JFP-180BB Searchlight sonar
– specifications

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>JFP-180BB</th>
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<tbody>
<tr>
<td><strong>Sonar type</strong></td>
<td>searchlight sonar</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>180 kHz</td>
</tr>
<tr>
<td><strong>Range</strong></td>
<td>20 to 2000 m (8 selectable ranges: 12 to 1600 br/fm and 80 to 6000 ft)</td>
</tr>
<tr>
<td><strong>Sonar mode (angle)</strong></td>
<td>5˚, 25˚, 45˚, 85˚, 125˚, 165˚, 205˚, 360˚ (5˚ step)</td>
</tr>
<tr>
<td><strong>Bottom-scan mode (angle)</strong></td>
<td>3˚, 27˚, 45˚, 63˚, 93˚, 117˚, 147˚, 177˚ (3˚ step)</td>
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<tr>
<td><strong>Bearing center</strong></td>
<td>5˚ step</td>
</tr>
<tr>
<td><strong>Tilt angle</strong></td>
<td>-90˚ to +5˚ (1˚ step)</td>
</tr>
<tr>
<td><strong>Display modes</strong></td>
<td>sonar mode, off -center mode, bottom-scan mode, sounder mode</td>
</tr>
<tr>
<td><strong>Data display</strong></td>
<td>range, range scale, tilt angle, tilt angle diagram, sector angle display, bearing angle, interference reduction, ring marker (historical distance, slant distance, depth), cross cursor (bearing, historical distance, slant distance, depth), cross cursor (bearing, historical distance, slant distance, depth)</td>
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<tr>
<td><strong>Inputs</strong></td>
<td>NMEA0183 (GLL, GGA, VTG), trigger signal, remote controller</td>
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<tr>
<td><strong>Outputs</strong></td>
<td>Latitude/longitude for target, VGA, trigger signal, audio</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>DC 20-30V, 24W</td>
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**Dimensions**

- **Display (NWZ-146)**: Width 395 mm, Height 298 mm, Depth 215 mm
- **Display (NWZ-164)**: Width 551 mm, Height 346 mm, Depth 284 mm
- **Keyboard (NCH-607E)**: Width 290 mm, Height 135 mm, Depth 250 mm
- **Processor (NJC-29E)**: Width 346 mm, Height 203 mm, Depth 135 mm
- **Hull unit (NKF-900-002)**: Width 124 mm, Height 185 mm, Depth 381 mm

**Miscellaneous**

- **Optional items**
  - 10.4" display (LCD) NWZ-146: MASS 2.8 kg
  - 15" display (LCD) NWZ-164: MASS 3.7 kg
  - Trunk pipe (PVC) BRBX05030: Length 395 mm, Diameter 76 mm
  - Trunk pipe (FRP) BRBX05037: Length 395 mm, Diameter 76 mm
  - External speaker (4Ω) 6USFD00010: MASS 1.6 kg
  - Remote controller (with cable) NCH-606: Length 395 mm, Diameter 76 mm
  - Remote controller terminal CQD-2145 (built-in NJC-29E, package order with NCH-606): Length 142 mm, Diameter 76 mm
  - NAV-IN terminal CQD-2144: Length 142 mm, Diameter 76 mm
  - Trigger input terminal CQD-2143 (built-in NJC-29E, synchronised TB for fish finder): Length 142 mm, Diameter 76 mm
  - Protective cover for processor (IPX2) BRBX05381 (desk of floor mount): Length 142 mm, Diameter 76 mm

Specifications may be subject to change without notice.

For further information, contact:

**Japan Radio Co., Ltd.**

http://www.jrc.co.jp/ja/

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- &.
- ISO9001 Certified

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JFP-180BB Searchlight sonar – shows fish and bottom structure clearly on-screen

Unique features
- The JFP-180BB new and compactly designed searchlight sonar integrates multiple display modes, which will allow you to control your presentation at your own convenience.

Suits your moment in time
JRC's new JFP-180BB searchlight sonar is black box configured as standard, allowing you to select a preferred display size suiting your vessel. JRC's displays uniformly incorporate a high brightness LCD display, available in 10.4- or 15-inch, ideal for installations on (relative) small commercial fishing vessels. It also integrates a dedicated one-touch day/night key, which provides suitable brightness LCD display, available in 10.4- or 15-inch, ideal for installations on (relative) small commercial fishing vessels.

Multiple display modes
The sonar integrates multiple display modes, facilitating a valuable working environment. The new JRC searchlight sonar illuminates the underwater scene with a beam of sonic energy, rotating through 360 degrees.

Simple and precise operation
The new searchlight sonar allows you to carry out all operations simply by using the keyboard. The layout has a full complement of keys, including direct tilting, host control, and special one-touch menu keys to access different scanning modes on screen. This makes it easy to navigate through all common used tasks.

Multiple display modes
The sonar integrates multiple display modes, facilitating a valuable working environment. The new JRC searchlight sonar illuminates the underwater scene with a beam of sonic energy, rotating through 360 degrees.

JRC StarNetwork™
JRC has been providing sales and support of products since 1915. Today, JRC offers comprehensive assistance through its organisation, in partnership with a worldwide StarNetwork™ of over 270 fully trained and qualified partners and agents, assisting you 24 hours a day, 7 days a week and 365 days a year.

Optimum tilting
The centre of the beam can be set in 1 degree increments from 5 degrees from the horizontal, to 90 degrees from the sea bottom. The transducer's 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, the bottom definition reduces and fish detection improves.

What's standard in the box?

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<tr>
<td>15 m</td>
<td>5 m</td>
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<td>5 m</td>
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<tr>
<td>Hull transducer</td>
<td>Monitor</td>
<td>Processo</td>
<td>Power supply</td>
<td>Keyboard</td>
<td>Processo</td>
<td>Power supply</td>
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