

JRC MARINE MICRO RADAR

3cm, 1.5ft, 2kW, 7in, 24nm

RADAR 2000

When Your ship Comes IN...
Make Sure It Has
The JRC Radar System!



- JOG DIAL (J-DIAL)
Easy operation for VRM/EBL/SEA/RAIN/
GAIN/TUNE.
- JOY STICK (J-STICK)
Easy operation for MENU.
- Cursor
Easy to use cursor for determining
precise reading.
- Off Center
2/3 radius Off-Centering for any direction.

The Radar 2000 is a compact 24mile radar with a 1.5-foot radome scanner, 2kW transmitter and 7-inch high resolution monochrome CRT display. Easy operation is provided by the unique j-dial and j-stick. The dual VRM, dual EBL, off-center, guard zone alarm and cursor with L/L are a great help for your navigation. Three languages (English, Spanish and Norwegian) are programmed and selectable via a menu prompt.

FEATURES

- Compact and light weight scanner unit with 2kW transmitter.
- Improved fundamental performance and clutter suppression performance (rain, snow, and sea clutter).
- Easy control of VRM, EBL, GAIN, anti-sea and anti-rain using J-DIAL.
- Approach and Departure Guard Zone with audible alarm.
- Solid aluminum construction.
- Easy to understand other target information for range, bearing and Latitude/Longitude with the cursor.*
- 2/3 radius off-center in any direction.
- Trail indication.
- Man-Overboard indication.*
- Intermittent transmission.
- Multi-language (English, Spanish and Norwegian)

*This requires data in the NMEA 0183 sentence.

SPECIFICATION

SCANNER UNIT

Radome type	1.5' Diameter
Antenna beam width	Horizontal 6°, Vertical 25°
Rotation speed	Approx.24rpm
Transmitting Frequency	9445 MHz ±30MHz
Peak Power	2kW
Pulse width/PRF	0.08us/2250 Hz, 0.35us/1500 Hz, 0.7us/750 Hz
IF bandwidth	10MHz/3MHz

Display presentation mode	Head-up, North-up, Course-up
Range scales	1/8, 1/4, 1/2, 3/4, 1.5, 3, 6, 12, 24nm
Range rings	1/16, 1/8, 1/4, 1/4, 1/4, 1/2, 1, 2, 4nm
Minimum range	35m
Range discrimination	25m
Range ring accuracy	0.9% of range in use or 8m whichever is greater
Bearing accuracy	±1°
Power input	12/24/32VDC, less than 40W

DISPLAY UNIT

Display	7" monochrome CRT
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COMPONENTS

Description	Model No. or Code No.
RADAR 2000 system	JMA-1521
Scanner Unit	NKE-1044A
Display Unit	NCD-3845
Sun Shield	MTV301854A
Inter-unit Cable (10m)	CFQ-8871-10
Power Cable (2m)	CFQ2646
Instruction Manual	7ZPRD0473
Standard Spares	6ZXRD00181
Sun Cover	MTV302115
Scanner Mounting Hardware	MPTG02246
Tube & Seal Washer	MPXP31278
Display Mounting Hardware	MPTG02024

CONNECTION DIAGRAM

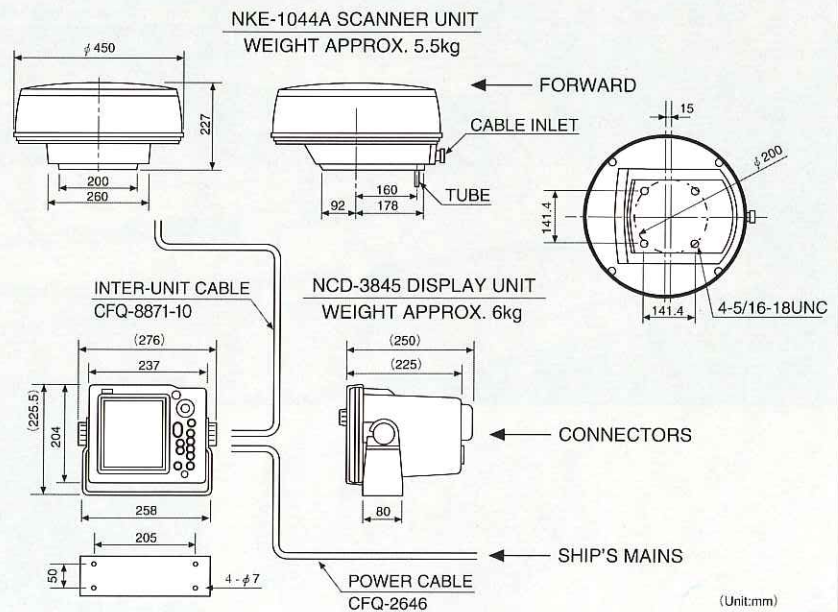


1. The distance between units

Scanner to Display Unit	Standard	Maximum
	10m	20m

Maximum allowable distance within the specified radar performance is guaranteed.

2. The Inter-Unit cable should not run in parallel with the cable for any other radio equipment; otherwise, the radar could give interference to the radio equipment.



● Specifications subject to change without notice. For further information, contact:

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20EM

ISO9001, ISO14001 Certified