



TYPE APPROVAL CERTIFICATE
No. FPE379422WS/002

This is to certify that the product identified below is in compliance with the regulations herewith specified

<i>Description</i>	INFLATABLE LIFERAFT
<i>Type</i>	SEAGO CV-4/6/8/10 - SEAGO CC-4/6/8/10
<i>Applicant</i>	SEAGO YACHTING LTD Deanland Business Park, Golden Cross, East Sussex BN273RP Lewes UNITED KINGDOM
<i>Manufacturer</i>	
<i>Place of manufacture</i>	
<i>Reference standards</i>	ISO 9650-1:2022(E) & ISO 9650-3:2009(E).
<i>Reference documents</i>	RINA Rules for construction, testing and installation of Life Saving Equipment

Issued in **Genoa** on **December 20, 2022.** *This Certificate is valid until* **December 19, 2027**

RINA Services S.p.A.

This certificate consists of this page and 1 enclosure

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Throw Overboard Inflatable Liferrafts (Type 2) with the following main characteristics and dimension:

	SEAGO CV/CC 4	SEAGO CV/CC 6	SEAGO CV/CC 8	SEAGO CV/CC 10
Liferaft shape	square	square	hexagon	hexagon
Outside diameter (mm)	1440	1720	2070	2300
Height (mm)	1100	1150	1230	1260
Upper buoyancy tube diameter (mm)	205	225	252	260
Lower buoyancy tube diameter (mm)	210	235	265	290
Canopy arch diameter (mm)	150	150	150	160
Capacity (82.5 Kg per person)	4	6	8	10
Working pressure (KPa)	13.33			
Required towing force (3 Knots)	370 N	360 N	370 N	390 N
Temperature Range	0°C / +65°C			

Inflation System

Type	Cylinder Quantity	Cylinder Capacity (lt)	Quantity of CO2 (g)	Quantity of N2 (g)
SEAGO CV/CC 4	1	2.0	1100	110
SEAGO CV/CC 6	1	2.5	1500	150
SEAGO CV/CC 8	1	3.0	1900	180
SEAGO CV/CC 10	1	4.0	2500	220

Packing Weight and Dimension

Type	Capacity	Weight (Kg)		Packing Dimension (mm)					
		Container	Valise	Container			Valise		
				L	B	H	L	B	H
SEAGO CV/CC 4	4	35	30	680	430	260	600	400	280
SEAGO CV/CC 6	6	40	35	730	490	280	700	400	270
SEAGO CV/CC 8	8	43	37	750	510	320	700	400	290
SEAGO CV/CC 10	10	49	41	780	530	350	700	500	280

The liferaft is manufactured in a vacuum packed system.

Fabric used for the construction of the liferaft:

- Buoyancy tubes, arch and bottom: polyester fiber XB-21, black colored, mass 700 g/m²;
 - Canopy: polyester 2x3-2PU, orange colour, strength > 0.93 KN (warp/weft)
- Maximum installation height: 6 m.

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Reference Documents

Owner's operating handbook & Service log SEAGO LIFERAFT, issued by SEAGO YACHTING Ltd, filed by RINA with n° SHFP 21637;

Technical data Liferrafts CC/CV 4-6-8-10 n° JCB-2022, filed by RINA with n° SHFP 21635;

Technical drawings issued by Shanghai Star Rubber Products and approved by RINA with n° SHFP (21609 ÷ 21612);

Service Manual of Inflatable Liferaft MC/MC - CC/CV, issued SEAGO YACHTING Ltd and filed by RINA with n° SHFP 21636;

Design calculation book for RAFT-L(II) Inflatable Liferaft, issued by Shanghai Star Rubber Products and filed by RINA with n° SHFP 21617;

Inflation System for RAFT-L(II) Inflatable Liferaft, issued by Shanghai Star Rubber Products and filed by RINA with n° SHFP 21634;

Certificate of Type Approval (Gas inflation systems for inflatable life-saving appliances) issued by CCS, and filed by RINA with n° SHFP 21640;

Main Material and printing Mark Manual issued by Shanghai star Rubber Products Co.,Ltd and filed by RINA with n° SHFP 21672.

Tests Carried Out

Testing report n° RAFT-L(II)/Report -2022 issued by Shanghai Star Rubber Products, witnessed by RINA Shanghai Office and filed with n° SHFP 21599;

Inspection Report Liferaft fabric n° 2018YW035-2, issued by The national supervision and Testing center of Fishery Machinery and Instrument and filed by RINA with n° CSST 16653;

Inspection Report Liferaft fabric n° 2018YW035-3, issued by The national supervision and Testing center of Fishery Machinery and Instrument and filed by RINA with n° CSST 16654;

Inspection report Liferaft fabric n° W (X) 2009-26 issued by Shanghai Monitoring and Inspection Center for Rubber Products Quality and filed by RINA with n° CSST16655.

Application/Limitation of Use

The liferaft may be fitted on board of small crafts (pleasure yacht) where compliance with Standard ISO 9650-1 is required (inflatable liferaft type 2).

The compliance of each manufactured product with the prototype which underwent the type approval tests, shall be stated by the Manufacturer.

Mass produced liferafts are to be marked or labelled in accordance with para 5.2.9.5 of ISO 9650-1:2022.

The validity of this Certificate ceases in the case of amendments to the rules on the basis of which the Certificate has been issued.

Liferafts servicing shall be carried out in accordance with para 7 of ISO 9650-1:2022.

Genoa December 20, 2022