



# Bundesrepublik Deutschland

Federal Republic of Germany

## BSH-Cert

Benannte Stelle - Navigations und Funkausrüstung  
beim Bundesamt für Seeschifffahrt und Hydrographie

Notified Body - Navigation and Radiocommunication Equipment  
at the Federal Maritime and Hydrographic Agency



NOTIFIED  
BODY  
0735

### EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

BSH-Cert, specified as a "notified body" under the terms of „Schiffssicherheitsgesetz“ of 09 September 1998 (BGBl. I, p. 2860) modified last 18 May 2011 (BGBl. I, p. 935), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation requirements of Marine Equipment Directive (MED) 96/98/EC and the last modification by Directive 2010/68/EC.

Manufacturer **Japan Marina Co., Ltd. (JMC)**  
Address **36-2-1001 Udagawa-cho, Shibuya-ku, Tokyo 150-0042, JAPAN**

Applicant **SAM Electronics GmbH**  
Address **Behringstraße 120, 22763 Hamburg, GERMANY**

Annex A.1 Item (No & item designation) **4.6 Echo sounding equipment**

Product Name **SAM 4620 / JMC F-2000**

Trade Name(s) **---**

#### Specified Standard(s)

IMO-Resolution A.224(VII) as amended by IMO-Resolution MSC.74(69) Annex 4	ISO 9875 Ed.3.0, 2000 as amended by Corr. 1, 2006 IEC 60945 Ed.4.0, 2002 incl. Corr. 1, 2008
IMO-Resolution A.694(17)	IEC 62288 Ed.1.0, 2008
IMO-Resolution MSC.191(79)	IEC 61162-1 Ed.4.0, 2010

Based on the Directive 2009/26/EC, additional applied version: Directive 2010/68/EC  
This certificate remains valid unless cancelled, expired or revoked.

Date of Re-issue: **26 August 2011** Issued by: **BSH-Cert**  
Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany  
Expiry date: **25 August 2016** Notified body **0735**

Certificate No.: **BSH/4612/4061986/11**

USCG-Module-B No.: **165.107/EC0735** Unique Identifier: **4061986**

This certificate consists of 2 pages.



Kai-Jens Schulz-Reifer



**Components necessary for operation:**

Designation	Type designation
Main Unit	SAM 4620 / JMC F-2000
Echo sounding Transducer	Atlas SW 6016 (Working frequency 100 kHz)
Echo sounding Transducer	Radaronic 570-50 (Working frequency 50 kHz)
Echo sounding Transducer	ELAC LSE 297 (Working frequency 50 kHz)
Echo sounding Transducer	ELAC LSE 313 (Working frequency 200 kHz)
Echo sounding Transducer	ELAC LSE 328 (Working frequency 100 kHz)
Echo sounding Transducer	ELAC LSE 329 (Working frequency 100 kHz)

**Additional components:**

Designation	Type designation
Digital display	Plath UDR
Digital display	Skipper IR 301
Digital display	9205 T / ELAC DAZ 25/ DEBEG 4650 T / FILIA 522
Digital display	UDD SAM 4900

**Approval Documentation:**

Assessment Report No.: BSH/4612/4061986/11 (IEC 61162-1 Ed.4.0)

Test Report No.: BSH/4612/461153/09 (IEC 62288)

Test Report BSH for ELAC LSE 328, dated 14 December 2006

Test Report No.: 4612/4060208/06

**Places of production:**

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**Limitations on the acceptance or use of the product:**

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**Notes:**

The manufacturer shall inform BSH-Cert, as the notified body, of any modifications to the type-tested product(s) that may affect compliance with the requirements or conditions laid down for use of the product(s).

In case the specified regulations or standards are amended during the validity of this certificate, the product(s) must be re-certified before being placed on board vessels to which such amended regulations or standards apply.

The Mark of Conformity (wheelmark) may only be affixed to the type approved equipment, and a Manufacturer's Declaration of Conformity may only be issued, if the product quality system fully complies with the Marine Equipment Directive and is certified by a notified body against ANNEX B module D, E, or F of the Directive.

**U.S. Coast Guard Approval**

This product has been assigned a U.S. Coast Guard Module B number (165.xxx/EC0735/Unique Identifier [if other than EC 0735: /Number of the notified body which certifies the quality assurance system]) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Maritime Equipment" signed February 27<sup>th</sup>, 2004, and additional information given by U.S. Coast Guard by E-Mail 2010.

**Notice on legal remedies available:**

Objection to this document may be filed within one month after notification. The objection must be filed in writing to, or put on record at, Federal Maritime and Hydrographic Agency, Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany