



Marine &amp; Offshore

Certificate number: 26922/B0 MED

File number: LSA 4099/07-LSA 87048/01

Item number: MED/1.20c

This certificate is not valid when presented without the full  
attached schedule composed of 7 sections

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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

## EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2018/773 of 15 May 2018

This certificate is issued to:

**SURVITEC SAS**

CHEVANCEAUX - FRANCE

for the type of product

**FAST RESCUE BOATS - RIGID-INFLATED**

FRB 600 E Frame

### Requirements:

SOLAS 74 Convention as amended, Regulations III/4, III/26 and III/34

IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89), MSC.368(93) and MSC.425(98) I, V

IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89), MSC.378(93) and MSC.427(98)

IMO MSC/Circ.980, IMO MSC/Circ.1006, IMO MSC/Circ.1016 and IMO MSC/Circ.1094

ISO 15372:2000

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.


**This certificate will expire on: 23 Jul 2023**

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV BORDEAUX, on 23 Jul 2018,

Mathieu OLIVIER



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

**Type** FRB 600 E Frame  
**Designation** Rigid/Inflated Fast Rescue Boat of GRP Construction with fixed single point suspension arrangement

Overall dimensions			Maximum Capacity
<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	6 persons including one person lying down on a stretcher
6041 mm	2450 mm	585 mm	

Weight of boat	FRB 600 E Frame (70 HP)	FRB 600 E Frame (90HP)
Light Weight (Fully equipped)	999 kg	999 kg
Full Load (6 persons)	1494 kg	1494 kg

### 2. DOCUMENTS AND DRAWINGS:

#### Design Record

Reference Number	Date	Revision	Title	Pages
BF-11-67-EC	22/03/2018	1	FRB 600 -EC	9

#### Drawings

Reference Number	Date	Revision	Title	Pages
400400	22/05/2013	-	D ring 25 mm patch	1
400462	27/02/2015	A	Equipment bag	1
400522	15/07/2013	-	Support plate	1
400523	15/07/2013	-	Hull assembly	1
400525	14/07/2013	-	Wood cutting for hull	1
400529	12/07/2013	-	Hull cutting	1
400534	15/07/2013	-	Linking upper & lower deck	1
400543	16/07/2013	-	Spacer for seats	1
400545	16/07/2013	-	Self-righting frame	1
400547	16/07/2013	-	Self-righting system	1
400549	17/07/2013	-	Self-righting fixing system	1
400550	17/07/2013	-	Drain mounting	1
400553	17/07/2013	-	Hull tube assembly	1
400557	17/07/2013	-	Engine pail	1
400559	17/07/2013	-	Righting buoyancy bag	1
400561	17/07/2013	-	Transom holes position	1
400563	17/07/2013	-	Eyed screw	1
400566	18/07/2013	-	Control panel	1
400567	18/07/2013	-	Wood reinforcement positions	1
400568	18/07/2013	-	Hull wood reinforcement	1
400570	18/07/2013	-	Jockey seat with battery	1
400575	18/07/2013	-	Towing loop	1
400576	18/07/2013	-	Drain manufacturing	1
400577	18/07/2017	-	Righting bag command pocket	1
400578	18/07/2013	-	Buoyancy volumes	1
400579	19/07/2013	-	Buoyancy main assembly	1
400583	19/07/2013	-	Rescue ladder installation	1
400616	30/07/2013	-	Retro-reflective tape	1
400617	30/07/2013	-	Battery support plate	1
400618	30/07/2013	-	Towing front frame	1

**Drawings (Continued)**

Reference Number	Date	Revision	Title	Pages
400623	30/07/2013	-	Lifting & hull dimensions	1
400624	30/07/2013	-	Webbing for low lifeline	1
400625	29/07/2013	-	Upper deck	4
400626	30/07/2013	-	Charger diagram	1
400627	30/07/2013	-	General assembly	1
400628	30/07/2013	-	Propulsion & steering system	1
400631	30/07/2013	-	Lifting jack	1
400634	30/07/2013	-	Label position	1
400635	29/07/2013	-	Hull	9
400636	29/07/2013	-	Upper deck	15
400637	31/07/2013	-	Plate	1
400720	13/06/2013	-	Aft board	6
401208	12/04/2017	-	Deck fittings	1
401210	12/04/2017	-	Front towing system	1
401256	15/06/2017	-	Compass position	1
401525	22/06/2018	-	Passager seat 1 place	1
A-500001	31/07/2013	-	Lifting frame general assembly	1
A-500499	26/09/2017	-	Tiller	1

**Material and Components**

Reference Number	Date	Revision	Title	Pages
D.I.F. RIBO EC	15/02/2018	K	Lifting & hull dimensions	5
BF-11-67-EC	22/03/2018	1	FRB 600 Fixed Equipment & Other Equipment	9

No departure from these documents is permitted without the prior consent of the Society.

**3. TEST REPORTS:****Rescue Boat**

Date	Test Report
07/1998, 12/1998 & 09/2000	--- Initial Type test
01/12/2011 and 11/01/2012	BE 050/2011 Additional type test performed on serial No.Proto 285
30/01/2013	No.InEn03-13 Additional strength test of the lifting frame
24/01/2014	BE 003/2014 Additional type test performed on serial number PROTO 285
28/10/2014	BE 047/2014 Additional type test performed on serial number PROTO 285

**Laminate material of hull**

Date	Test Report
20/01/2010	100020-c Fire retardancy test
20/01/2010	LA 10 CHX 2539 P.V. Fire retardancy test
18/01/2010	100036 Flame resistance test
20/01/2010	189609 Flame resistance test
04/07/2012	2493672/1-rev02 Strength test

**Inherent and additional buoyancy materials**

Date	Test Report
17/12/2008	LA 08 TLS 2317 P.V. Initial test report
10/04/2012	R024-BNN-12-100094-1/A Additional test report

**Maximum towing forces**

	Engine Type	
	Evinrude 75 HK	Evinrude 90 HK
Towing Force (kg)	480	490

Forces measured with rescue boat serial number Proto 285.

**4. APPLICATION / LIMITATION:**

- The scope of the appraisal made by Bureau Veritas to issue this certificate is strictly restricted to the relevant requirements stated on the front page of this certificate.
- Application / limitation as per product description and requirements stated on front page of this certificate.
- The period of shelf life of equipment subjected to deterioration with age is to be indicated.
- On board installation & maintenance as per requirements stated on front page of this certificate.

The following components shall have to comply with the requirements of MED 2014/90/EU, as amended, and be wheelmarked:

**Propulsion Engines**

<b>Manufacturer</b>	Frydenbo Marine AS	Frydenbo Marine AS
<b>Type</b>	Evinrude E-TEC 75 HK	Evinrude E-TEC 90 HK
<b>Power</b>	56kW	67.1 kW

**Others**

<b>Designation</b>	<b>Additional information</b>
Release Mechanism: Position indicating lights Thermal protective aids Retro reflective materials Radar reflector Portable fire-extinguishing equipment Compass: Searchlight VHF radiocommunication set:	with indication of SWL      Artica 2"3/4 BA2 (Riviera Srl)  Hands-free and watertight

- Other rescue boat equipment as listed in LSA Code chapter 5.1.2.2, 5.1.2.3 and 5.1.2.4 is to be to the satisfaction of the ship's flag administration for acceptance of the equipped fast rescue boat on board the concerned ship.
- Electrical components including batteries to be as per documents and drawings listed in paragraph 2.

**Fabric for inflated parts**

ORCA 866 (Pennel & Flipo)

**Raw materials for the GRP Hull**

<b>Reference:</b>	<b>Type:</b>	<b>Manufacturer:</b>
Gel Coat	UNIGEL 2AE - 5602 Airless	Cromogenia-Units, S.A.
Polyester Resin	F 204 TF Norsodyne H 13348 TA	Ashland Cray Valley
Glass Fibre Mats	Mat 450, Mat 600 (M5)	Vetrotex
Glass Fibre Woven Roving / Mats	Rovimat 500/300	Les Fils d'Auguste Chomarat et Cie
UD	Ruban 8002	Les Fils d'Auguste Chomarat et Cie
Buoyancy material	POL CX 25 STD Gris	Flexicel

**5. PRODUCTION SURVEY REQUIREMENTS:**

The raw materials are to be traceable in case of compatibility problems in repair.

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or F "Product Verification" of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

Each fast rescue boat intended to be fitted onboard a ship registered to a National register adhering to the Directive shall be delivered with a Declaration of Conformity.

The manufacturer shall keep records of any production tests carried out in accordance with instructions given in IMO resolution MSC.81(70) Part 2 as amended.

Each equipment, or batch of equipment, is to be supplied with its Manual(s) for installation, use and maintenance.

For information concerning the production phase modules, **Survitec SAS** has declared the following manufacturing site(s):

Survitec SAS

Route de chatenet

17210 Chevanceaux, France

**6. MARKING OF PRODUCT:**

The rigid/inflated fast rescue boat shall be marked with:

- Reference is made to MED 2014/90/EU chapter 2.  
In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D or F) and by the year in which the mark is affixed (4 digits or last 2 digits).
- Markings as per chapters 1.2, 4.4.1.2, 4.4.9 and 5.1.3.4 of LSA Code as amended.

**7. OTHERS:**

It is **Survitec SAS** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

This certificate supersedes the previous Type Examination Certificate No.26922/A2 EC dated 13/03/2015

**\*\*\* END OF CERTIFICATE \*\*\***