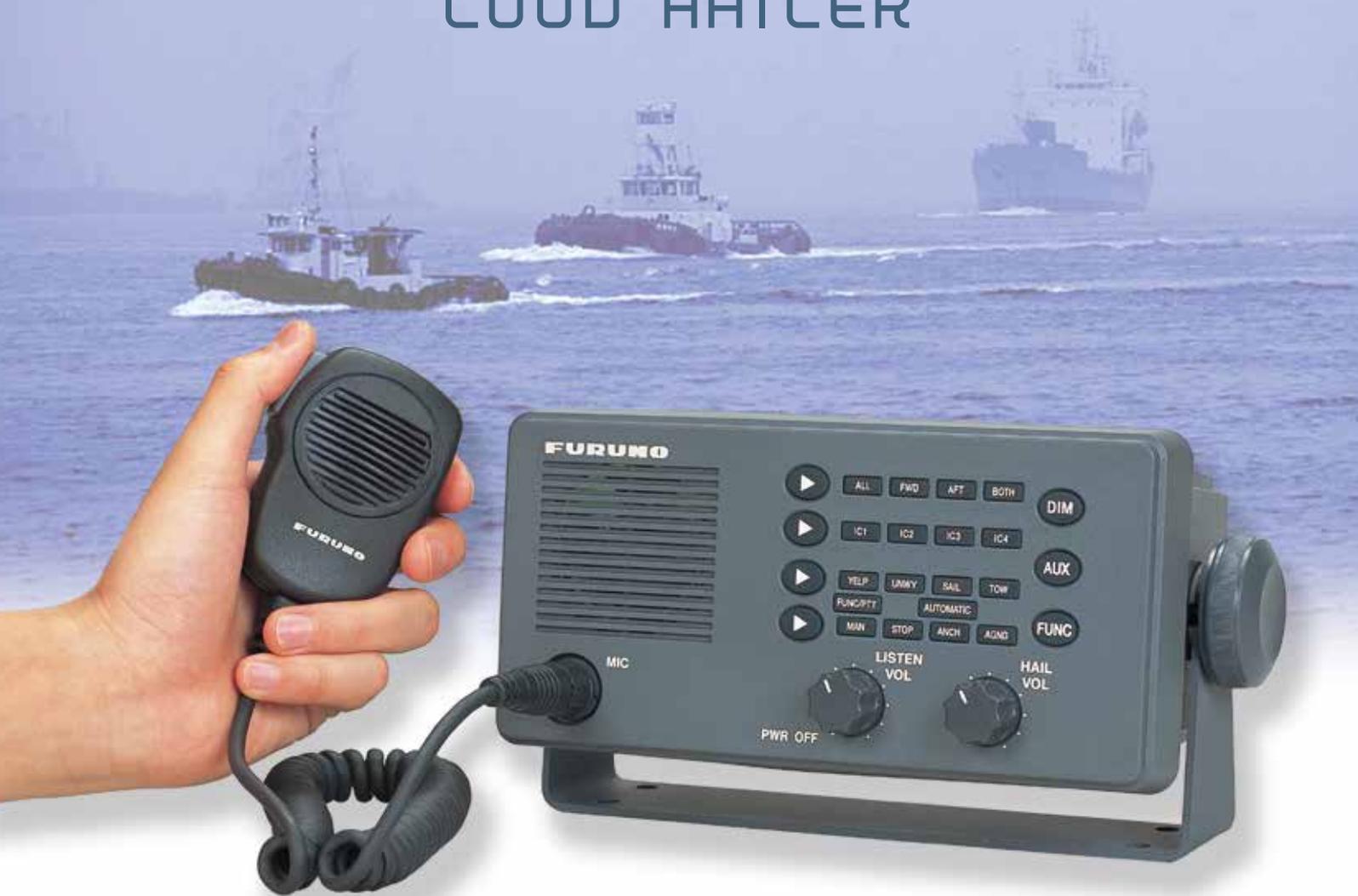


20 Watts output power with an intercom function

Model

LH-3000

LOUD HAILER



- Hail, Intercom, Alarm functions available
- Built-in high quality speaker
- 20 Watts of output power
- Eight automatic warning signals
- Up to four intercoms are connectable for two-way communication between master and specific remote or all remote stations
- Auxiliary audio input

FURUNO's LH-3000 is a high-performance 20 watts loud hailer with an intercom function. The LH-3000 is designed for a wide variety of ships, requiring high quality onboard and ship-to-ship communications under almost any circumstance.

Solidly built and waterproof, the LH-3000 contains a high quality built-in speaker and a microphone. On its front panel, there are easy-to-see states indicators.

By generating voice or eight internationally acknowledged warning signals from the horns, the LH-3000 notifies nearby vessels of your presence and status regardless of visibility conditions.

SPECIFICATIONS OF Model LH-3000

GENERAL

Output Power

| | |
|-------------------|-------|
| Hailer: | 20 W |
| Intercom: | 4.0 W |
| External Speaker: | 4.0 W |
| Internal Speaker: | 2.2 W |

Input

| | |
|-------------------------|-----------------------------|
| Microphone Impedance: | 600 Ω |
| Auxiliary Impedance: | 10 kΩ |
| Microphone Sensitivity: | -73 dB ± 3 dB (0dB=1V/uBar) |
| Auxiliary Sensitivity: | 0 dB ±3 dB (1 kHz) |

Frequency Response

| | |
|----------------|---|
| Hail Mode: | 100 Hz - 8 kHz at 3 dB |
| Intercom Mode: | 100 Hz - 8 kHz at 3 dB |
| AUX Mode: | 100 Hz - 8 kHz at 3 dB 520 Hz ±50 Hz |

Horn Frequency

Distortion Factor

| | |
|----------------|-----------------------------|
| Hail Mode: | less than 10% (1 kHz 20 W) |
| Intercom Mode: | less than 10% (1 kHz 4.0 W) |

Signal to Noise Ratio

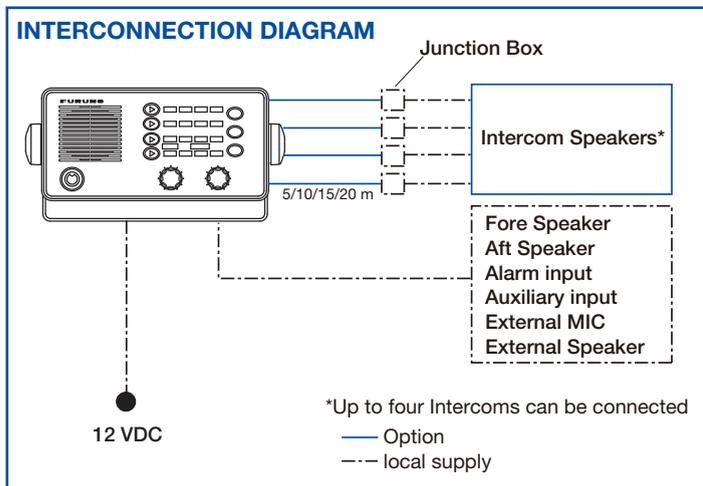
| | |
|----------------|---------------|
| Hail Mode: | 60 dB (1 kHz) |
| Intercom Mode: | 60 dB (1 kHz) |
| AUX Mode: | 60 dB (1 kHz) |

Output Impedance

| | |
|-------------------|-----|
| Hail Speaker: | 8 Ω |
| Intercom Speaker: | 4 Ω |
| External Speaker: | 4 Ω |

POWER SUPPLY

12 VDC, 5 A, 280 mA (Standby)



The LH-3000 can also function as an intercom, when connected to optional intercom speakers. Up to four intercoms can be connected for two-way communication between the bridge and one or all intercom stations.

The LH-3000 can be connected to various equipment to enable useful functions. When connected to an external alarm unit, the LH-3000 can function as a security alarm. Furthermore, an auxiliary audio input allows transmission of music or other external audio signals (from CD player, radio and etc.) to the intercom speakers and external horns.

ENVIRONMENTAL

| | |
|--------------------------------|-------------------------------|
| Temperature: | -15 °C to + 55 °C (IEC 60945) |
| Waterproofing (Face of panel): | IPX5 (IEC 60529) |

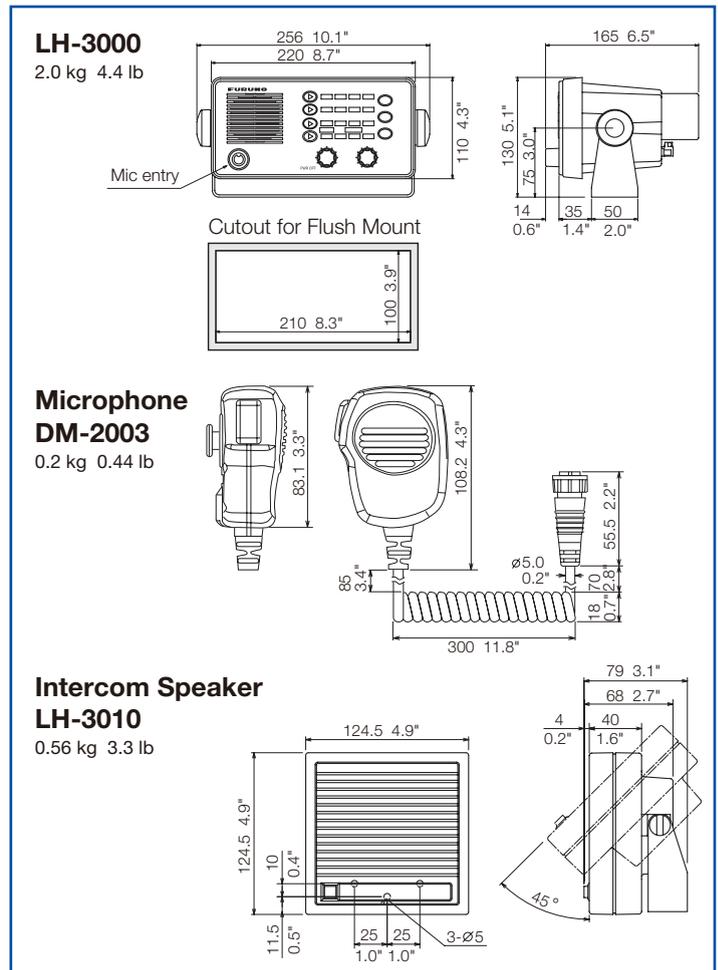
EQUIPMENT LIST

Standard

1. Loud Hailer LH-3000 1 unit
2. Microphone DM-2003 1 unit
3. Installation Materials and Spare Parts 1 set

Option

1. Intercom Speaker LH-3010
2. Flush Mount Kit LH-3020
3. Cable for Intercom Speaker 5/10/15/20 m



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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