

BOAT Name Giulia Sail Nr CZE 998	GPH 620.0	HULL Length Overall 10.300m Maximum Beam 3.536m Displacement 4,582kg Draft 1.901m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.090% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class Italia 9.98F Designer Matteo Polli Builder Italia Yachts Series 09/2014, CIN IT ILY998 12 F616 Age 08/2016 Age Allowance 0.163% Offset File IY998MP.OFF - 04/11/2015 14:00:04 Measurement by - 19/08/2016		IMSL 9.402m VCGD 0.087m Sink 17.74kg/mm RL 8.306m VCGM 0.084m WS 23.53m² LSM0 9.126m Displacement/Length ratio 6.0286



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	603.7			677.1		
Time on Time	0.9939			0.9969		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	706.8	549.9	492.3	914.1	678.6	596.1
Time on Time	0.9550	1.2274	1.3710	0.7384	0.9947	1.1324

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1058.9	875.3	774.5	732.7	718.2	714.0	706.5
52°	688.0	579.9	527.1	505.7	498.5	495.6	491.4
60°	647.6	552.8	511.4	492.3	483.4	479.4	476.1
75°	617.6	533.6	500.0	480.0	464.3	453.8	447.0
90°	621.3	525.0	488.7	473.6	457.9	440.1	416.9
110°	614.3	516.8	480.1	452.2	429.6	416.8	395.7
120°	632.8	526.2	485.5	456.4	428.4	403.5	372.7
135°	703.1	570.7	506.6	475.8	447.8	421.1	368.1
150°	830.2	661.4	561.9	506.8	478.0	452.2	403.8
Run VMG	958.6	763.8	648.2	575.0	523.7	489.9	440.8

Certificate

Number **040/19**
ORC Ref **CRO00090677**
Issued On **31/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **604kg**
Maximum **606kg**
Minimum* **455kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

ToD	ToT
Non Spin GPH 656.9	0.9134
Non Spin OSN 638.1	0.9403

Selected Courses							
Windward / Leeward	1008.7	819.5	711.3	653.8	620.9	602.0	573.6
Circular Random	850.3	688.0	601.6	552.0	521.6	501.5	474.4
Coastal / Long Distance	1003.7	768.9	641.9	571.7	533.5	502.2	450.7
Non Spinnaker	916.9	734.8	636.4	579.0	543.8	520.8	491.6

Sails Limitations

Headsails	Spinnakers
5	3

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.4°	42.0°	40.9°	40.1°	40.4°	40.4°	40.7°
Beat VMG	3.40	4.11	4.65	4.91	5.01	5.04	5.10
52°	5.23	6.21	6.83	7.12	7.22	7.26	7.33
60°	5.56	6.51	7.04	7.31	7.45	7.51	7.56
75°	5.83	6.75	7.20	7.50	7.75	7.93	8.05
90°	5.79	6.86	7.37	7.60	7.86	8.18	8.64
110°	5.86	6.97	7.50	7.96	8.38	8.64	9.10
120°	5.69	6.84	7.42	7.89	8.40	8.92	9.66
135°	5.12	6.31	7.11	7.57	8.04	8.55	9.78
150°	4.34	5.44	6.41	7.10	7.53	7.96	8.91
Run VMG	3.76	4.71	5.55	6.26	6.87	7.35	8.17
Gybe Angles	144.3°	147.8°	151.1°	157.7°	180.0°	180.0°	180.0°

Class Division Length

CDL = **8.855**

Storm Sails Areas

Heavy Weather Jib **25.57**
Storm Jib (JL=8.95) **9.48**
Storm Trysail **10.96**

Owner

BOAT	
Name Giulia	Sail Nr CZE 998
File CZE998	Data in meters/kilograms

RIG	
Forestay Tension Aft & Forward	Spreaders 2
Inner Stay None Fitted	Runners 0
Carbon Mast No	Jumper Struts None
Taper Hollows No	Jib Furler No
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 13.045	E 4.800 MDT1 0.125 MW 0.185
IG 13.720	J 4.210 MDL1 0.185 GO 0.198
ISP 14.800	SFJ 0.100 MDT2 0.125 BD 0.225
BAS 1.500	SPL 4.200 MDL2 0.157 MWT 145.00
FSP 0.076	TPS 5.460 TL 0.670 MCG 4.865

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 02/06/2018		SG 1.0030	
FFM 1.255	FF 1.260	SFFP 0.000	
FAM 0.619	FA 0.627	SAFP 10.300	
W1 68.0	PD1 596.1	WD 11.885	
W2 68.0	PD2 598.4	GSA 1.0	
W3 68.0	PD3 599.3	RSA 1.0	
W4 68.0	PD4 600.0	PLM 9000.0	
LCF from stem on CL / on sheer		5.606 / 5.833	
Maximum beam station from stem		7.304	
RM Measured		106.3kg-m	
RM Default		114.1kg-m	
Limit of positive stability / Stab.Index		118.0° / 115.1	
Freeboard at mast at 4.310		1.222	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.380		
Type Folding 2 blades	PBW 0.120		
Twin Screw	PIPA 0.0039		
ST1 0.065	ST3 0.180	ST5 0.350	
ST2 0.180	ST4 0.110	EDL 1.000	

Certificate	
Number 040/19	
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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.360	1.05	1.75	2.97	3.93	36.62	37.32	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.50	14.50	14.50	7.68	7.55	92.49		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL				
	15.17	13.77	14.47	7.70	7.50	92.37		AS · (SFL + 4·SHW) / 6	

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.10	0.72	1.35	2.43	3.37	4.40	13.66	31.89			15/08/2016	Unknow	Jib 2
0.10	0.76	1.43	2.45	3.39	4.36	13.53	31.87			19/02/2019	Unknow	Jib 1
0.11	0.73	1.39	2.46	3.40	4.40	13.38	31.53			19/02/2019	Unknow	Jib Top
0.09	0.71	1.34	2.42	3.35	4.35	13.47	31.20			19/02/2019	Unknow	Jib 2
0.09	0.76	1.39	2.41	3.37	4.32	13.21	30.75			19/02/2019	Unknow	16 Jib 1
0.10	0.58	1.11	2.17	3.24	4.32	13.66	29.75			16/08/2016	Unknow	Jib 3
0.10	0.54	1.01	1.96	2.93	4.00	11.35	22.56			15/08/2016	Unknow	Jib 4
0.04					3.81	10.70	20.58			15/08/2019	Unknow	Staysail
0.04					2.39	6.50	7.89			15/08/2016	Unknow	Storm jib

MEASUREMENT INVENTORY				
Measurer 134				
Date 02/06/2018				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
M	Engine	VOLVO PENTA	20 HP	
Id	Item	Weight Description		

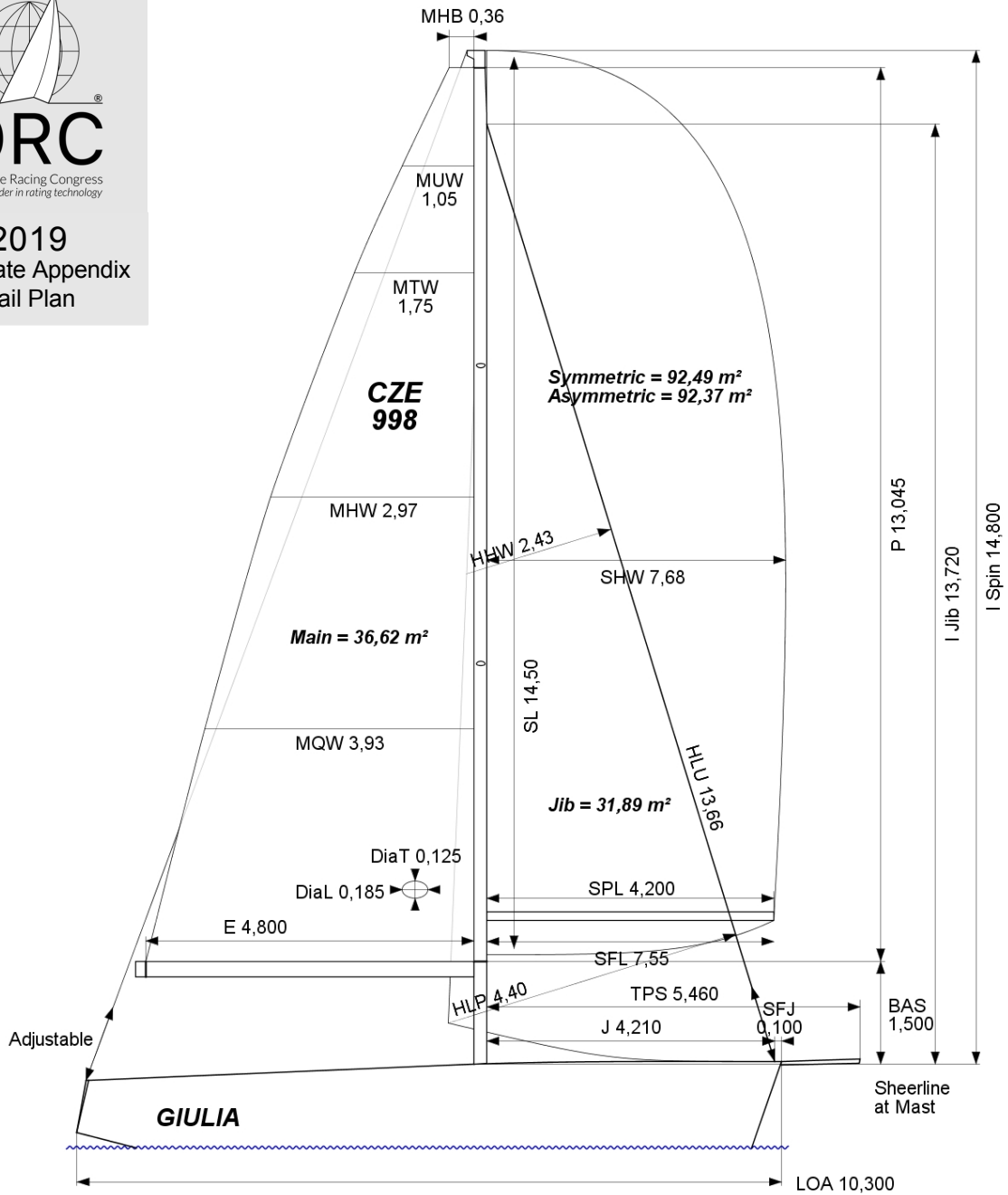
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
F	Tank	DIESEL	PVC	60.0	7.58		20.0
W	Tank	WATER	PVC	110.0	4.10		0.0
Id	Item	Weight	Distance	VCG Description			
A	Battery	42.0	4.70	2 x 70 Ah			
B	Misc	7.90		BOILER 20 L - EMPTY			
W	Misc	8.40		WEBASTO			



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.36	1.05	1.75	2.97	3.93	36.62		16/08/2019	One Sails	Unknown	
1	0.36	1.03	1.75	2.97	3.93	36.59		19/02/2019	One Sails	Unknown	

HEADSAILS (9)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.10	0.72	1.35	2.43	3.37	4.40	13.66	105%	31.89				15/08/2016	Vrestal	Unknown	Jib 2
2	0.10	0.76	1.43	2.45	3.39	4.36	13.53	104%	31.87				19/02/2019	Vrestal	Unknown	Jib 1
7	0.11	0.73	1.39	2.46	3.40	4.40	13.38	105%	31.53				19/02/2019	Vrestal	Unknown	Jib Top
3	0.09	0.71	1.34	2.42	3.35	4.35	13.47	103%	31.20				19/02/2019	Vrestal	Unknown	Jib 2
1	0.09	0.76	1.39	2.41	3.37	4.32	13.21	103%	30.75				19/02/2019	Vrestal	Unknown	16 Jib 1
5	0.10	0.58	1.11	2.17	3.24	4.32	13.66	103%	29.75				16/08/2016	Vrestal	Unknown	Jib 3
6	0.10	0.54	1.01	1.96	2.93	4.00	11.35	95%	22.56				15/08/2016	Vrestal	Unknown	Jib 4

SYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S1	14.50	14.50	14.50	7.68	7.55	92.49		16/08/2016	ONE SAILS	Nylon	
S2	14.50	14.50	14.50	7.67	7.55	92.39		16/08/2016	ONE SAILS	Nylon	

ASYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	15.17	13.77	14.47	7.70	7.50	92.37	asym			Vrestal	Unknown	A1
2	15.36	13.69	14.52	5.64	7.50	72.78	asym			Vrestal	Unknown	A0