

# 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)	CPQ-6774- $\Phi\Phi$ $\Phi\Phi$ : 10 (for 10m) : 15 (for 15m/Standard) : 20 (for 20m)	CPQ-6882- $\Phi\Phi$ $\Phi\Phi$ : 10 (for 10m) : 15 (for 15m/Standard) : 20 (for 20m)
Rectifier for AC input (option)	NBA-797	

## SPECIFICATIONS

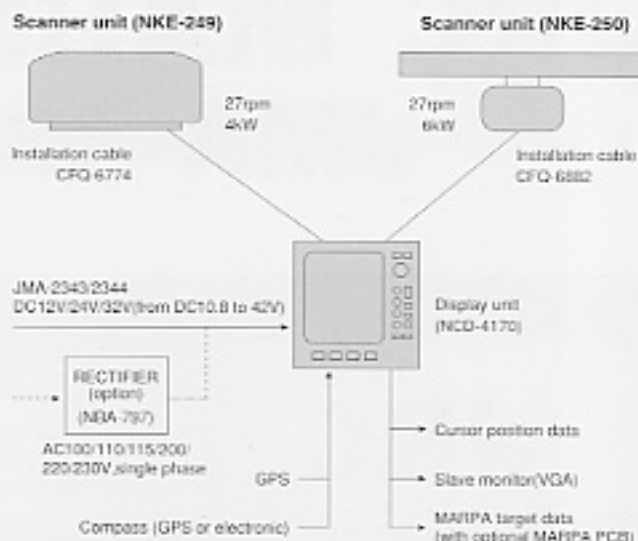
## Scanner unit ( NKE-249 ; Radome )

- 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
  - 0.05µs/2250 Hz: 0.125, 0.25, 0.5, 0.75, 1.5ms(S)
  - 0.25µs/1700 Hz: 1.5ms(L), 3ms(S)
  - 0.5µs/1200 Hz: 3ms(L), 6ms(S)
  - 1.0µs/650 Hz: 6ms(L), 12ms, 24ms, 36ms, 48ms (S: Short, L: Long)

## Scanner unit ( NKE-250 ; Open Array )

- Dimensions Height: 17.3inches, Swing circle: 18.8inches
- Mass Approx. 52.8pounds
- Polarization Horizontal
- Beam width
  - Horizontal (-3dB) 2°
  - Vertical (-3dB) 30°
  - Side lobe level Less than -25dB 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
  - 0.05µs/2250 Hz: 0.125, 0.25, 0.5, 0.75, 1.5ms(S)
  - 0.25µs/1700 Hz: 1.5ms(L), 3ms(S)
  - 0.5µs/1200 Hz: 3ms(L), 6ms(S)
  - 1.0µs/650 Hz: 6ms(L), 12ms, 24ms, 36ms, 48ms, 60ms (S: Short, L: Long)

## CONNECTION DIAGRAM



## Display unit ( NCD-4170 )

- Display Unit 16-inch square CRT
- Dimensions
  - Width : 275mm(10.8") - without mounting yoke
  - Height : 242mm(9.5")
  - Depth : 280mm(11.1") - without sunshield
- Mass Approx. 9kg
- Mounting Table mounting
- Range scale/rings
  - 0.125mm/0.0625mm, 0.25mm/0.125mm, 0.5mm/0.25mm, 0.75mm/0.375mm, 1.5mm/0.75mm, 3mm/1.5mm, 6mm/3mm, 12mm/6mm, 24mm/12mm, 36mm/18mm, 48mm/24mm, 60mm/30mm
- Input from external device NME-A0183GGG, KMA, RMC, GLL, RME, BWC, VTG, V1W, JHT, JDM, HDG, GJC, GTD
- Output to external device NME-A0183RSD
- Power supply 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

For further information, contact:



Since 1915

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