

AERIAL OUTFIT AZR

AZR

SUMMARY OF DATA

PURPOSE

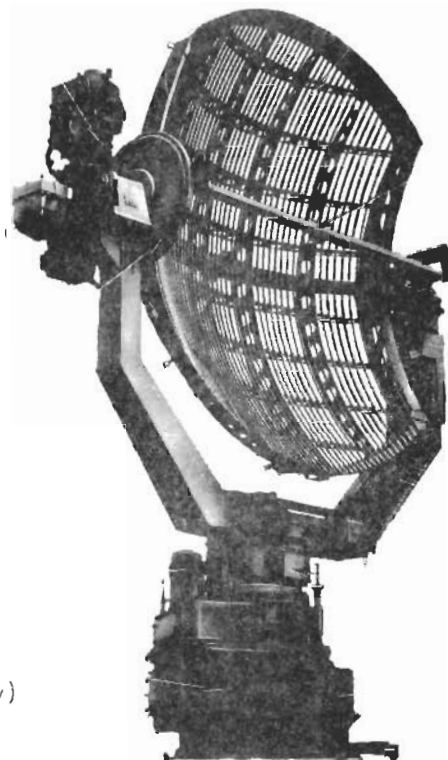
For use with Radar Type 278 to provide target elevation information for the Glamorgan Weapon System (G.A.W.S.).

BEAM WIDTH

4.5° Horizontal }
2.5° Vertical } To half field strength

BRIEF DESCRIPTION

The aerial consists of a cut paraboloid reflector for combined transmission and reception. The reflector can be elevated and trained in either direction by manual control from the Aerial Control Cabinet or by auto control from the Action Data Automation (ADA) System. Stabilisation against roll and pitch is provided by level and cross level training correction signals applied to the elevation and training servos respectively.



MAJOR UNITS

- 5985-AP 186554 Pedestal Unit
- 5985-AP 186560 Cabinet Aerial Control (Framework only)
- 6110-99-570-2001 Amplifier Assembly MK117AA
- 6110-99-570-2002 Amplifier Assembly MK122AA

PHYSICAL DATA

Pedestal Unit (including reflector unit) Height 12 ft 9 in
Turning Circle 4 ft 9 in (Radius)
Weight 2900 lb

	<u>Height</u>	<u>Width</u>	<u>Depth</u>	<u>Weight</u>
Reflector Unit	8 ft 6 in	6 ft	-	170 lb
Pedestal, Aerial	-	-	-	2330 lb
Aerial Control Cabinet	4 ft 2 in	2 ft	2 ft 9 in	408 lb empty 713 lb with units
	Height including shock mounts and terminal chamber 6 ft 3 in			
Amplifier Assembly MK117AA	2 ft 8 in	1 ft 5½ in	1 ft 5¾ in	196 lb
Amplifier Assembly MK122AA	1 ft 1 in	1 ft 5¾ in	1 ft 4½ in	108 lb

POWER REQUIREMENTS

- 115 V 400 Hz single-phase
- 115 V 60 Hz single-phase
- 220 V d.c.
- 230 V 60 Hz three-phase
- 24 V d.c.

HANDBOOK

BR 2459

ESTABLISHMENT LIST

E 1400

INSTALLATION SPECIFICATION

B 870