



Offshore Racing Congress
World leader in rating technology

2021
ORCs
Certificate
M

**Central
Rating
Office**

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Racing**

World Leader In Rating Technology

Certificate

Number **SY151**
Issued On **13/10/2021**
ORC Ref **03190001MEO**
VPP Ver. **2021 SY1.00**
Valid until **31/12/2021**

Superstructures

Area Front **3.08**
Area Side **6.21**
Dome frontal areas (m²)
0.25,0.25

Powered Winches

Halyard Power (KW)
Halyard Speed (m/min) **90.0**
Sheet Power (KW)
Sheet Speed (m/min) **110.0**

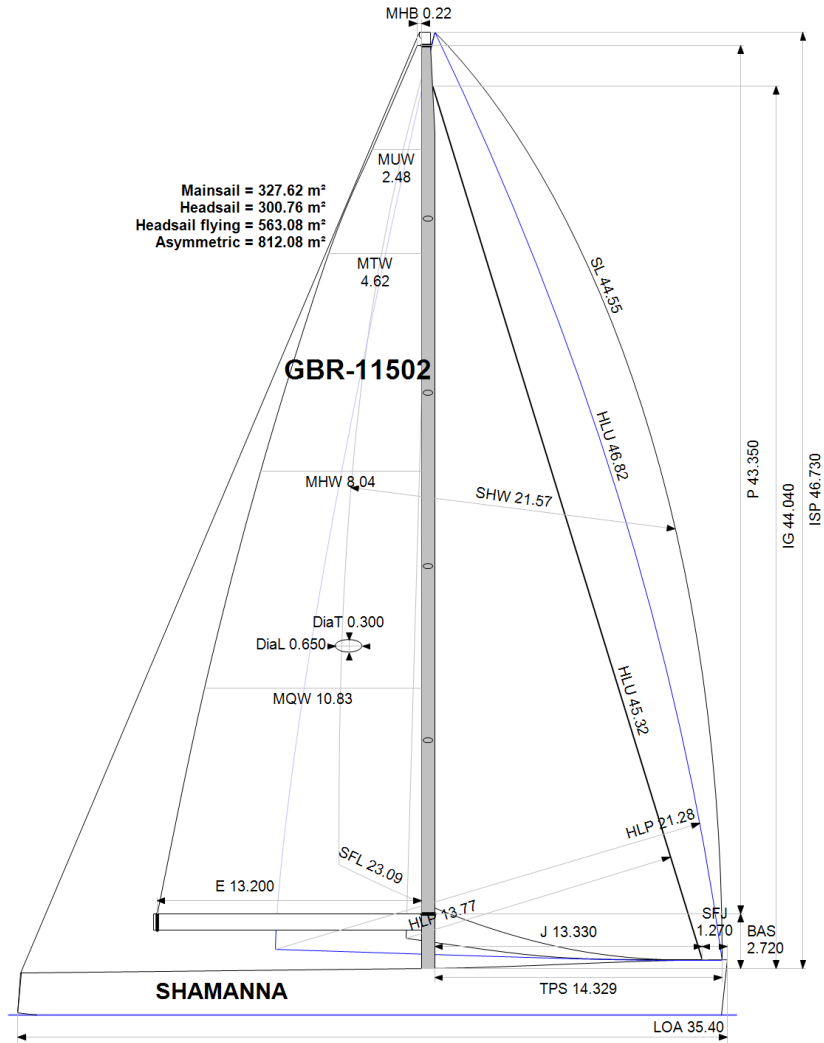
Propeller (measured)

Shaft exposed
Feathering **4 blades**
PRD **1.000**
PIPA **0.0914**

Sails

Spinnaker Pole **No**
Furled sails Upwind **0**
Main Furler in Mast **No**
Main Furler in Boom **No**
Multiple Headsails **No**
Headsail Count **1**
Headsail Flying Count **1**
Spinnaker Count **1**

Total Area Upwind **628.39**
Total Area Downwind **1139.69**



Mainsail = 327.62 m²
Headsail = 300.76 m²
Headsail flying = 563.08 m²
Asymmetric = 812.08 m²

GBR-11502

SHAMANNA

BOAT		HULL				
Name	SHAMANNA	Data File	SY151			
Sail Nr	GBR-11502	Offset File	SY151.off			
		Dynamic All.	0.000%			
		Construction	Carbon			
		Trim Tab	No			
		Carbon Rudder	Yes			
		MCA Certified	Yes			
		CDL	27.101			
		IMSL	34.021			
GENERAL		Sailing Trim				
Class	Swan 115	Displacement	111,846			
Designer	Frers YD	Draft	5.907m			
Builder	Nautor's Swan	RM at 1°	7600.3kg-m			
Series	04/2015, CIN 115-2					
Age Date	04/2015	CENTERBOARD				
OPF up / down	0.0% / 0.0%	N/A				
		SCORING OPTIONS				
		Light	Light-Moderate	Moderate	Moderate-Strong	Strong
		TWS < 8	8 <= TWS < 11	11 <= TWS < 14	14 <= TWS < 17	TWS >= 17
Time Multiplying Factor TMF (TOT)		0.9856	1.2277	1.4600	1.6225	1.7388
Time allowances (TOD) sec/mi		507.3	407.3	342.5	308.2	287.6

MAINSAIL & MIZZEN						
Area = $P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$						
	MHB	MUW	MTW	MHW	MQW	Area
Mainsail	0.22	2.48	4.62	8.04	10.83	327.62
Mizzen						0.00
Mizzen Staysail	YSD	SHW	SFL	Area		
with Spinnaker				0.00		
with Headsail				0.00		

INCLINING TEST AND FREEBOARDS						
Flotation date 03/04/2019			SG 1.0250			
FFM	0.722	FF	0.787	SFFP	-0.022	
FAM	0.102	FA	0.093	SAFP	35.200	
W1	681.5	PD1	90.0	WD	11.050	
W2	681.5	PD2	92.1	GSA	1.0	
W3	681.5	PD3	91.3	RSA	1.0	
W4	681.5	PD4	91.0	PLM	9000.00	
LCF from stem on CL / on sheer				19.809 / 20.254		
RM at 1° (measurement trim)				6510.7kg-m		



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2021
Measurements
Datasheet

HEADSAILS											
Area = $0.1125 \cdot HLU \cdot (1.445 \cdot HLP + 2 \cdot HQW + 2 \cdot HHW + 1.5 \cdot HTW + HUW + 0.5 \cdot HHB)$											
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Flying	Furler*	Meas.Date	Comment
0.15	3.56	6.86	12.86	18.26	21.28	46.82	563.08	Yes	Yes & TA	17/03/2021	A0-B-OUK4017032-004
0.20	1.62	3.16	6.39	9.93	13.77	45.32	300.76	No	Yes	26/10/2020	Cruise Jib B - OUK4017032-002
0.15	1.99	3.76	6.59	8.43	9.93	37.50	219.75	Inner	Yes	25/10/2020	SS-A-OUK4017032-005
0.15	1.15	2.26	4.73	7.37	10.22	29.72	145.70	Inner	Yes	17/03/2021	GS-B-OUK4017032-003
Tacking Unfurling Staysail No											
* "TA" denotes "Headsail eligible for allowance because it must be furled more than 50% when tacking"											

Certificate	
Number	SY151
Yacht Name	SHAMANNA
Sail Nr	GBR-11502
Data in	meters/kilograms
ORC Ref	03190001MEO
Issued On	13/10/2021
Valid until	31/12/2021

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SPINNAKERS						
Area = $(SLU+SLE)/2 \cdot (SFL + 4 \cdot SHW) / 6$						
SLU	SLE	SHW	SFL	Area	Measured	Comment
47.68	41.42	21.57	23.09	812.07		17/03/2021 A3-A-

SPINNAKERS						
SLU	SLE	SHW	SFL	Area	Measured	Comment

TANKS							
Id	Use	Volume	LCG	VCG	Sp.Wht	Level Msmt	Level Sailing Description
A	FUEL	2,600	19.34	-0.06	0.8400	0.040	0.900 #1
B	FUEL	2,600	19.34	-0.06	0.8400	0.070	0.300 #2
C	FUEL	350	17.24	-0.06	0.8400	0.580	0.900 #3
D	WATER	1,650	14.44	-0.20	1.0000	0.000	0.300 STB
E	WATER	1,650	14.44	-0.20	1.0000	0.510	0.100 PORT

COMMENTS

INVENTORY						
Id	Weight Msmt	Weight Sailing	LCG	VCG	Gyr.Adj.	Description
A	156	156	2.60	2.21	Y	ANCHOR #1
B	700	700	3.87	0.97	Y	CHAIN #1
C	31	31	5.20	1.06	Y	ANCHOR #2 FORTRESS
D	30	30	25.90	0.91	N	ENGINE ROOMS (TOOLS)
E	150	0	8.00	11.41	N	STAYSAIL FURLED
F	210	0	23.00	2.61	N	PEOPLE ON BOARD
G	332	0	22.27	1.00	N	VARIOUS ITEMS
H	28,970	0	17.20	-1.00	N	KEEL UP WEIGHT
I	-28,970	0	17.20	-3.25	N	KEEL DOWN WEIGHT
J	3,678	0	17.20	-3.25	N	KEEL DOWN VOLUME
K	-2,626	0	17.20	-1.00	N	KEEL UP VOLUME