

JRC MARINE RADAR

JMA-2343/2344



Scanner (2ft) for JMA-2343



Scanner (3.9ft) for JMA-2344

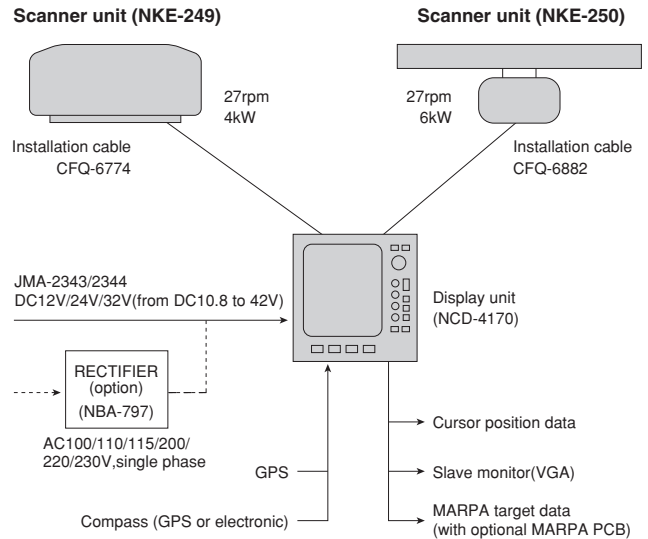


- Latest digital signal processing for target detection.
- 4kW transmitting output power for JMA-2343, and 6kW for JMA-2344.
- NMEA 0183 RSD for cursor position data output.
- Optional MARPA function.
- Easy operation with soft key switch.

COMPOSITION

JMA-2343/2344		
Model name	JMA-2343 (Radome)	JMA-2344 (Open Array)
Input power	DC12V, DC24V, DC32V (Range : From DC10.8V to 42V)	
Scanner unit	NKE-249	NKE-250
Display unit	NCD-4170	
Installation cable (10m/15m/20m)	CFQ-6774-** ** : 10 (for 10m) : 15 (for 15m;Standard) : 20 (for 20m)	CFQ-6882-** ** : 10 (for 10m) : 15 (for 15m;Standard) : 20 (for 20m)
Rectifier for AC input (option)	NBA-797	

CONNECTION DIAGRAM



SPECIFICATIONS

Scanner unit (NKE-249 ; Radome)

- Dimensions Height: 275mm(11"), Diameter of radome: 620mm(24.8")
- Mass Approx. 10.5kg
- Polarization Horizontal
- Beam width
 - Horizontal (-3dB) 4°
 - Vertical(-3dB) 25°
 - Side lobe level Less than -21dB within 10° of main beam
- Rotation speed Approx. 27 rpm
- Frequency 9410±30 MHz
- Peak power 4kW.
- Pulse length/repetition frequency
 - 0.08μs/2250 Hz: 0.125, 0.25, 0.5, 0.75, 1.5nm(S)
 - 0.25μs/1700 Hz: 1.5nm(L), 3nm(S)
 - 0.5μs/1200Hz: 3nm(L), 6nm(S)
 - 1.0μs/650Hz: 6nm(L), 12nm, 24nm, 36nm, 48nm (S: Short, L: Long)

Scanner unit (NKE-250 ; Open Array)

- Dimensions Height: 17.3inches, Swing circle: 48.8inches
- Mass Approx. 52.86pounds
- Polarization Horizontal
- Beam width
 - Horizontal (-3dB) 2°
 - Vertical(-3dB) 30°
 - Side lobe level Less than -23dB within 10° of main beam
Other than -26dB within 10° of main beam
- Rotation speed NKE-250: Approx. 27 rpm
- Frequency 9410±30 MHz
- Peak power 6kW.
- Pulse length/repetition frequency
 - 0.08μs/2250 Hz : 0.125, 0.25, 0.5, 0.75, 1.5nm(S)
 - 0.25μs/1700 Hz: 1.5nm(L), 3nm(S)
 - 0.5μs/1200Hz: 3nm(L), 6nm(S)
 - 1.0μs/650Hz: 6nm(L), 12nm, 24nm, 36nm, 48nm, 64nm (S: Short, L: Long)

Display unit (NCD-4170)

- Display Unit 10-inch square CRT
- Dimensions
 - Width : 278mm(10.9") — without mounting yoke
 - Height : 242mm(9.5")
 - Depth : 289mm (11.4") — without sunshield
 - Approx. 9kg
 - Table mounting.
- Mounting
- Range scale/rings
 - 0.125nm/0.065nm, 0.25nm/0.125nm, 0.5nm/0.1nm, 0.75nm/0.25nm, 1.5nm/0.5nm, 3nm/0.5nm, 6nm/1nm, 12nm/2nm, 24nm/4nm, 36nm/6nm, 48nm/8nm, 64nm/16nm (when JMA-2344 / JMA-2344HS)
- Input from external device NMEA0183(GGA,RMA,RMC, GLL,RMB,BWC,VTG, VHW,HDT,HDM,HDG, GLC, GTD)
- Output to external device NMEA0183(RSD)
SUB monitor (Vertical / Horizontal synchronous signal, video signal)
- Power supply
 - <JMA-2343/JMA-2344>
 - From DC 10.8 to 42V
 - <JMA-2343>
 - Approx. 50W
 - <JMA-2344>
 - Approx. 60W

● Specifications may be subject to change without notice.

For further information, contact:



Since 1915

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