

AERIAL OUTFIT AKD(1) AND AKD(2)

AKD(1)
AKD(2)

SUMMARY OF DATA

PURPOSE

Aerial Outfits AKD (1) and (2) are used with Type 993 medium range sea/air warning radar.

BRIEF DESCRIPTION

Aerial Outfits AKD (1) and (2) are directional S-band transmitting and receiving aerials rotating at a constant speed of 24 rev/min. The aerials are not stabilised.

FREQUENCY RANGE

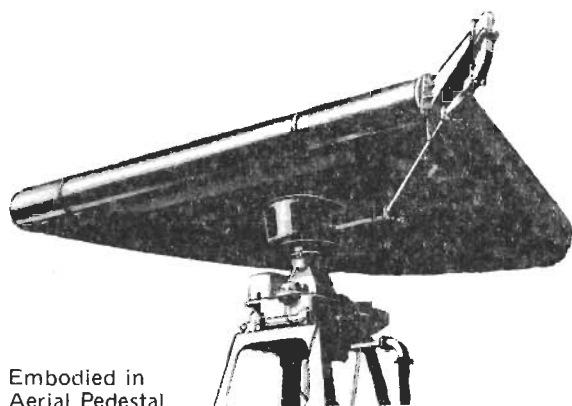
S-band frequency

BEAM WIDTH

Horizontal 2° (approximately)

MAJOR UNITS

	<u>AP No.</u>	<u>Description</u>	
AKD(1)	186207	Aerial Reflector	
	186208	Aerial Pedestal	
	186210	Rotary rf Coupler) Embodied in
	186209	Data Transmission Unit) Aerial Pedestal
	204026	Motor 2 hp	
	186365	Aerial Control Unit	
AKD(2)	186207	Aerial Reflector	
	5985-99-521-7108	Aerial Pedestal	
	186210	Rotary rf Coupler	
	5985-99-521-7107	Data Transmission Unit	
	204026	Motor 2 hp	
	186365	Aerial Control Unit	



PHYSICAL DATA

Total weight of Aerial Outfit on Masthead Platform	472 Kg	(1040 lb)
Aerial Reflector	159 Kg	(350 lb)
Aerial Pedestal	259 Kg	(570 lb)
Motor	45 Kg	(100 lb)
Overall height of Aerial Outfit	1.9 m	6 ft 3 in
Sweep circle radius of reflector	2.5 m	8 ft 1 in

POWER REQUIREMENTS

Aerial Training Motor	440 V 60 Hz 3 phase
Aerial Motor Brake	440 V 60 Hz 3 phase
Ship's Head Marker	24 V dc
Air Condition Unit	
AP 53177A	230 V 50 Hz single phase
W.8828A/B/C	(Motor 50 V 50 Hz 3 phase Heater 115 V dc)

ESTABLISHMENT LIST

E 1294

INSTALLATION SPECIFICATION

B 918

HANDBOOK

BR 2369