



Marine & Offshore

Certificate number: 08527/E0 BV

File number: LSA 4099/06

Product code: 6028I

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

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**SURVITEC SAS**  
CHEVANCEAUX - FRANCE

*for the type of product*

**RESCUE BOATS**  
NON-SOLAS Rigid/Inflated Rescue Boat, Type: RIBO 340  
Trademarks: ZODIAC, CREWSAVER

### Requirements:

SOLAS 74 Convention as amended, Regulations III/4, X/3, III/21, III/31 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), MSC.425(98) and MSC.459(101) I, V except sections 4.4.4, 5.1.1.3.1, 5.1.1.3.2  
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), MSC.427(98) and MSC.472(101)  
ISO 15372:2000

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 13 Jul 2026**

**For Bureau Veritas Marine & Offshore,**

At BV BORDEAUX, on 13 Jul 2021,

Mathieu OLIVIER



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. 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.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 5 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

**NON-SOLAS Rigid/Inflated Rescue Boat of GRP Construction with 4 points lifting slings, Type: RIBO 340**

<b>Main Particulars</b>	<b>RIBO 340</b>
Length Over All	3.40 m
Breadth	1.71 m

	<b>YAMAHA 25 HP 4 Strokes</b>
<b>Engine Weight</b>	59 kg
<b>Light Weight (Fully equipped)</b>	238 kg
<b>Full Load (5 persons)</b>	650.5 kg
<b>Fuel oil tank capacity</b>	50 litres (2 x 25L)

Maximum capacity: 5 persons including one person lying down on a stretcher.  
Buoyancy working pressure: 0.24 bar.

### 2. DOCUMENTS AND DRAWINGS:

#### Design Report

Reference Number	Date	Revision	Title	Pages
BF-14-EC	25/06/2021	D	Design Record RIBO 340	9

#### Drawings

Reference Number	Date	Revision	Title	Pages
400669	25/05/2021	B	Main Assembly	1
400680	21/10/2015	-	Rescue ladder installation	1
401831	20/04/2020	-	RIBO 340 + motor	1
401053	02/10/2015	-	General arrangement hull	1
400684	07/08/2013	-	Lower lifeline	1
400462	27/02/2015	A	Equipment bag	1
400475	02/09/2014	A	Reinforcing plate	1
400961	14/01/2015	A	Sling	1
400685	20/10/2015	-	Towing settings	1
400671	06/08/2013	-	Buoyancy assembly	1
400683	07/08/2013	-	Compartments	1
400678	25/05/2021	A	Fittings position	1
400400	22/05/2017	-	D ring 25 mm patch	1
401050	30/09/2015	-	Reflecteur position	1
400682	07/08/2013	-	Fixed seat	1
400681	07/08/2013	-	Removable seat	1
400728	11/01/2016	-	Electric diagram	1
401048	30/09/2015	-	Label position	1
400602	26/10/2017	A	Identification label	1
400615	29/09/2017	D	Rescue boat sticker	1
400676	23/10/2015	-	Occupants location	1

#### Design Report

Reference Number	Date	Revision	Title	Pages
RIBO 340-01			Transom	1
BF-11-62-10	25/07/2011	0	Sac Armement RIBO	2

**Structural Drawings**

Reference Number	Date	Revision	Title	Pages
400686	07/08/2013	-	Drawing for cradles - Hull lines	1
400689	28/10/2015	-	Hull machining dimensions	1
400674	06/08/2013	-	Float / Hull mounting	1
400672	20/10/2015	-	Wood strenghtening	1
400673	21/10/2015	-	Wood strenghtening position	1
400696	17/04/2020	A	Laminating hull	1
400688	20/04/2020	A	Hull	4
400687	20/04/2020	A	Deck	5
401049	27/10/2015	-	Buoyancy Foam position	1
400695	27/10/2015	-	Distribution buoyancy Foam for Ribo 340	1
401447	31/01/2018	-	Engine plate	1
401321	29/09/2017	-	Transom wooden plate	1

**Materials and Components**

Reference Number	Date	Revision	Title	Pages
D.I.F. RIBO EC	10/03/2021	P	Suppliers File RIBO EC	6

**Operating and maintenance manual**

Reference Number	Issue	Title	Pages
Z63643	05/2021	Operating and Maintenance Manual	109
SM20/18	L	Professional Liferaft Service Manual	62

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

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

Date	Test Report	
08/08/2008	IEN-05-08	Mooring out test
08/10/2015	BE 042/2015	Initial type tests
17/12/2018	BE 061/2018	Additional test - Engine Yamaha 25 HP 4 Strokes

*The rescue boat was tested under witnessing Bureau Veritas on serial number XMPC106SF515.*

**Laminate material of hul and rigid cover**

Date	Test Report	
02/12/2019	002-2019/01 Rev. 1	Fire retardancy test, Flame resistance test & Strength test
28/06/2019	002-2019/01 Rev. 0	Strength test
05/11/2019	1873.IIS0025/19	Fire retardancy test
05/11/2019	1874.IIS0035/19	Flame resistance test
05/11/2019	1875.IIS0035/19	Flame resistance test
05/11/2019	1876.IIS0035/19	Flame resistance 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**

	<b>YAMAHA 25 HP 4 Strokes</b>
<b>Towing Force</b>	1570 N
<i>Test report</i>	BE 061/2018
<i>Forces measured with rescue boat serial number</i>	<i>XMPC106SF515</i>

**4. APPLICATION / LIMITATION:**

This NON SOLAS rescue boat (lower capacity and buoyancy) can not be installed on board a ship without the authorisation of the concerned Ship's Flag Administration.

- 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 equipment shall comply with the requirements of MSC.48(66) and MSC.81(70) as amended, to the satisfaction of the ship's flag administration for acceptance of the equipped rescue boat on board the concerned ship:

**Propulsion Engines**

	<b>YAMAHA 25 HP 4 Strokes</b>
<b>Type</b>	Yamaha F25G
<b>Power</b>	18.4 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	with indication of SWL (to be not less than 950 kg)      Artica 2"3/4 BA2 (Riviera Srl)

- 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**

<b>Reference</b>	<b>Type</b>	<b>Manufacturer</b>
Fabric	ORCA 866	Pennel & Flipo

**Raw materials for the GRP Hull**

<b>Material</b>	<b>Type</b>	<b>Manufacturer</b>
Gel Coat	UNIGEL 15M	Cromogenia-unit,S.A.
Resin	HETRON F 240 TF H 13239 TA	Ashland Polynt Composites
Mats	M705 Choped Strand Mat 3209 E-QX868	Owens corning
Woven Roving	600g/m <sup>2</sup>	QUIMIDROGA
UD	Ruban 8002	Les Fils d'Auguste Chomarat et Cie
Buoyancy Material	POL CX 25 STD Gris	Flexicel

**5. PRODUCTION SURVEY REQUIREMENTS:**

- 5.1 - The rescue boats are to be supplied by Survitec SAS in compliance with the type and the requirements described in this certificate.
- 5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.
- 5.3 - BV product certificate is required.
- 5.4 - The raw materials are to be traceable in case of compatibility problems in repair.
- 5.5 - 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.
- 5.6 - Each equipment, or batch of equipment, is to be supplied with its Manual(s) for installation, use and maintenance.

**6. MARKING OF PRODUCT:**

The rigid/inflated rescue boat shall be marked with:

- Manufacturer's name
- Serial number
- BV Markings
- 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. 08527/D0 BV issued on 19.02.2016 by the Society.

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