

AERIAL OUTFIT AKE(1)

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SUMMARY OF DATA

PURPOSE

Aerial Outfit AKE is used with Type 965 and 966 to provide long range air warning in small ships.

FREQUENCY RANGE

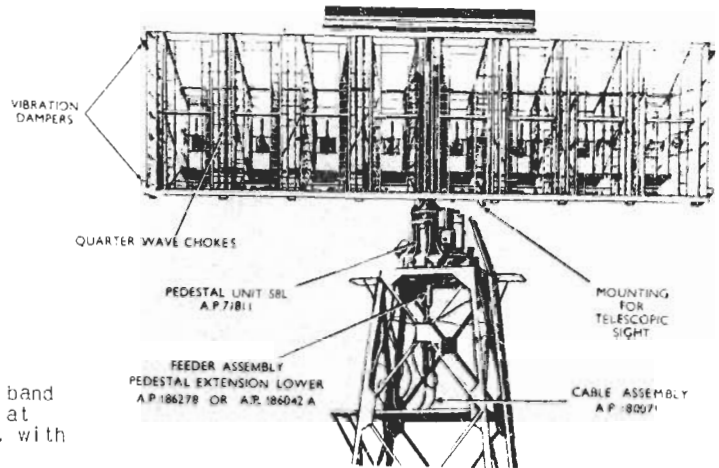
217 to 224 MHz

BEAM WIDTH

Horizontal -12° (approx.)

BRIEF DESCRIPTION

Aerial Outfit AKE is a directional metric band transmitting and receiver aerial. It is rotated at 10 r.p.m. using a 440 V, 60 Hz supply or 8 r.p.m. with 400 V 50 Hz. The aerial is not stabilised.



AERIAL OUTFIT AKE

MAJOR UNITS

AP No.	Description
718108	Aerial Array 78A
186042A	Feeder Assembly - Cablefeed to Aerial
186278	Pedestal Ext. lower - coaxial air spaced feed to Aerial
71811	Pedestal Unit, 58L

The I.F.F. Mk. 10 Aerial, AT-352/UPA-22A (MSA) is integral with Aerial Array 78A

PHYSICAL DATA

Total weight of Aerial Outfit including I.F.F. Mk. 10 Aerial - 2425 lb (approx.)
 Aerial Array 78A - 1430 lb
 Pedestal Unit 58L - 750 lb

Overall height of Aerial Outfit including I.F.F. Mk. 10, above ship's mast platform - 11 ft 7 in.
 Overall size of rotating Aerial Array - 26 ft wide, 8 ft 11 in high, 6 ft 1 in deep.

POWER REQUIREMENTS

- Aerial training motors : 440 V 60 Hz or 400 V 50 Hz
- Aerial motor brake : 440 V 60 Hz or 400 V 50 Hz 3 phase for motor AP 204039
1 phase for motor AP 204019
- Ship's Keel Marker : 50 V d.c.
- Air Conditioning Unit : 230 V 50 Hz or 440 V 60 Hz 3 phase

HANDBOOKS

- BR 1186
- US Navy Department, Bureau of Ships instruction 1B-739 (MSA) for I.F.F. Mk. 10 Aerial.

ESTABLISHMENT LIST

E 1230

INSTALLATION SPECIFICATION

B 889