

BOAT Name MP30+10 Sail Nr ITA-40102	GPH 532.2	HULL Length Overall 12.411m Maximum Beam 3.956m Displacement 5,311kg Draft 2.608m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension IMSL 11.328m VCGD -0.195m Sink 21.43kg/mm RL 11.132m VCGM -0.209m WS 28.28m² LSM0 11.068m Displacement/Length ratio 3.9171
GENERAL Class FARR 40 Designer FARR Builder CARROLL Series 05/1997 Age 05/1998 Age Allowance 0.487% Offset File FARR40.OD.OFF - 13/05/2015 19:45:08 Measurement by - 22/05/2019		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	519.3			581.1		
Time on Time	1.1554			1.1615		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	594.2	477.2	424.5	764.4	585.2	513.1
Time on Time	1.1360	1.4146	1.5900	0.8830	1.1534	1.3156

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	867.1	713.8	654.6	632.9	622.4	606.8	603.8
52°	570.4	484.7	461.3	452.8	448.2	442.9	435.9
60°	538.9	470.0	448.9	439.5	433.7	430.0	417.9
75°	514.7	460.2	436.1	418.5	408.5	402.2	391.1
90°	518.2	460.1	433.8	409.4	389.9	376.8	364.0
110°	519.2	451.4	424.5	406.3	389.7	373.4	335.9
120°	533.7	454.7	419.6	392.4	374.4	358.6	325.0
135°	596.9	480.4	438.7	403.8	369.6	336.4	292.7
150°	711.5	567.5	484.7	443.0	412.9	381.4	314.9
Run VMG	821.5	655.3	559.7	504.8	467.0	435.7	363.7

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Number **401021**
ORC Ref **ITA00052747**
Issued On **23/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **796kg**
Maximum **772kg**
Minimum* **579kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Double H.GPH **545.2 1.1005**
Double H.OSN **535.0 1.1214**
Non Spin GPH **568.2 1.0560**
Non Spin OSN **555.2 1.0807**

Selected Courses							
Windward / Leeward	844.3	684.5	607.1	568.9	544.7	521.3	483.7
Circular Random	720.1	587.2	517.5	477.2	451.3	432.3	404.1
Coastal / Long Distance	842.0	645.3	550.9	497.8	466.1	436.4	386.8
Non Spinnaker	785.3	633.2	551.4	503.1	472.1	450.6	421.8

Sails Limitations
Headsails **6** 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	42.5°	40.9°	38.5°	37.3°	37.2°	36.3°	36.6°
Beat VMG	4.15	5.04	5.50	5.69	5.78	5.93	5.96
52°	6.31	7.43	7.80	7.95	8.03	8.13	8.26
60°	6.68	7.66	8.02	8.19	8.30	8.37	8.62
75°	6.99	7.82	8.26	8.60	8.81	8.95	9.20
90°	6.95	7.82	8.30	8.79	9.23	9.56	9.89
110°	6.93	7.97	8.48	8.86	9.24	9.64	10.72
120°	6.74	7.92	8.58	9.17	9.62	10.04	11.08
135°	6.03	7.49	8.21	8.92	9.74	10.70	12.30
150°	5.06	6.34	7.43	8.13	8.72	9.44	11.43
Run VMG	4.38	5.49	6.43	7.13	7.71	8.26	9.90
Gybe Angles	142.5°	144.2°	149.5°	156.9°	171.4°	180.0°	143.4°

Class Division Length
CDL = **11.231**

Storm Sails Areas
Heavy Weather Jib **35.43**
Storm Jib (JL=10.53) **13.13**
Storm Trysail **17.21**

Owner

BOAT	
Name MP30+10	Sail Nr ITA-40102
File I40102	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners 0
Carbon Mast Yes	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 16.660	E 5.900 MDT1 0.121 MW 0.240
IG 16.179	J 4.705 MDL1 0.240 GO 0.246
ISP 18.275	SFJ 0.000 MDT2 0.090 BD 0.225
BAS 1.688	SPL 5.200 MDL2 0.104 MWT 176.70
FSP 0.068	TPS 6.215 TL 1.993 MCG 5.497

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 22/05/2019		SG 1.0300	
FFM 1.326	FF 1.324	SFFP 0.152	
FAM 1.013	FA 1.014	SAFP 11.954	
W1 86.0	PD1 572.4	WD 13.980	
W2 86.0	PD2 572.0	GSA 1.0	
W3 86.0	PD3 573.4	RSA 1.0	
W4 86.0	PD4 572.9	PLM 9000.0	
LCF from stem on CL / on sheer		6.842 / 7.099	
Maximum beam station from stem		8.199	
RM Measured		165.3kg-m	
RM Default		168.3kg-m	
Limit of positive stability / Stab.Index		125.7° / 122.3	
Freeboard at mast at 4.705		1.185	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.407		
Type Folding 2 blades	PBW		
Twin Screw No	PIPA 0.0036		
ST1 0.042	ST3 0.180	ST5 0.268	
ST2 0.180	ST4 0.112	EDL 7.020	

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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	
	0.190	1.43	2.54	4.13	5.13	61.96	63.73	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	18.41	18.41	18.41	10.26	9.94	156.42		SL · (SFL + 4·SHW) / 6	
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL				
	20.20	17.96	19.08	10.92	10.42	172.04		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	0.66	1.28	2.47	3.65	4.81	16.00	39.28	Y	N	03/05/2019	Unknow	
0.08	0.67	1.29	2.46	3.61	4.81	16.00	39.12	Y	N	22/05/2019	Unknow	
0.08	0.60	1.16	2.32	3.54	4.83	16.00	37.94	Y	N	03/05/2019	Unknow	

MEASUREMENT INVENTORY				
Measurer 110				
Date 22/05/2019				
Comment tangoni in LCF				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	YANMAR	27 HP	
Id	Item	Weight Description		

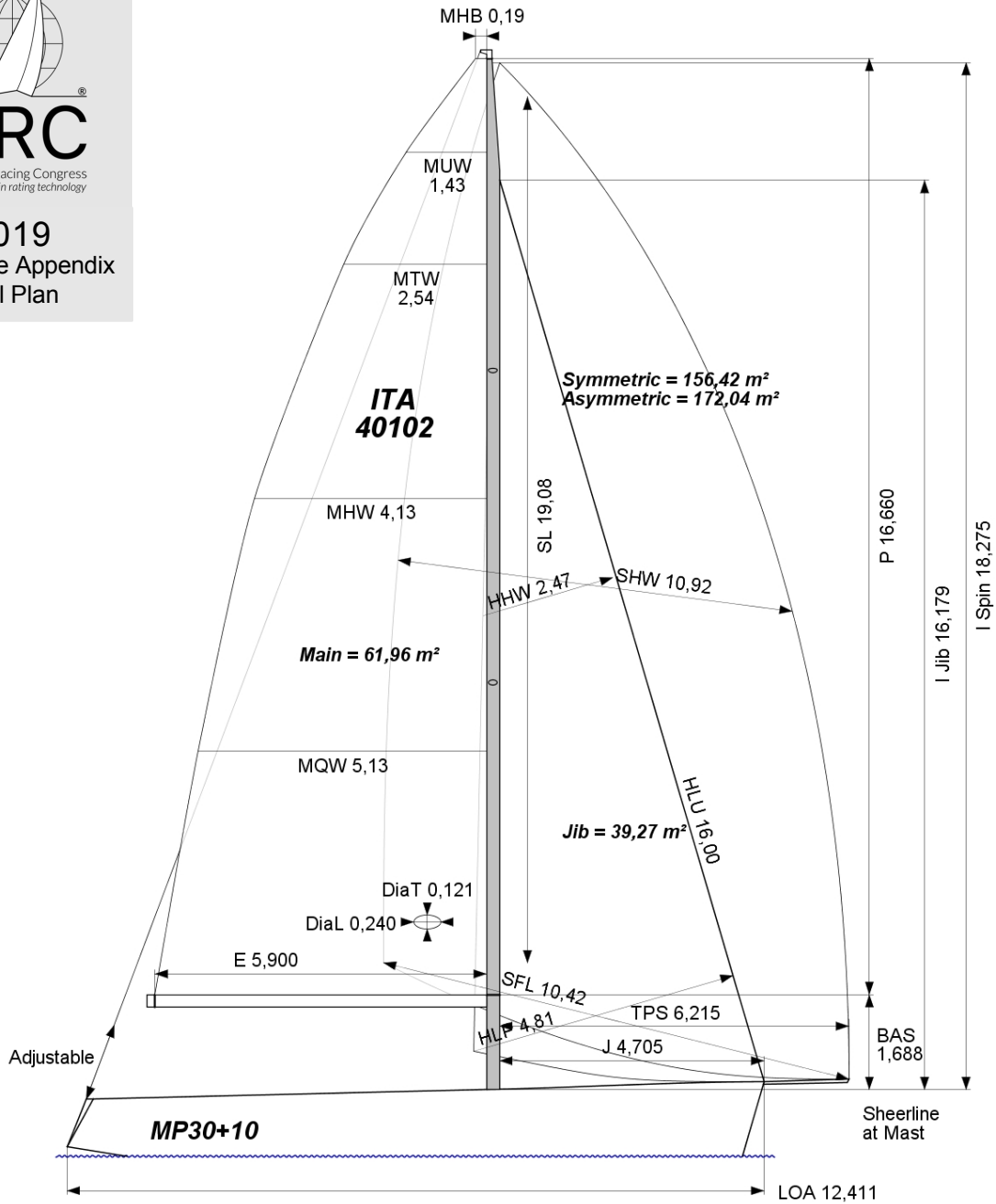
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
B	Tank	DIESEL	INOX	80.0	8.68	0.00	15.0 L
A	Tank	ACQUA	PVC	160.0	6.10	0.00	0.0 VUOTO
Id	Item	Weight	Distance	VCG Description			
A	Ballast	117.0	7.76	0.00 PANI DI PIOMBO			
A	Battery	65.0	6.80	0.00 2 X100 AH			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
G	0.19	1.43	2.54	4.13	5.13	61.97		14/09/2017	NORTH	Unknown						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.10	0.66	1.28	2.47	3.65	4.81	16.00	102%	39.28	Y	N		03/05/2019		Unknown	
C	0.08	0.67	1.29	2.46	3.61	4.81	16.00	102%	39.12	Y	N		22/05/2019		Unknown	
B	0.08	0.60	1.16	2.32	3.54	4.83	16.00	103%	37.94	Y	N		03/05/2019		Unknown	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
C	18.41	18.41	18.41	10.26	9.94	156.43		09/06/2013		Unknown						
H	18.31	18.31	18.31	10.04	10.00	153.08		05/05/2019		Unknown						
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
A	20.20	17.96	19.08	10.92	10.42	172.04	asym		18/07/2018		Unknown					