



VTS RADAR

JPL-600ER SERIES

JRC JPL-600ER series Radar is developed/ designed to comply with radar ATA/ARPA performance standards specified by IALA V-128, and has enhancement of the radar performance, user friendly operation and visibility.

Performance Features:

- ◆ Compliance with IMO specification
- ◆ SXGA LCD (NWZ-167) or PC Monitor
- ◆ Easy Operation with trackball
- ◆ Chart overlay with ERC/C-Map
- ◆ ARPA (Automatic Radar Plotting Aid)
- ◆ RADAR Alarm by Polygon Area
- ◆ Distance Measurement
- ◆ Azimuth Sector Blanking
- ◆ ARPA (Automatic RADAR Plotting Aid) - Option
- ◆ AIS Integrated Display - Option



Processor Unit



AIS Base Station (Option)



Japan Radio Co., Ltd.

**JPL-600ER
Radar Display
Image**



JPL-600ER Series RADAR Specifications

Model		JPL-600ER1-6	JPL-600ER2-7	JPL-600ER2-9
Display Format		Raster Scan PPI Format		
Range Scale		0.125 / 0.25 / 0.5 / 0.75 / 1.5 / 3 / 6 / 12 / 24 / 48 / 96nm		
Scanner	Model	NKE-600F1T	NKE-600E1T	NKE-600D1T
	Antenna Length	6-feet	7-feet	9-feet
	Transmitting Power	10kW	25kW	
	Transmitting Frequency	9410 ± 30MHz		
	Beam Width (-3dB width)	H : 1.2°, V : 20°	H : 1.0°, V : 20°	H : 0.8°, V : 20°
	Rotation Speed	Approx 27rpm		Approx 24 rpm
	Pulse Width	0.08 μs / 2250Hz, 0.25 μs / 1700Hz, 0.5 μs / 1200Hz, 0.8 μs / 750Hz, 1.0 μs / 650Hz	0.07 μs / 2200Hz, 0.2 μs / 2200Hz, 0.4 μs / 1400Hz, 0.8 μs / 750Hz, 1.0 μs / 650Hz, 1.2 μs / 510Hz	
	Transmitter/ Receiver Switching	Circulator + Diode Limiter		
	Frequency Conversion	Microwave IC (Mic)		
	Tuning	Automatic		
Environment		Temperature : -25~+55°C, Humidity : 93% @ +40°C		
Control Unit NCM-836	Processing Unit	Model	NDC-1376	
		Screen Display	North-up / Head-up	
		Motion Mode	True Motion	
		EBL	2-Lines/Bearing : 000.0-359.9° (4-digit)	
		VRM	2-markers/Scale : 0.000-96.0NM (4-digit)	
	Echo Trails	off / 15sec. / 30 sec. / 1min. / 3min. / 6min. / 10min. / 15min. / 30min. / 60min. / continuous		
	MAP Display	JRC/ERC/C-MAP NT+		
Keyboard Unit	Model	NCE-5085		
	Installation Cable	5m (between the Processor and the Keyboard Unit)		
LCD Monitor	Model	NWZ-167		
	Display Size	18.1inches		
	Resolution	Color 1280x1024 dot (SXGA)		
	Effective Diameter	250mm (with PPI Mask)		
Installation Cable		5m (between the Processor and the Display Unit)		
Environment		Temperature : -15~+55°C, Humidity : 93% @ +40°C, Water-Proof : IPX2		
Installation Cable		CFQ-6912-20 (Standard 20m)		
Input Voltage (Voltage range)		DC24V (DC21.6~31.2V)		
Power Consumption		Average 150W, Maximum 300W	Average 200W, Maximum 400W	
Option	NSK Unit	NCT-76 (built-in Processor Unit)		
	ARPA Unit-Professional version (100 targets)	NCA-891 (built-in Processor Unit)		
	Performance Monitor	NJU-82		
	AIS Interface Unit	NQA-2200 (built-in Processor Unit)		
	Plotting Function Unit	NDB-35 (built-in Processor Unit)		
	AC Rectifier	NBA-3308 (AC100 / 110 / 115 / 200 / 220 / 230V)		

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