RESTRICTED

RADAR TYPE 992 R

SUMMARY OF DATA

PURPOSE
To provide target range and bearing information to weapon systems.

BRIEF DESCRIPTION
Radar Type 992 R is a high powered, 5-band medium range surveillance radar using solid state techniques and a parametric amplifier. The frequency band is covered by three interchangeable magnetrons. The equipment is fully interlocked and can be remotely controlled.

FREQUENCY
2000 - 3000 MHz

PULSE RECEPTION FREQUENCY
750, 950, 255 p/s

PULSE DURATION
2 µs Fixed

POWER OUTPUT
2.25 MW peak

INTERMEDIATE FREQUENCY
13.5 MHz

RECEIVER BANDWIDTH
600 kHz logarithmic

MAJOR UNITS
5840-99-507-9671 Cabinet, Modulator
5840-99-507-9672 Cabinet, Transmitter
5840-99-507-9673 Cabinet, Control
5840-99-507-9668 Frame, Electrical Equipment
5840-99-525-1774 Cabinet, Electrical Equipment Monitoring

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module: Transmitter Assembly</td>
<td>171.5 cm (67.5 in)</td>
<td>226.1 cm (89 in)</td>
<td>83.2 cm (32.75 in)</td>
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<tr>
<td>Cabinet, Transmitter Monitor</td>
<td>139.0 cm (54.75 in)</td>
<td>67.3 cm (26.5 in)</td>
<td>64.9 cm (25.5 in)</td>
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<tr>
<td>Cabinet, Receiver Monitor</td>
<td>170.2 cm (67 in)</td>
<td>27.9 cm (11 in)</td>
<td>82.5 cm (32.5 in)</td>
</tr>
</tbody>
</table>

* Rx Only

POWER REQUIREMENTS
640 V, 60 Hz, three phase, 15.6 kVA

COOLING
Air 17.0 m³/min (600 ft³/min) Chilled Water 591.0 l/h (130 gal/h)

ASSOCIATED AERIAL OUTFIT
ACNE-11 (3)

RESTRICTED
HANDBOOKS
- 1784 (1-5) series
- BR 2429 Receiver CEQ

ESTABLISHMENT LISTS
- 13836 9997R
- 13819 CEQ

INSTALLATION SPECIFICATION
- B 1340