.R.1312 (Type 268) B.R.1524 (Servicing Manual for Type 268)
B.R.1622 (Test Set Design 7)

ESTABLISHMENT LIST

E708

**INSTALLATION
SPECIFICATION**

B566