

BOAT Name VICHINGO Sail Nr 17261	GPH 612.6	HULL Length Overall 10.300m Maximum Beam 3.536m Displacement 4,812kg Draft 1.913m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.111% Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class ITALIA 998 F Designer POLLI Builder ITALIA YACHTS Series 09/2014 Age 11/2016 Age Allowance 0.195% Offset File IY998MP.off - 04/11/2015 14:00:04 Measurement by - 12/03/2018		IMSLS 9.465m VCGD 0.112m Sink 18.06kg/mm RL 8.317m VCGM 0.095m WS 23.93m² LSM0 9.204m Displacement/Length ratio 6.1716



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	599.9			675.8		
Time on Time	1.0001			0.9989		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	694.6	544.8	488.8	908.7	676.0	595.8
Time on Time	0.9718	1.2391	1.3808	0.7428	0.9985	1.1329

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1066.9	882.6	779.3	732.2	716.5	711.2	704.7
52°	692.1	583.2	529.1	506.4	498.0	494.6	491.3
60°	650.5	554.9	513.1	493.4	483.2	478.8	476.5
75°	591.0	516.3	492.2	480.5	465.9	454.3	446.3
90°	565.5	501.5	474.6	457.1	445.0	435.8	417.8
110°	580.7	505.8	473.5	447.8	423.9	405.0	381.7
120°	607.9	512.3	476.2	446.3	420.2	403.6	366.3
135°	687.6	548.9	493.7	464.1	435.0	407.9	349.9
150°	810.9	648.8	546.6	499.4	476.6	453.6	400.0
Run VMG	936.4	749.2	631.2	574.8	524.7	491.0	443.2

Certificate
Number **US6442**
ORC Ref **03410000HU7**
Issued On **06/05/2020**
VPP Ver. **2020 1.01**
Valid until **31/12/2020**

Crew Weight
Default 612kg
Maximum **680kg**
Minimum* **510kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **659.0 0.9105**
Non Spin OSN **639.7 0.9379**

Selected Courses							
Windward / Leeward	1001.6	815.9	705.2	653.5	620.6	601.1	573.9
Circular Random	835.8	678.3	594.8	546.9	517.5	497.8	470.5
Coastal / Long Distance	995.1	763.6	635.5	567.4	529.9	501.2	449.1
Non Spinnaker	920.7	737.6	638.4	580.4	544.7	521.6	492.7

Sails Limitations
Headsails **5** Spinnakers **4**

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	43.5°	42.0°	41.3°	40.1°	40.5°	40.3°	40.5°
Beat VMG	3.37	4.08	4.62	4.92	5.02	5.06	5.11
52°	5.20	6.17	6.80	7.11	7.23	7.28	7.33
60°	5.53	6.49	7.02	7.30	7.45	7.52	7.56
75°	6.09	6.97	7.31	7.49	7.73	7.92	8.07
90°	6.37	7.18	7.59	7.88	8.09	8.26	8.62
110°	6.20	7.12	7.60	8.04	8.49	8.89	9.43
120°	5.92	7.03	7.56	8.07	8.57	8.92	9.83
135°	5.24	6.56	7.29	7.76	8.28	8.82	10.29
150°	4.44	5.55	6.59	7.21	7.55	7.94	9.00
Run VMG	3.84	4.81	5.70	6.26	6.86	7.33	8.12
Gybe Angles	144.0°	148.0°	148.0°	151.0°	180.0°	180.0°	180.0°

Class Division Length
CDL = **8.886**

Storm Sails Areas
Heavy Weather Jib **25.63**
Storm Jib (JL=8.96) **9.50**
Storm Trysail **10.86**

Owner

BOAT	
Name VICHINGO	Sail Nr 17261
File US6442	Data in meters/kilograms

RIG	
Forestay Tension Aft & Forward	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 13.000	E 4.770 MDT1 0.125 MW 0.185
IG 13.728	J 4.190 MDL1 0.185 GO 0.200
ISP 14.823	SFJ 0.100 MDT2 0.125 BD 0.220
BAS 1.518	SPL 4.190 MDL2 0.156 MWT 143.40
FSD 0.038	TPS 5.468 TL 0.770 MCG 5.030

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 12/03/2018		SG 1.0240	
FFM 1.255	FF 1.255	SFFP 0.000	
FAM 0.607	FA 0.607	SAFP 10.300	
W1 69.4	PD1 555.1	WD 11.060	
W2 69.4	PD2 556.9	GSA 1.0	
W3 69.4	PD3 554.3	RSA 1.0	
W4 69.4	PD4 558.1	PLM 9000.0	
LCF from stem on CL / on sheer		5.638 / 5.868	
Maximum beam station from stem		7.304	
RM Measured		108.7kg-m	
RM Default		117.1kg-m	
Limit of positive stability / Stab.Index		116.8° / 114.7	
Freeboard at mast at 4.290		1.210	



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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 No	PIPA 0.0039		
ST1 0.065	ST3 0.180	ST5 0.350	
ST2 0.180	ST4 0.110	EDL 1.000	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.36	1.04	1.74	2.98	3.95	36.50	37.22	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	93.67		SL · (SFL + 4·SHW) / 6	
	14.64	14.64	14.64	7.73	7.47				
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	130.35		AS · (SFL + 4·SHW) / 6	
	16.90	14.90	15.90	9.88	9.67				

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	Flying	Meas.Date	Material	Comment
0.10	0.76	1.41	2.48	3.44	4.43	13.54	32.24	N	No	12/03/2018	Unknow	
0.10	0.74	1.37	2.45	3.42	4.46	13.61	32.20	Y	No	10/03/2017	Carbon	J2
0.16	0.67	1.20	2.22	3.22	4.32	13.21	29.24	Y	No	10/03/2017	Carbon	J3
0.12	0.70	1.27	2.28	2.33	4.34	13.79	28.17		No	12/07/2019	Unknow	Fusion MR5300 JIB

MEASUREMENT INVENTORY				
Measurer 149				
Date 12/03/2018				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Weight Description		

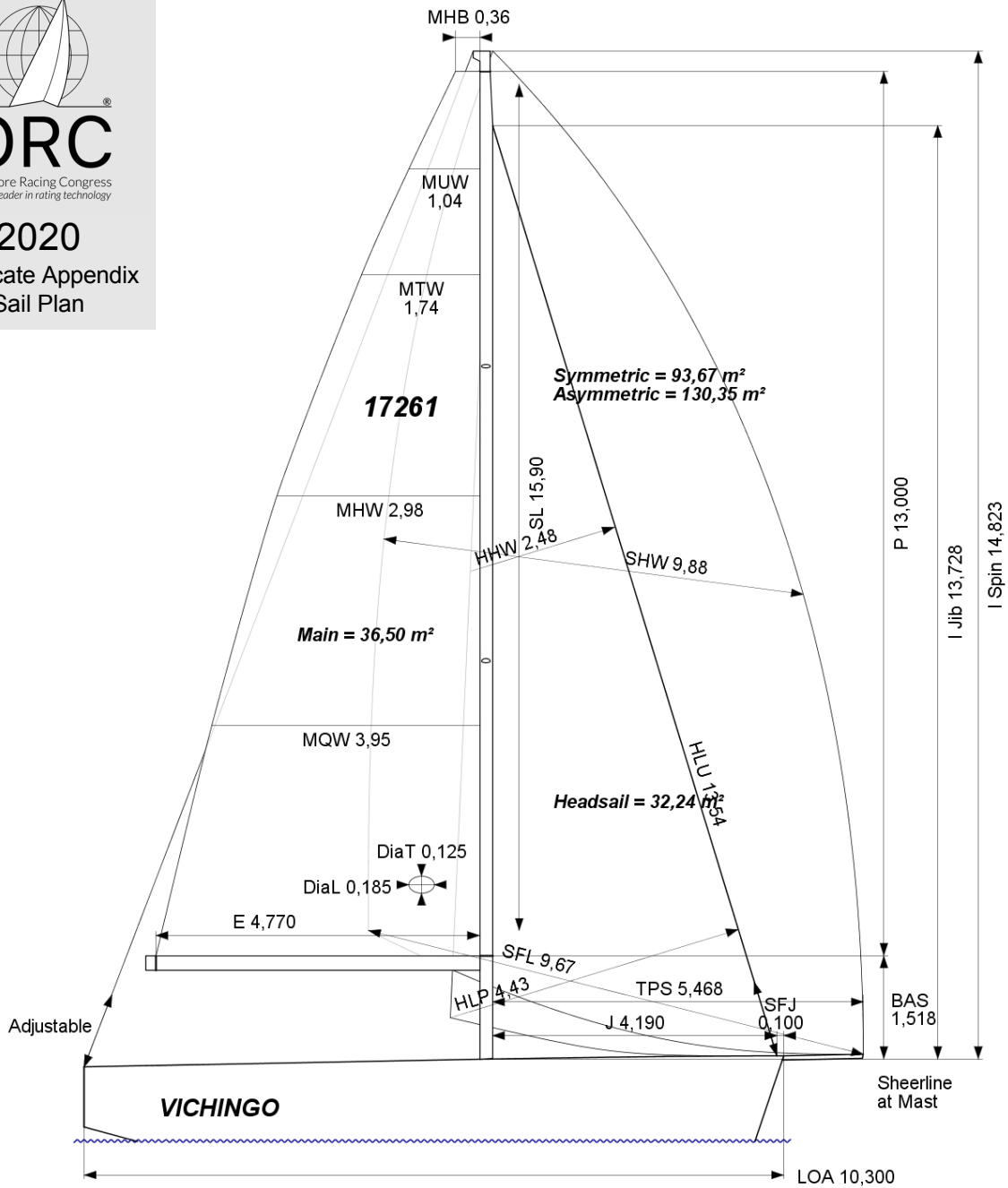
MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.36	1.04	1.74	2.98	3.95	36.50		10/03/2017	QUANTUM	Carbon	misura massima
2020 Main	0.27	1.06	1.77	2.92	3.91	36.21			Quantum	Unknown	

HEADSAILS (4)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
D	0.10	0.76	1.41	2.48	3.44	4.43	13.54	106%	32.24	N	No		12/03/2018			Unknow
B	0.10	0.74	1.37	2.45	3.42	4.46	13.61	106%	32.20	Y	No		10/03/2017	QUANTUM	Carbon	J2
A	0.16	0.67	1.20	2.22	3.22	4.32	13.21	103%	29.24	Y	No		10/03/2017	QUANTUM	Carbon	J3
2020 JIB	0.12	0.70	1.27	2.28	2.33	4.34	13.79	104%	28.17		No		12/07/2019	Quantum	Unknow	Fusion MR5300 JIB

SYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
B	14.64	14.64	14.64	7.73	7.47	93.68		10/03/2017	QUANTUM	Nylon	S1,5
A	14.51	14.51	14.51	7.76	7.54	93.30		10/03/2017	QUANTUM	Nylon	S2

ASYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
2020 A2	16.90	14.90	15.90	9.88	9.67	130.36	asym			Quantum	Unknown	
2020 A0	15.32	14.45	14.89	6.75	8.99	89.29	asy76			Quantum	Unknown	