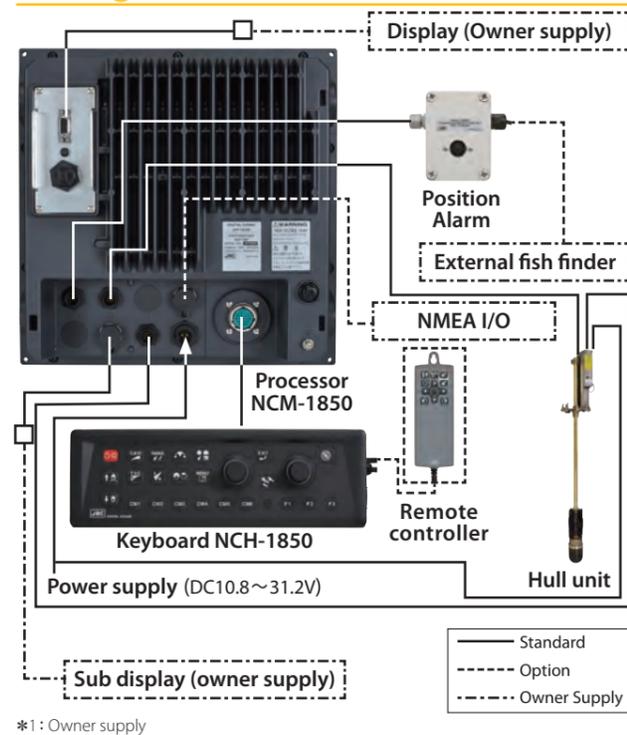


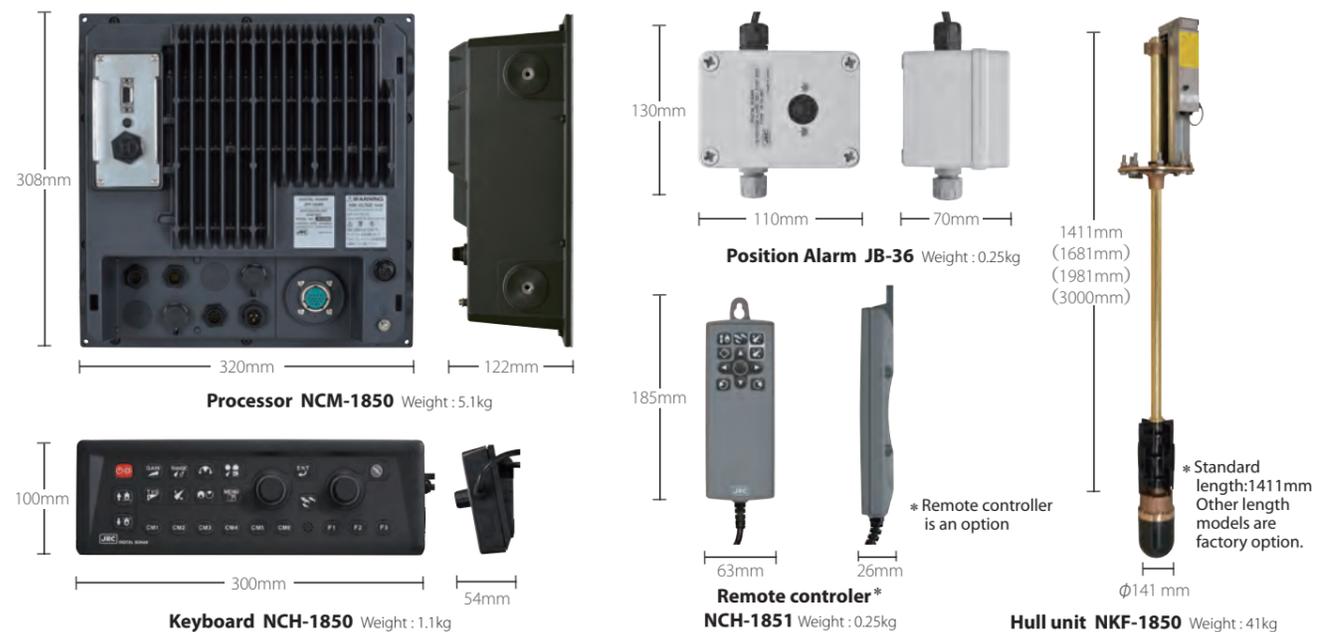
Specifications

Model	JFP-185BB											
Output power (RMS)	1.5kW											
Frequency band	130kHz to 210kHz											
Tilt angle	-90° to +5° (1° step)											
Beam width	8° to 12°											
Hoist stroke	150 to 380mm (150mm recommended)											
Display type	Owner supply (VGA compatible output through RGB connector)											
Detect range	10 to 1000m, 10 to 700Lfm (selectable from 8 preset position)											
Range unit	m, ft, fm, Lfm											
Sector angle	Sonar mode (extracts)	5° step: 5°, 25°, 45°, 85°, 125°, 165°, 205°, 360°										
		10° step: 10°, 30°, 50°, 90°, 130°, 170°, 210°, 360°										
		15° step: 15°, 45°, 75°, 105°, 135°, 165°, 225°, 360°										
		20° step: 20°, 60°, 100°, 140°, 180°, 220°, 260°, 360°										
Sector angle	Side scan mode	3° step: 3°, 27°, 45°, 63°, 93°, 17°, 147°, 177°										
		5° step: 5°, 25°, 45°, 65°, 95°, 115°, 145°, 175°										
(extracts)	360° scanning time Range (m)	20	40	60	80	100	120	160	180	200	240	400
	time (sec) 5°step	6.3	8	10	11.8	14	15.8	19.5	21.6	23.5	27.5	43.3
	time (sec) 10°step	3.7	4.7	5.6	6.5	7.6	8.6	10.6	11.5	12.5	14.4	22.4
	time (sec) 15°step	3.3	3.7	4.3	4.9	5.7	6.4	7.9	8.3	8.9	10.3	15.7
	time (sec) 20°step	3.3	3.4	3.8	4.2	4.8	5.2	6.4	6.6	7.3	8.1	12.2
Bearing center	1° step											
Display mode	Sonar, Off-center, Bottom scan, Echo sounder											
Off center	Fore, Back, Left, Right											
Target lock	Reverse, Horizontal, Horizontal + Vertical, Maker + Horizontal, Maker + Vertical											
Colors	8 colors, 16 colors											
Functions	TVG, Color rejection, Dynamic range, Compass display, Pulse width, Output power control, Noise rejection, A-scope, CM key, Frequency bandwidth, Image correction, Bearing display, TD auto up											
Language	English, Japanese, Korean, Spanish, Thai, Traditional Chinese, Vietnamese											
Input data format and sentences	NMEA0183: GGA, GLL, HDG, HDM, HDT, RMC, VTG, ZDA											
Output data format and sentences	NMEA0183: DBT, DPT, GGA, GLL, MTW, RMC, TLL, VTG, ZDA											
NMEA ports	1: input / output											
Power supply	Processor: 10.8 to 31.2V DC, Hull unit: 10.8 to 31.2V DC											
Power consumption	Processor: 70W or less (24V DC), Hull unit: 70W or less (24V DC)*1											
Environmental condition	Operating temperature: -15 to +55°C											

Configuration



Dimensions



• Specifications may be subject to change without notice.

For further information, contact:

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32EM ISO9001, ISO14001 Certified
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Searchlight Sonar JFP-185BB



Flexible frequency selection to give you better potential for a more profitable catch

- Digital signal processing for optimized short and long range detection
- Multiple display modes available to fit various fishing scenes
- Connect your own display (VGA resolution)
- Backlit icon-based keyboard supports intuitive operation
- Switch instantly between functions through six preset memory keys

JRC Japan Radio Co., Ltd.

Advanced technology

The JFP-185 searchlight sonar uses a wide band transducer. The most suitable output frequency in a band from 130 to 210 kHz can be selected in 0.1 kHz steps, depending on the fishing method and the target species in various depths. The flexible selection of frequencies also enables the fishing vessel to operate at a different frequency than those of surrounding vessels.

- Black box design
- Multiple display modes
- Space saving hoist unit
- Easy operation
- Data transfer by USB
- Enhanced presentation modes
- Selectable frequencies
- Advanced keyboard
- Remarkable scanning speed
- Primary/secondary display (VGA output)



Black box configuration

The searchlight sonar consists of a compact processor, dedicated keyboard and high performance transducer, allowing for a flexible installation approach in confined spaces. You can choose your own display, as long as it supports VGA.



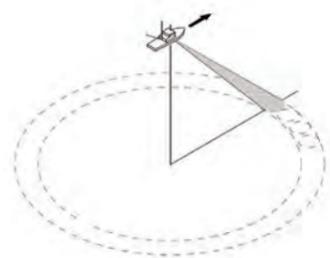
Optimum tilting

The center of the beam can be set in 1-degree increments from 5 degrees from the horizontal, to 90 degrees from the sea surface. The transducers ultra sonic beam sweeps a specific sector and bearing. When pointing straight down, the beam will give a high definition picture of the sea floor. As the beam moves from the perpendicular to the horizontal, bottom definition reduces and fish detection improves.

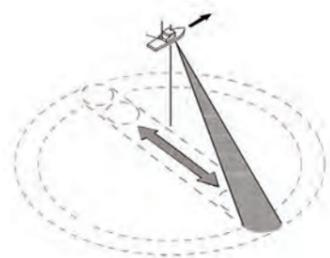
Various display modes

The sonar integrates multiple display modes, facilitating a valuable working environment by illuminating the underwater scene with a beam of sonic energy rotating through 360 degrees. The JFP-185 provides a range of display modes to suit the search task.

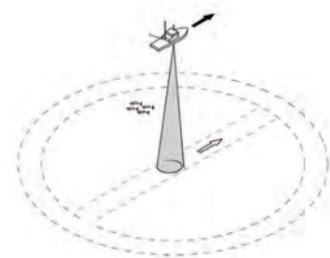
Sonar



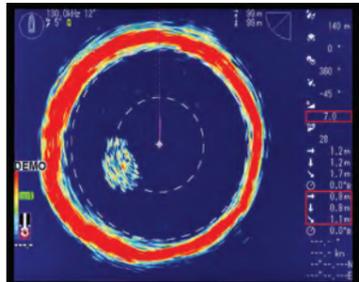
Bottom scan



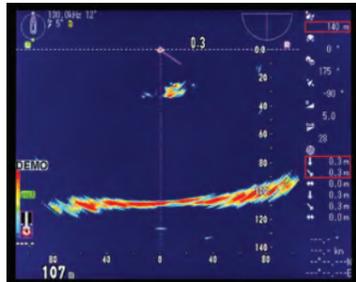
Echo sounder



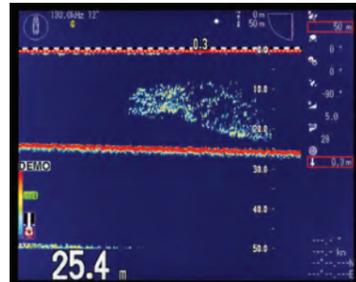
Searching around the vessel



Reflected echo from seabed



Displaying image as fishfinder



User friendly keyboard

With the icon based keyboard operation full control of the searchlight sonar is made easy. The onetouch menu keys are conveniently backlit and are highlighted with the green color once selected, making operation extremely useful in low light settings.



In the box

- Hull unit (transducer)
- Processor
- Keyboard
- Position alarm
- Cables
- Installations materials
- Manuals (English)

Accessories

- Remote control
- Tanks (PVC, FRP)
- Shaft guide (FRP)
- Power supply
- Junction box
- Display

Tech Specs

Output power	1.5 kW
Out frequency	130 to 210 kHz (0.1 kHz steps)
Tilt angle	-90° to 5° (1° steps)
Beam angle	8° to 12°
Display output	VGA (640 by 480 pixels)
NMEA ports	1 input/output
Power supply	10.8 to 31.2V DC
Power consumption	70W or less