

**RESTRICTED**BR 333(1)  
Original**AERIAL OUTFITS AQQ(2) AND AQQ(3)****AQQ****SUMMARY OF DATA****PURPOSE**

For use with Type 960 to give aircraft warning and height estimation.

**FREQUENCIES**

Five spot frequencies:-

90.0 MHz, frequency code F	} Obsolescent
88.0 MHz, frequency code D	
86.0 MHz, frequency code B	
84.4 MHz, frequency code M	
82.8 MHz, frequency code L	

**AERIAL ROTATION SPEED**

Up to 7 rev/min. clockwise; up to 2 rev/min. counter-clockwise.

**BEAM WIDTH**

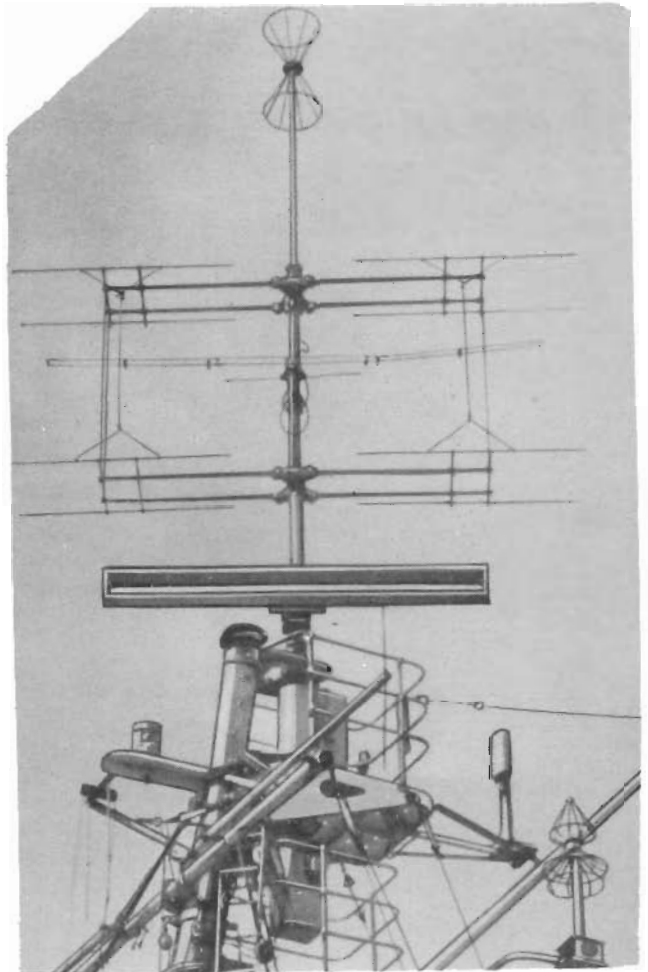
35° horizontal.

**AERIAL GAIN**

18 dB

**BRIEF DESCRIPTION**

The aerial array consists of two 'box' elements, each consisting of two half-wave dipoles and reflectors. Training speed and direction is controlled either from Control Unit 20N (AQQ(2)) or Control Unit Des. 128 (AQQ(3)) in the Type 960 Office, or from Control Unit 20P (960, 982 combination) or Control Unit Des. 46 (960, 277 combination) in the R.D.R. The aerial is stabilised in azimuth. AQQ(2) provides M-type aerial true bearing transmission and AQQ(3) provides magstrip transmission to type 960 displays.



AERIAL OUTFIT AQQ - MASTHEAD ASSEMBLY

**MAJOR UNITS**

AP No.	Description
57604A	Control Unit 20N (AQQ(2))
or 64623	Control Unit Des. 128 (AQQ(3))
59376	Motor Generator, Servo (d.c. ships)
or 67540	Motor Generator, Servo (a.c. ships)
57692	Pedestal Unit 19AL
65293A	Contact Unit Des. 8 (d.c. ships)
or 67739	Contact Unit 50A (a.c. ships)
63899	Aerial Dipole Des. 5
67720	Rectifier Unit, 220 V d.c. 1 kW (some a.c. ships)

**POWER REQUIREMENTS**

230 V 50/60 Hz single phase  
50/60 V, 50/60 Hz single phase (in same phase as 230 V)  
220 V d.c.  
24 V d.c.  
Gyro supplies

**POWER SUPPLY OUTFITS**

Supply Outfits DVH, DVJ or DVN in d.c. ships.  
Supply Outfit DYF in a.c. ships.

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## HANDBOOK

BR 1339

## ESTABLISHMENT LIST

E 851

## INSTALLATION SPECIFICATIONS

B 827 (AQQ(2))  
B 640/R3 (Type 960)

