

BOAT Name MAS-QUE-NADA Sail Nr ITA-3005	GPH 602.1	HULL Length Overall 9.435m Maximum Beam 3.038m Displacement 2,324kg Draft 2.140m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension IMSL 8.915m VCGD -0.327m Sink 11.94kg/mm RL 8.941m VCGM -0.278m WS 16.23m² LSM0 8.678m Displacement/Length ratio 3.5561
GENERAL Class FARR 30 Designer FARR Builder OVINGTON MARINE Series 01/1996 Age 01/1996 Age Allowance 0.487% Offset File I3005.off - 29/03/2017 18:02:14 Measurement by - 20/04/2019		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	587.3			657.5		
Time on Time	1.0217			1.0266		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	677.0	539.1	475.6	871.6	660.5	580.3
Time on Time	0.9970	1.2522	1.4192	0.7744	1.0220	1.1632

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	962.7	797.8	728.7	706.2	696.9	684.0	680.6
52°	637.0	548.1	521.1	510.7	505.2	501.8	491.9
60°	603.2	533.6	508.6	495.1	487.5	483.0	469.5
75°	578.1	523.2	495.6	472.6	457.2	448.8	439.1
90°	585.5	520.9	489.0	464.3	439.0	419.6	400.8
110°	599.0	517.6	479.0	442.4	414.0	395.7	367.3
120°	619.8	524.8	484.9	444.6	409.1	375.8	337.6
135°	692.7	560.5	509.2	471.7	432.0	392.2	317.8
150°	828.5	666.4	560.7	509.4	474.9	438.8	366.2
Run VMG	956.6	769.5	646.9	573.6	524.2	491.0	425.4

Certificate
Number **30051**
ORC Ref **ITA00052739**
Issued On **23/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **562kg**
Maximum **540kg**
Minimum* **405kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Double H.GPH **620.0 0.9678**
Double H.OSN **608.1 0.9867**
Non Spin GPH **633.6 0.9470**
Non Spin OSN **616.9 0.9726**

Selected Courses							
Windward / Leeward	959.7	783.7	687.8	639.9	610.5	587.5	553.0
Circular Random	817.4	666.0	585.6	538.3	507.5	485.2	452.3
Coastal / Long Distance	959.4	739.2	625.0	561.7	522.7	486.4	429.1
Non Spinnaker	873.4	705.3	615.1	562.0	528.0	504.2	471.0

Sails Limitations
Headsails **5** Spinnakers **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	41.7°	40.4°	37.7°	36.8°	36.5°	35.8°	35.9°
Beat VMG	3.74	4.51	4.94	5.10	5.17	5.26	5.29
52°	5.65	6.57	6.91	7.05	7.13	7.17	7.32
60°	5.97	6.75	7.08	7.27	7.38	7.45	7.67
75°	6.23	6.88	7.26	7.62	7.87	8.02	8.20
90°	6.15	6.91	7.36	7.75	8.20	8.58	8.98
110°	6.01	6.96	7.52	8.14	8.70	9.10	9.80
120°	5.81	6.86	7.42	8.10	8.80	9.58	10.66
135°	5.20	6.42	7.07	7.63	8.33	9.18	11.33
150°	4.35	5.40	6.42	7.07	7.58	8.20	9.83
Run VMG	3.76	4.68	5.57	6.28	6.87	7.33	8.46
Gybe Angles	140.1°	146.7°	150.6°	159.8°	180.0°	180.0°	180.0°

Class Division Length
CDL = **8.929**

Storm Sails Areas
Heavy Weather Jib **18.28**
Storm Jib (JL=7.57) **6.77**
Storm Trysail **9.29**

Owner

BOAT	
Name MAS-QUE-NADA	Sail Nr ITA-3005
File I3005	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 20/04/2019		SG 1.0050	
FFM 1.040	FF 1.045	SFFP 0.222	
FAM 0.755	FA 0.759	SAFP 8.685	
W1 33.0	PD1 534.7	WD 10.290	
W2 33.0	PD2 534.5	GSA 1.0	
W3 33.0	PD3 537.2	RSA 1.0	
W4 33.0	PD4 538.9	PLM 9000.0	
LCF from stem on CL / on sheer		5.325 / 5.516	
Maximum beam station from stem		5.825	
RM Measured		49.9kg·m	
RM Default		53.6kg·m	
Limit of positive stability / Stab.Index		128.0° / 121.9	
Freeboard at mast at 3.400		0.942	



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RIG			
Forestay Tension Aft	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 11.950	E 4.440	MDT1 0.087	MW 0.145
IG 11.635	J 3.305	MDL1 0.145	GO 0.145
ISP 11.685	SFJ 0.095	MDT2 0.067	BD 0.130
BAS 1.265	SPL 3.300	MDL2 0.107	MWT 66.80
FSP 0.050	TPS 4.270	TL 1.980	MCG 4.758

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.354		
Type Folding 2 blades	PBW 0.096		
Twin Screw No	PIPA 0.0031		
ST1 0.042	ST3 0.180	ST5 0.236	
ST2 0.180	ST4 0.112	EDL 1.050	

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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	
	0.420	1.16	1.97	3.13	3.94	34.21	35.32	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	12.24	12.24	12.24	6.66	6.33	67.26		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL				
	12.80	10.98	11.89	4.28	5.66	45.14		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	0.55	1.02	1.84	2.61	3.34	11.62	20.73			25/03/2019	Carbon	
0.10	0.52	0.98	1.79	2.59	3.32	11.48	20.15	Y	N	21/10/2017	Unknow	J2
0.10	0.51	0.98	1.79	2.57	3.33	11.50	20.14	Y	N	21/10/2017	Unknow	J1

MEASUREMENT INVENTORY				
Measurer 134				
Date 20/04/2019				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	VOLVO	9 HP	
Id	Item	Weight Description		

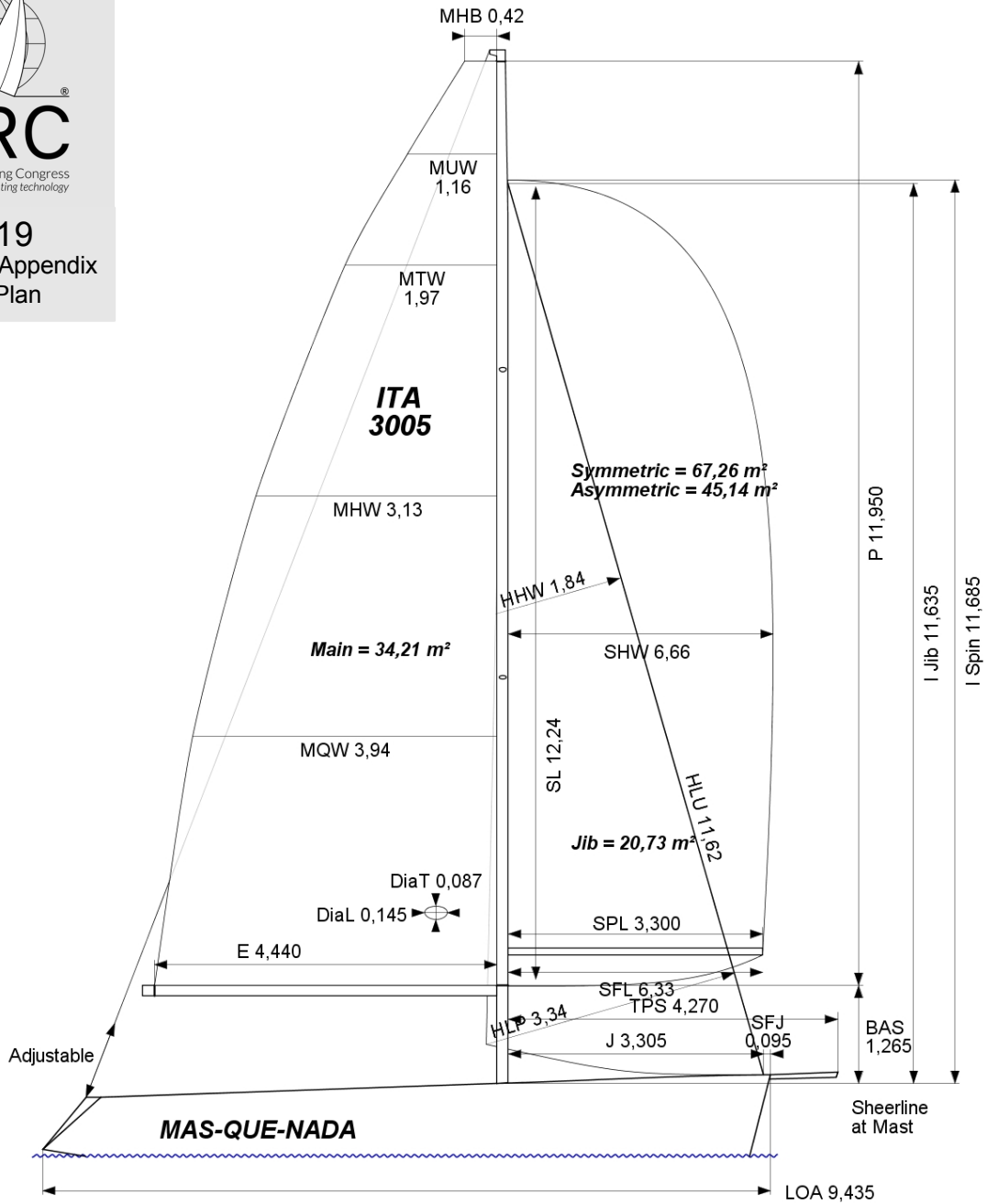
MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
A	Tank	FUEL	PVC	25.0	6.55	7-0 L
B	Tank	WATER	OTRE	20.0	4.30	0-0 VUOTO
Id	Item	Weight	Distance	VCG Description		
A	Ballast	36.0	5.42	5 + 1 PANI Pb SX		
B	Ballast	36.2	5.39	5 + 2 PANI Pb DX		
A	Battery	40.0	6.18	2 x 70 Ah		



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
B	0.42	1.16	1.97	3.13	3.94	34.22		21/10/2017	ONE	Unknown	

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.10	0.55	1.02	1.84	2.61	3.34	11.62	101%	20.73				25/03/2019	ONE	Carbon	
C	0.10	0.52	0.98	1.79	2.59	3.32	11.48	100%	20.15	Y	N		21/10/2017	ONE S.	Unknow	J2
D	0.10	0.51	0.98	1.79	2.57	3.33	11.50	101%	20.14	Y	N		21/10/2017	ONE S.	Unknow	J1

SYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	12.24	12.24	12.24	6.66	6.33	67.26		28/03/2017	ONESAIL	Nylon	S2
B	12.23	12.23	12.23	6.56	6.58	66.90		28/03/2017	ONESAIL	Nylon	S1.5

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A	12.80	10.98	11.89	4.28	5.66	45.15	asym		25/03/2019	Onesails	Nylon	