

RADAR TYPE 992 R

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, S-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

2950 - 3050 MHz

PULSE REPETITION FREQUENCY

750, 500, 250 p/s

PULSE DURATION

2 μ s Fixed

POWER OUTPUT

2.25 MW peak

INTERMEDIATE FREQUENCY

13.5 MHz

RECEIVER BANDWIDTH

600 kHz logarithmic

MAJOR UNITS

<u>NSN</u>	<u>DESCRIPTION</u>
5840-99-527-9671	Cabinet, Modulator
5840-99-527-9672	Cabinet, Transmitter
5840-99-527-9673	Cabinet, Control
5840-99-527-9658	Frame, Electrical Equipment
5840-99-520-1774	Cabinet, Electrical Equipment Monitoring

PHYSICAL DATA

	Height	Width	Depth	Weight
Modulator-Transmitter Assembly	171.5 cm (67.5 in)	226.1 cm (89 in)	83.2 cm (32.75 in)	1587 kg 3500 lb
Cabinet, Transmitter Monitor) Cabinet, Receiver Monitor)	139.0 cm (54.75 in)	67.3 cm (26.5 in)	64.9 cm (25.5 in)	227 kg* (500 lb)
Cabinet Assembly Power Supply	170.2 cm (67 in)	27.9 cm (11 in)	82.5 cm (32.5 in)	
		* Rx Mon only		

POWER REQUIREMENTS

440 V, 60 Hz, three phase, 15.6 kVA

COOLING

Air	Chilled Water
17.0m ³ /min (600 ft ³ /min)	591.0 litre/h (130 gal/h)

ASSOCIATED AERIAL OUTFIT

ADN(1) (3)

BR 333(1)
Original

RESTRICTED

HANDBOOKS

BR 784 (1 - 5) series
BR 2429 Receiver CEQ

ESTABLISHMENT LISTS

S1836 992R
S1519 CEQ

INSTALLATION SPECIFICATION

B 1340