



IBUKI KOGYO CO., LTD.

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**INSPECTION CERTIFICATE
OF
ARTICLES FOR SHIP USE OF APPROVED TYPE**

NO. 22-4

Date May, 26, 2022

This is to certify that the following article satisfies the regulations of Annex III of the Convention on the International Regulations for Preventing Collisions at sea, 1972.

This is also to certify that it meets all the requirements of the design, manufacturing, test and inspection specifications of Ibuki Kogyo Co., Ltd.

Description and Type	: WHISTLE CLASS III (For vessels of 20m or more but less than 75m in length) E150H TYPE MAGNET HORN
Quantity	: 1 unit
Manufacture Number	: 49160
Fundamental Frequency	: 320 Hz
Sound Pressure Level	: More than 130 dB/1m

IBUKI KOGYO CO., LTD.

K. Murata, Eng. Design Dept.

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR21182707MC

6. Should a change of Place of Production from that stated below be required from that stated below be required, i.e. where the final stages of manufacture/assembly/testing of this product: the new place of production is to be advised to us prior to the change taking place. This certificate will require to be updated for approval to be maintained
7. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype

NOTE: This sound signal appliance has been tested to the requirements of EN 60945 for electromagnetic compatibility only

PLACE OF PRODUCTION

Ibuki Kogyo Co., Ltd.
7-28 Takadono 1-Chome
Asahi-Ku
Osaka, 535-0031
Japan



Lijo Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
Lloyd's Register EMEA

Certificate Of Type Approval (MCA)

This is to certify that LLOYD'S REGISTER, specified as a "person" under the terms of The Merchant Shipping (Marine Equipment) Regulations 2016 (SI2016 No. 1025), did undertake the relevant type approval procedures of the equipment identified below which was found to be in compliance with the International Regulations for preventing Collisions at Sea, 1972 (COLREG 72), as amended, requirements subject to any conditions in the Design Appraisal Document hereto.

Manufacturer	Ibuki Kogyo Co., Ltd.
Address	7-28 Takadono 1-Chome, Asahi-Ku, Osaka, 535-0031, Japan
Type	Sound Signal Appliances
Description	Electrically controlled magnet horn - Type: "E150" or when fitted with heater - Type: "E150H"
Trade Name	E150H
Specified Standard	The Convention on the International Regulations for Preventing Collisions at Sea 1972 (COLREGs), Annex III/1 1(a) to (d) inclusive EN 60945 (2002)

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid up to the expiry date, unless cancelled or revoked, or until such date where it is superseded by the requirements of the Marine Equipment Directive, whichever is sooner, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.



Lijo Thomas

Senior Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United
Kingdom

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR21182707MC

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System 2019.

The undernoted documents have been appraised for compliance with the relevant International Conventions and UK legislation for the Type Approval of Marine Equipment for use on Merchant Ships Registered in the United Kingdom.

This Design Appraisal Document forms part of the Certificate that is issued under the authority given in the MCA Merchant Shipping Notice No MSN 1874.

This is renewal of certificate No: MCA 1650007

EXAMINED DOCUMENTATION

<u>Dwg No.</u>	<u>Date</u>	<u>Drawing Title</u>
SOJ-8710A	Aug. 28, 1979	E150 Magnet Horn Unit – Outline View
SSJ-8710A	Aug. 28, 1979	E150 Magnet Horn Unit – Horn Unit
SOJ-8710B	Aug. 31, 1979	E150 Magnet Horn Unit / Oscillator Unit
SSJ-8710B	Aug. 28, 1979	E150 Magnet Horn Unit/Oscillator Unit, Construction View
-	-	E150 Magnet Horn Unit Instructions
A-1285	Nov. 5, 1980	E150-H Magnet Horn Unit, heating device, Outline View

TEST REPORT

MIRA Test Report No. K 12680/4, dated 5 August 1981

CTS Test Report No: 5390, dated 05/05/1999, for EMC

Test Report No. IDOC-T0003, dated 1 5th April 2011

CONDITIONS OF CERTIFICATION

1. The E150 and E150H horns may only be fitted to vessels of greater than 20 metres but less than 75 metres in length
2. The onboard arrangements and installation of this horn is not part of this certificate, all such arrangements are to be to the satisfaction of the attending surveyor
3. Each horn is to be delivered with a copy of this certificate
4. Instructions for use and maintenance are to be supplied with each horn
5. Should the specified standards be amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply