



Lloyd's
Register

Notified Body authorised by the MCA

CERTIFICATE OF TYPE APPROVAL


This is to certify that

LLOYD'S REGISTER, specified as a "person" under the terms of The Merchant Shipping (Delegation of Equipment Approval) Regulations 1996, 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, 1792 (COLREG 72), as amended, requirements subject to any conditions in the Design Appraisal Document hereto.

Producer	Ibuki Kogyo Co., Ltd.
Address	7-28 Takadono 1-Chome Asahi-Ku Osaka, 535-0031 Japan
Equipment Description	Manually controlled compressed air powered air horn – Type: "A100" or when fitted with electric and manual control – Type: "A100 E" or when fitted with heater – Type: "A100 EH"
Type	SOUND SIGNAL APPLIANCES
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)

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid up to the expiry dated unless cancelled or revoked, or until such date where it is superseded by the requirements of the Marine Equipment Directive whichever is the earlier, provided the conditions in the attached schedule are complied with and the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

Date of issue	8 February 2016	Expiry date	7 February 2021
Certificate No.	MCA 1650006	Signed	
Sheet No.	1 of 3	Name	L. Thomas Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

Note:

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 the nominated body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



Maritime &
Coastguard
Agency

This certificate is issued under the authority given in Merchant Shipping Notice No MSN 1735 (M+F) as amended to date.



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Lloyd's Register EMEA

London Design Support Office
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Document number MCA 1650006
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 8 February 2016	Quote this reference on all future communications MTES/SFS/TA/LT/WP25362990
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. MCA 1650006

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 1735.

APPROVAL DOCUMENTATION

<u>Dwg No.</u>	<u>Date</u>	<u>Drawing Title</u>
SOJ-1200C	Feb. 27, 1979	A100 Air Horn
SSJ-1200C	Feb. 27, 1979	A100 Air Horn Construction View
-	-	Instructions "Ibuki" A100 Type Air Horn
SOJ-1290C	Feb. 27, 1979	A100E Air Horn ^A
SSJ-1290C	Feb. 27, 1979	A100E Air Horn Construction View ^A
-	-	Instructions "Ibuki" A100E Type Air Horn ^A
SOJ-1240C	Feb. 27, 1979	A100EH Air Horn ^A
SSJ-1240C	Feb. 27, 1979	A100EH Air Horn Construction View ^{A A}
-	-	Instructions "Ibuki" A100 Type Air Horn ^{A A}

^A Fitted with solenoid valve for electric control in addition to manual control

^A Also fitted with heater

TEST REPORTS

MIRA Test Report No. K 124341, dated 18 Feb 1986

CTS Test Report No: 5215, dated 31/10/1997, for EMC

Test Report No. IDOC-T0002, dated 15th April 2011

CONDITIONS OF CERTIFICATION

1. The A100, A100 E and A100 EH 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
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



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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
Statutory Fire & Safety
Marine Technology and Engineering Services
Lloyd's Register EMEA