AERIAL OUTFIT AKE(1)

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 234 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 240 V, 60 Hz supply or 3 r.p.m. with 450 V 50 Hz. The aerial is not stabilised.

MAJOR UNITS

<table>
<thead>
<tr>
<th>AR No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>T88370</td>
<td>Aerial Array TPA</td>
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<tr>
<td>T886424</td>
<td>Fitter Assembly - Cablofeed to Aerial</td>
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<tr>
<td>T891278</td>
<td>Physical External - Ominal Air Spaced Foot to Aerial</td>
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<tr>
<td>T8831</td>
<td>Pedestal Unit, 5G</td>
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The T.F.F. Mk. 10 Aerial, AR-352/GPA-224 [MSA] is integral with Aerial Array TPA.

PHYSICAL DATA

Total weight of Aerial Outfit including T.F.F. Mk. 10 Aerial - 240 Ib (approx.)
Aerial Array TPA - 1450 Ib
Pedestal Unit 5G - 750 Ib

Overall height of Aerial Outfit including T.F.F. Mk. 10, above ship’s mast platform - 11 ft 7 in.
Overall size of rotating Aerial Array - 24 ft wide, 6 ft 11 in high, 6 ft 1 in deep.

POWER REQUIREMENTS

Aerial training motor : 440 V 60 Hz or 440 V 50 Hz
Aerial motor brake : 440 V 60 Hz or 440 V 50 Hz 3 phase for motor AP 2D0230
Ship’s MROS Marker : 50 V d.c.
Air Conditioning unit : 230 V 50 Hz or 440 V 60 Hz 3 phase

HANDBOOKS

RH 1186
US Navy Department, Bureau of Ships instruction 1B-739 (MSE) for T.F.F. Mk. 10 Aerial.

ESTABLISHMENT LIST

E 1270

INSTALLATION SPECIFICATION

8 189

RESTRICTED