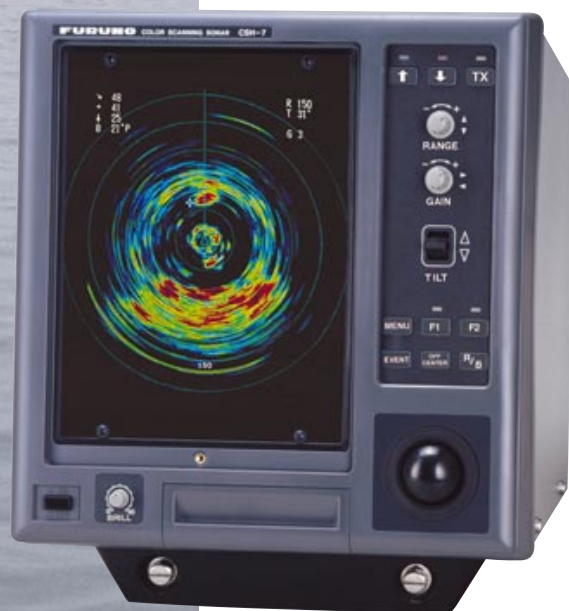


FURUNO®

COMPACT, HIGH-SENSITIVITY FULL-CIRCLE COLOR SCANNING SONAR

Model **CSH-7**

- A revolutionary scanning sonar built for small fishing boats
- Full circle 360° instantaneous search
- Clear detection of fish and fish school distribution all around the vessel
- Target information vividly displayed in 16 colors on a 10-inch CRT
- Maximum range scale of 1280 M in the off-center mode
- 55 kHz or 70 kHz operating frequency
- Remote controller for easy adjustment of range, gain and tilt
- Two user-programmable function keys for quick settings of sonar parameters
- Optional interface board for nav sensors, echo sounders or current indicator input



The future today with FURUNO's electronics technology.

FURUNO ELECTRIC CO., LTD.

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Telefax: +81 (798) 65-4200, 66-4622, 66-4623

Catalogue No. E-378

TRADE MARK REGISTERED
MARCA REGISTRADA

The FURUNO CSH-7 is a revolutionary new, compact, high-performance Color Scanning Sonar designed for small fishing boats.

Fish schools and underwater conditions are instantaneously displayed on the 10-inch color CRT. The echoes are presented in 16 vivid colors for intuitive recognition of concentration, distribution and volume of fish schools.

The CSH-7 has a 55 or 70 kHz operating frequency with 800 m maximum range. Two user-programmable function

keys simplify option by providing optimum settings of range, tilt angle, pulselength, pulse repetition rates, TVG, etc. as pre-set by the user.

When connected with appropriate sensors such as GPS, heading sensor/gyrocompass and E/S via an optional interface unit, the CSH-7 displays own ship's position, speed, course, heading and water temperature.

The compact display, transceiver and hull units allow for flexible installation on fishing boats that only have limited space.

SPECIFICATIONS OF CSH-7

- Display** 10-inch CRT, 512 x 384 dots
- Presentation Color** 16 colors
- Presentation Modes** Full-circle electronic scanning
- Range Scales** (ft, fa and p/b also selectable)
85, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 800 m (1280 m max with off-center)
- Pulselength**
Pulselength: 0.5 to 10 ms (depending on range scales)
- Beamwidth**

TX	Hor.	360°
	Vert.	18°
RX	Hor.	18°
	Vert.	21°
- Tilt** 0° to 55°
- Frequency** 55 kHz or 70 kHz (Specify when ordering)
- Audio Search**

A) Direction: Selected by EBL
B) Output: 2 W
C) Frequency: 1 kHz
- Power Supply** 24 VDC, 160 W (280 W max)
115/230 VAC with optional rectifier

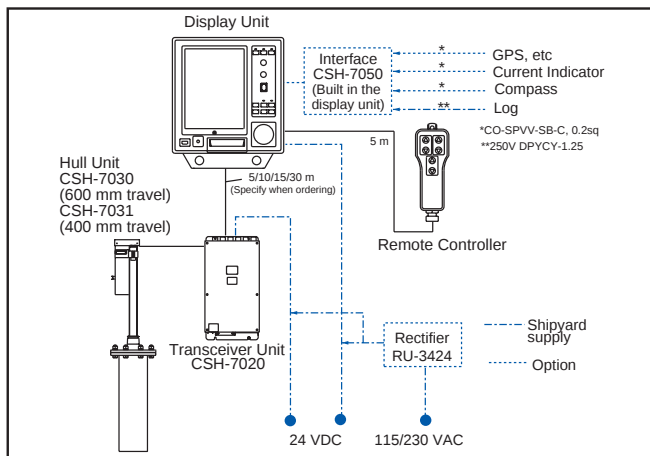
EQUIPMENT LIST

Standard (Specify 55 or 70 kHz version)

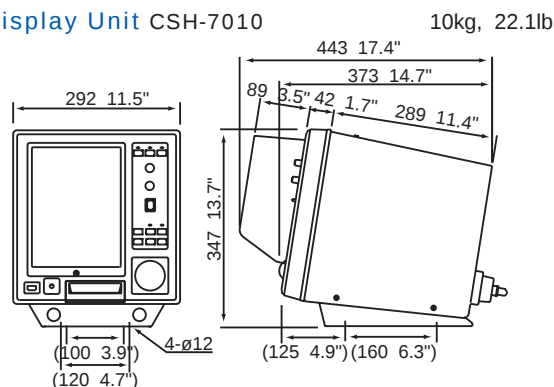
- Display unit CSH-7010 with connection cable (5/10/15/30 m, specify when ordering)
- Hull Unit CSH-7030 (600 mm travel)/7031 (400 mm travel) (Specify when ordering)
- Transceiver Unit CSH-7020
- Remote Controller CSH-7040 with 5 m cable
- Installation materials and spare parts

Optional

- Interface module CSH-7050
- Display hood
- Dust cover
- Retraction tank
- Rectifier RU-3424 for 115/230 VAC mains

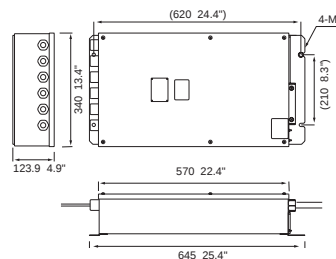


Display Unit CSH-7010

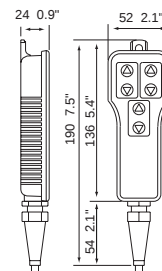


Transceiver Unit CSH-7020

11.5 kg, 25.4 lb



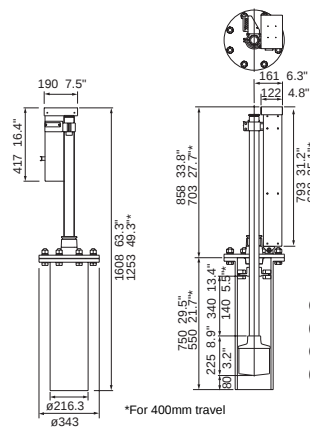
Remote Controller CSH-7040



Hull Unit

CSH-7030 (600 mm travel)

CSH-7031 (400 mm travel)



CSH-7030:
64 kg, 141.1 lb
CSH-7031:
60 kg, 132.3 lb

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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