TYPE 267 PW(1)  
SUMMARY OF DATA

PURPOSE
Air and Surface Warning Set fitted in XA* and
*F Class Submarines.

FREQUENCY
Seamark
9650 - 9700 Kc/s (X-band)

Alarmed
214 Mc/s

POWER OUTPUT
30 kW (peak)
100 kW (peak)

PULSE REPEITION FREQUENCY
500 pulsas per second
500 pulsas per second

PULSE LENGTH
1.2 microseconds
1.2 microseconds

BEAM-WIDTH
Horizontal - 4.5°
Horizontal - 5°

Vertical - 30°
Vertical - 35°

(Aerial Outfit APT)

INTERMEDIATE FREQUENCY
11 Mc/s
11 Mc/s

RECEIVER BANDWIDTH
1.5 Mc/s
1.5 Mc/s

POWER REQUIREMENTS AND CONSUMPTION

(A) 1POY 500 c/s 1250 watts
(B) 2POY 50 c/s 1200 watts
(C) 247 watts
(D) 224 D.C. 80 watts (not working)
(E) 220 V D.C. 110 watts (not working)
(R) 120 V D.C. 1.62 watts

Heat dissipation in office
14 kW approx.

(A) AERIAL OUTFIT APT
(B) AERIAL OUTFIT APT

MAJOR UNITS
1. Patt.55710 Panel 3W Transmitting & Modulating
2. Patt.56006 Gate Control & Distribution Unit Des.1
3. Patt.57996 Framework Steel 22 x 11 x 10 Ins.
4. Patt.6971B Control Unit Upper Design 3
5. Patt.65711 Control Unit Lower Left Design 2
6. Patt.65712 Control Unit Lower Right Design 3
7. Patt.66678 Framework Steel 20 x 19 x 10 Ins.
8. Patt.66697 Rectifier Unit Design 130
9. Patt.66699 Transmitter and Power Amplifier Unit Des.9
10. Patt.67943 Control Unit Upper Design 3

(A) Display Outfit APT
(B) Display Outfit APT

11. Patt.66696 Cathode Ray Unit Design 12
12. Patt.66696 Receiver F70

(A) TYPE 267 PW CONSOLE
(B) TYPE 267 PW CONSOLE
PHYSICAL DATA

Height of Console complete  
Weight of Console complete  
Weight of Remote Display Equipment  
Weight of Aerial Outfit AIF  
Weight of Aerial Outfit AIF  
Dimension of Typical Office "A" Class  
Dimension of Typical Office "B" Class

ASSOCIATED AERIAL OUTFITS

Aerial Outfit AIF comprising  
Patt. 56854 Aerial Reflector Unit 
Patt. 66937 Aerial Drive Assembly 
Patt. 56837 Spark Suppression Unit 
Patt. 55754/5/6 Test Set Design 6. 
Wavesides etc.

ASSOCIATED POWER SUPPLY OUTFIT

A.C. Supply Unit 6KA (see respective Summary of Data Sheet)

BRIEF DESCRIPTION

Type 2676W is fitted in 1,4 and 1,9 Class submarines to give air warning and surface warning with P.R.I. display. The air warning side operates on the 5,4 metre band, the surface warning on the 3,5 band. Only one band can be used at any one time.

The main portion of the equipment is fitted in a Console in the Radar Office. The arrangement of this console is identical for both "A" and "B" Class submarines. The remaining equipment is fitted around the office. A remote display equipment is fitted in the Control Room.

Two separate aerial outfits are fitted, AIF which uses a periscope aerial unit and a waveguide feeder system and AIF which has a telescopic mast and a cable feeder system. Both aerials are power driven and can be made to rotate one at a time or together in synchronization. The speed of rotation is 1.5 to 5 A.P.H. (approx.).

REMARKS

The associated interrogator type 2639W is fitted in the Console.

HANDBOOK

B.4.18.4.6/(1) (2)

ESTABLISHMENT LISTS

B.958 (Type 2676W and Receiver Outfit CPD) 
B.947 (Display Outfit JPR) 
B.446 (Aerial Outfit AIF) 
B.523 (Aerial Outfit AIF)

INSTALLATION SPECIFICATION

B.899