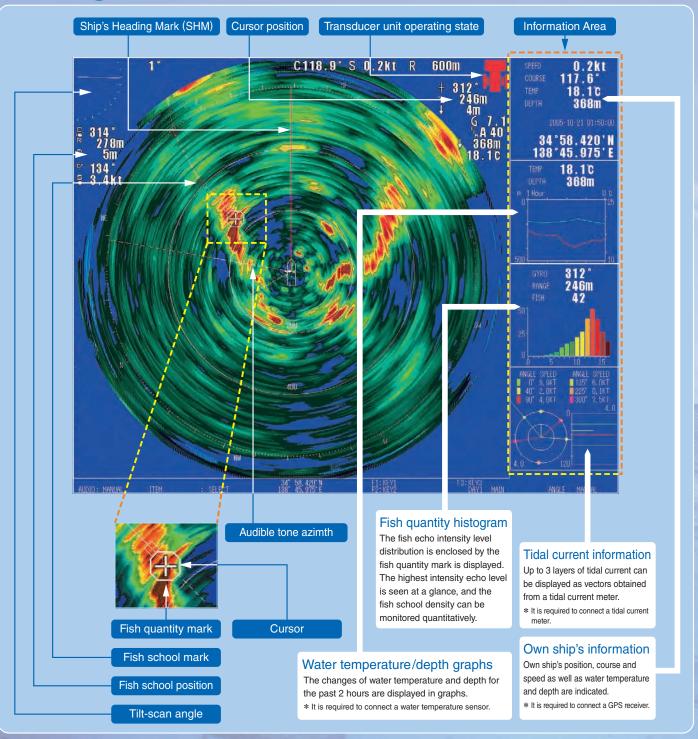


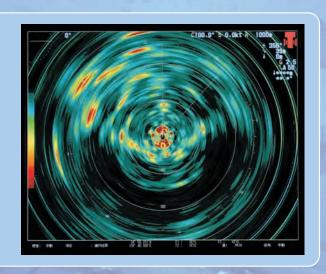
A Target Fish School Clear At a Glance!!



A Variety of Display Modes

A variety of display modes including "full-screen mode" and "off-centering mode" are available. The numerical data indications are minimized and the sonar echo images are maximized in order to monitor fish echoes accurately.

In addition, the special image displays such as "Cross-section image" or "fish finder echo image" combined displays are also available to ensure a target fish echo position and density to be easily determined.



Power/Dimmer Control

These switches are used to change over the power ON/OFF and the lighting levels.

Press the POWER switch once to power on.

Press the POWER and PANEL switches

simultaneously for one second or more to power off. The panel lighting level can be adjusted in 5 steps whenever the PANEL switch is pressed.

Image Dial

The 100% performance of the sonar can be demonstrated by setting the transceiver and the signal processor to appropriate parameters to meet the fishing operating conditions such as fish types, fishing area and sea state. 5 sets of setting parameters that are stored in the internal memory can be set by press this control dial and the parameters such as TVG, clutter and beam width can be finely adjusted by turning the dial.

Multi-Control Dial

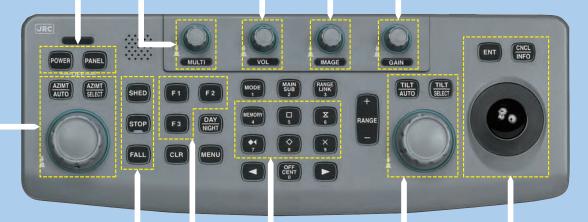
This dial can be used for setting any of the menu items that are indicated in the menu display. Arbitrary functions can also be assigned to the dial control modes like the user function keys.

Volume Dial

This dial can be used to control the audible tone volume. The alarm buzzer tone is changed over in 5 volume levels by press the control dial.

Gain Dial

Gain can be controlled by this dial.



Mark Input/Memory Screen

The mark keys are used to input marks for point of casting net, buoy and fish school.

The current display can be stored in the internal memory by press the MEMORY key.

User Keys

The function keys F1~F3 are assigned to arbitrary functions specified by a user.

Transducer Operation

The transducer can be fall from the hull bottom by press the **FALL** key, and shedded in the hull bottom inside by press the **SHED** key.

Azimuth Control

The audible tone azimuth can by changed by controlling this dial.

Cursor Control

The dial can control the cursor move and the menu setting.

The information display area can be displayed or cleared by the CNCL/INFO key.

Tilt-scan Angle Control

The tilt-scan angle of the transducer can be controlled by turning the dial.

The tilt-scan angle control mode can alternately switch Automatic and Manual by pressing the TILT AUTO key.

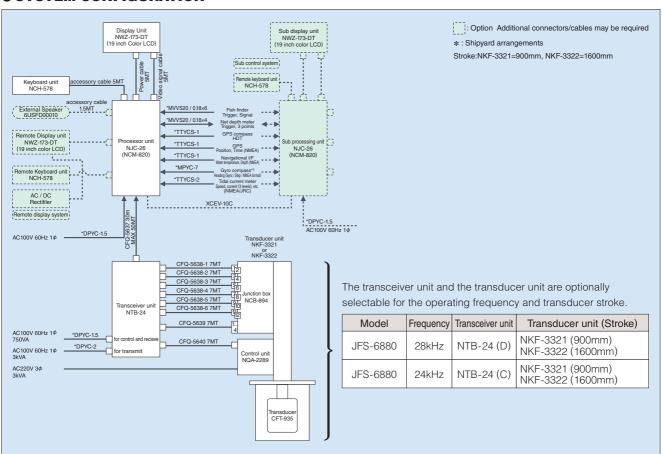
COMPOSITION

	Component	JFS-6880 (28kHz) standard	JFS-6880 (24kHz)	
Display Unit		NWZ-173-DT		
Processor Unit		NJC-26		
Keyboard Unit		NCH-578		
Transceiver Unit		NTB-24 (D)	NTB-24 (C)	
Transducer Unit		NKF-3321 (900mm) NKF-3322 (1600mm)	NKF-3321 (900mm) NKF-3322 (1600mm)	
Spares for Processor		7ZXBS0022		
Spares for Transceiver		6ZXBS00155		
Connection Cable		CFQ-5637 (30M), CFQ-5638-1~CFQ-5638-6 (7M), CFQ-5639 (7M), CFQ-5640 (7M) NORMAL		
Op	Step-down Transformer	NBL-177 (three-phase 440V→220V) NBL-175 (single-phase 220V→100V) CBC3000D 115V (single phase 115V→100V)		
Options	Audible tone Speaker	6USFD00010 (4Ω 2W)		
S	NSK Unit	CMJ-304E		
	Operation Unit Fitting Kit	MPXP33144		

SPECIFICATIONS

Diaplay type	10 inch color TET LCD with 1990 v 1094 pivola (SVCA)	
Display type	19-inch color TFT LCD with 1280 x 1024 pixels (SXGA)	
Operating frequency	24kHz or 28kHz	
Horizontal detection range	360° full-circle electronic scanning	
Tilt-scan range	Electronic tilting of -5° to +60°; automatic / manual	
Display colors	Echo images in 32 colors (Settable by user)	
Sonar range	150 to 3200m (24 / 28kHz)	
Transmitted pulse length	5 – 36ms (24 / 28kHz)	
Display modes	1) Normal 2) Full-screen 3) Off-center 4) Audible tone image combined 5) Fish finder image combined	
Interference rejection	Included	
Clutter rejection	Included	
Transmitted power reduction	Included	
Fish school alarm	Included	
Automatic tracking	Included	
Numerical indications	Range, Gain, tilt-scan angle, cursor position, ship's position, speed and course, water depth and temperature	
Audible tone	Automatic / manual turning; 1kH, 2W (external speaker output)	
External inputs	Gyro compass (sync / step / NMEA format) 2) Speed log (Pulse / NMEA format) Tidal current meter (NMEA / JRC format) 4) GPS position data (NMEA format) 5) Fish finder 6) Net depth meter	
Power supply	100VAC, single-phase, 50 / 60Hz : 750VA or less (option is not included) 220VAC, single-phase, 50 / 60Hz : 3kVA or less 220VAC, three-phase, 50 / 60Hz : 3kVA or less	

SYSTEM CONFIGURATION



OMNI COLOR SCANNING SONAR JFS-6880 SERIES

Simple Operation and High Performance for a Superior Fish Catch!!

The JFS-6880 series is a new high performance omni color scanning sonar based on advanced signal processing and an ergonomically designed interface for simple operation. The JFS-6880 series sonar meets a wide range of fish operations for offshore/inshore netting, inshore troll, bonito and mackerel pike fishing vessels

NWZ-173-DT Display Unit





NJC-26 Processor Unit

Easy to See Large Screen with High Resolution

The Display Unit adopts a 19-inch color LCD monitor with a high resolution of 1280 x 1024 pixels (SXGA) which is supported by advanced signal processing technology. The screen provides clear, definitive images with a high resolution, whether in short or long distance.

32-color Display for Easy Understanding of Fish Density

The fish echo image is displayed in 32 colors to ensure that the fish school distribution and density are easy to understanding.

Easy-to-operate Panel Layout and Convenient User Key operation

The keys and control dials are functionally grouped and arranged for intuitive operation. The commonly used functions and menu items are stored in memory and can be assigned by one-touch operation of three user keys and multi-functional control dials.

Fish Echo Dial Control for Quick Setting for Fishing Operations

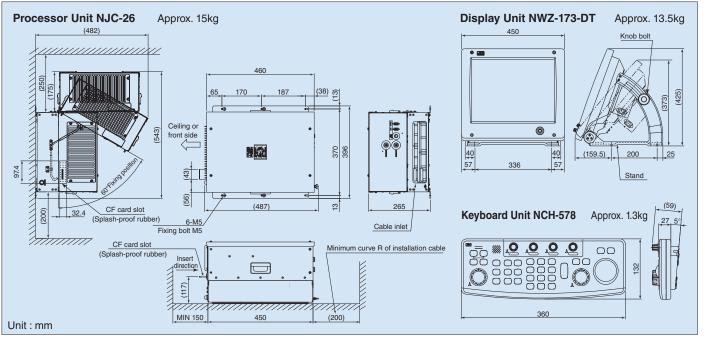
The fish echo dial can store five sets of various parameters for the transceiver and signal processor. An appropriate combination of parameters for different fishing areas and sea states can be selected in one operation.

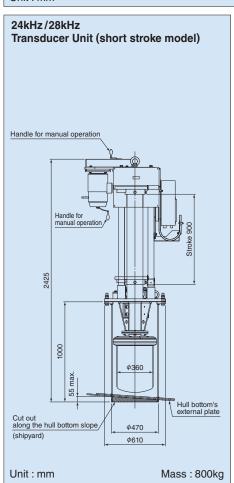
Lineup of Transducer Units

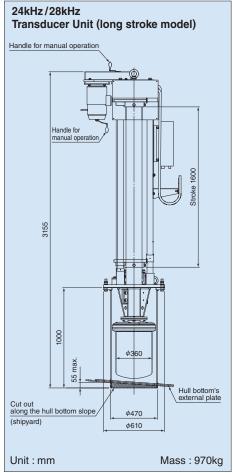
A choice of 24kHz and 28kHz frequencies are available for different fishing operations. The transducer units are available in two stroke lengths.

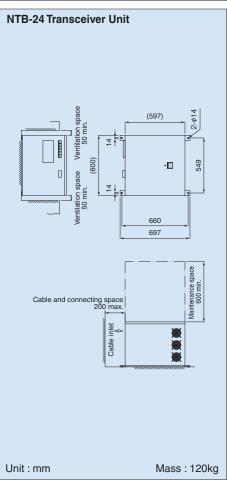
Flexible Installation and High Expandability

The display equipment is composed of Display Unit, Processor Unit and Keyboard Unit. The system is designed for flexible installation to meet the requirements for space and layout. Two or more display units can be installed, and remote operation from a crow's-nest (:fish watch position) is also available.









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