

BOAT Name TRENT@63 Sail Nr ITA-3063	GPH 596.7	HULL Length Overall 9.435m Maximum Beam 3.038m Displacement 2,452kg Draft 2.153m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Light Carbon Rudder Yes Crew Arm Extension IMSL 8.988m VCGD -0.256m Sink 12.18kg/mm RL 8.839m VCGM -0.221m WS 16.38m² LSM0 8.774m Displacement/Length ratio 3.6302
GENERAL Class FARR 30 Designer FARR Builder OXINGTON MARINE Series 01/1996 Age 01/1998 Age Allowance 0.487% Offset File FARR30.OD.OFF - 24/05/2009 23:54:20 Measurement by - 04/04/2019		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	582.3			648.7		
Time on Time	1.0304			1.0406		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	661.6	537.0	478.5	844.2	652.4	574.8
Time on Time	1.0203	1.2571	1.4108	0.7996	1.0346	1.1744

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	959.3	799.1	733.3	710.2	700.3	686.8	683.9
52°	637.8	549.6	523.3	513.5	508.3	504.9	496.6
60°	605.4	534.7	511.0	499.0	492.2	488.3	476.5
75°	580.7	524.3	498.3	477.9	463.8	456.0	447.8
90°	584.2	524.5	497.0	470.4	446.9	428.8	411.4
110°	574.2	509.5	478.4	458.3	439.6	420.7	382.8
120°	587.0	513.4	474.8	440.8	419.0	401.3	364.7
135°	657.8	540.7	496.6	456.7	416.3	377.5	325.6
150°	776.2	625.2	539.3	498.0	461.5	424.1	348.4
Run VMG	896.3	722.0	619.5	559.6	515.3	482.1	402.3

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Number **30361**
ORC Ref **ITA00051896**
Issued On **19/04/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default 571kg
Maximum **460kg**
Minimum* **345kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	611.3	0.9816
Double H.OSN	599.4	1.0010
Non Spin GPH	635.9	0.9435
Non Spin OSN	619.5	0.9686

Selected Courses							
Windward / Leeward	927.8	760.5	676.4	634.9	607.8	584.5	543.1
Circular Random	801.4	656.6	580.7	536.7	508.2	487.3	455.8
Coastal / Long Distance	924.6	718.3	616.8	559.7	524.0	491.4	436.0
Non Spinnaker	873.7	706.7	617.4	565.2	531.9	508.9	477.4

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	41.6°	40.0°	37.9°	36.7°	36.3°	35.8°	36.4°
Beat VMG	3.75	4.51	4.91	5.07	5.14	5.24	5.26
52°	5.64	6.55	6.88	7.01	7.08	7.13	7.25
60°	5.95	6.73	7.05	7.21	7.31	7.37	7.56
75°	6.20	6.87	7.22	7.53	7.76	7.89	8.04
90°	6.16	6.86	7.24	7.65	8.06	8.40	8.75
110°	6.27	7.07	7.52	7.86	8.19	8.56	9.40
120°	6.13	7.01	7.58	8.17	8.59	8.97	9.87
135°	5.47	6.66	7.25	7.88	8.65	9.54	11.06
150°	4.64	5.76	6.68	7.23	7.80	8.49	10.33
Run VMG	4.02	4.99	5.81	6.43	6.99	7.47	8.95
Gybe Angles	143.3°	146.4°	153.6°	161.9°	180.0°	180.0°	147.1°

Class Division Length
CDL = **8.914**

Storm Sails Areas

Heavy Weather Jib	18.21
Storm Jib (JL=7.55)	6.75
Storm Trysail	9.61

Owner

BOAT	
Name TRENT@63	Sail Nr ITA-3063
File I3063	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 12.310	E 4.460 MDT1 0.087 MW 0.146
IG 11.612	J 3.305 MDL1 0.146 GO 0.146
ISP 13.562	SFJ 0.093 MDT2 0.064 BD 0.134
BAS 1.222	SPL 4.136 MDL2 0.105 MWT
FSP 0.054	TPS 4.298 TL 2.000 MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 18/08/2015		SG 1.0230	
FFM 1.028	FF 1.028	SFFP 0.222	
FAM 0.746	FA 0.749	SAFP 8.685	
W1 32.0	PD1 542.6	WD 10.845	
W2 32.0	PD2 542.7	GSA 1.0	
W3 32.0	PD3 543.1	RSA 1.0	
W4 32.0	PD4 546.4	PLM 9000.0	
LCF from stem on CL / on sheer		5.343 / 5.532	
Maximum beam station from stem		5.825	
RM Measured		50.3kg-m	
RM Default		54.9kg-m	
Limit of positive stability / Stab.Index		125.1° / 119.2	
Freeboard at mast at 3.398		0.928	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.356		
Type Folding 2 blades	PBW 0.093		
Twin Screw No	PIPA 0.0032		
ST1 0.042	ST3 0.178	ST5 0.248	
ST2 0.178	ST4 0.114	EDL 1.278	

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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	
	0.210	1.14	2.00	3.11	3.87	34.88	35.95	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	86.92		SL · (SFL + 4·SHW) / 6	
	13.90	13.90	13.90	7.57	7.24				
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	91.57		AS · (SFL + 4·SHW) / 6	
	15.27	13.03	14.15	7.73	7.91				

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
0.07	0.51	0.94	1.79	2.60	3.43	11.58	20.44	Y	N	30/05/2017	Carbon	LIGHT 2
0.08	0.51	0.96	1.79	2.60	3.37	11.59	20.39	N	N	14/04/2013	Unknow	MEDIO 1

MEASUREMENT INVENTORY				
Measurer FIV 132				
Date 18/08/2015				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	YANMAR	1GM10C	
Id	Item	Weight Description		

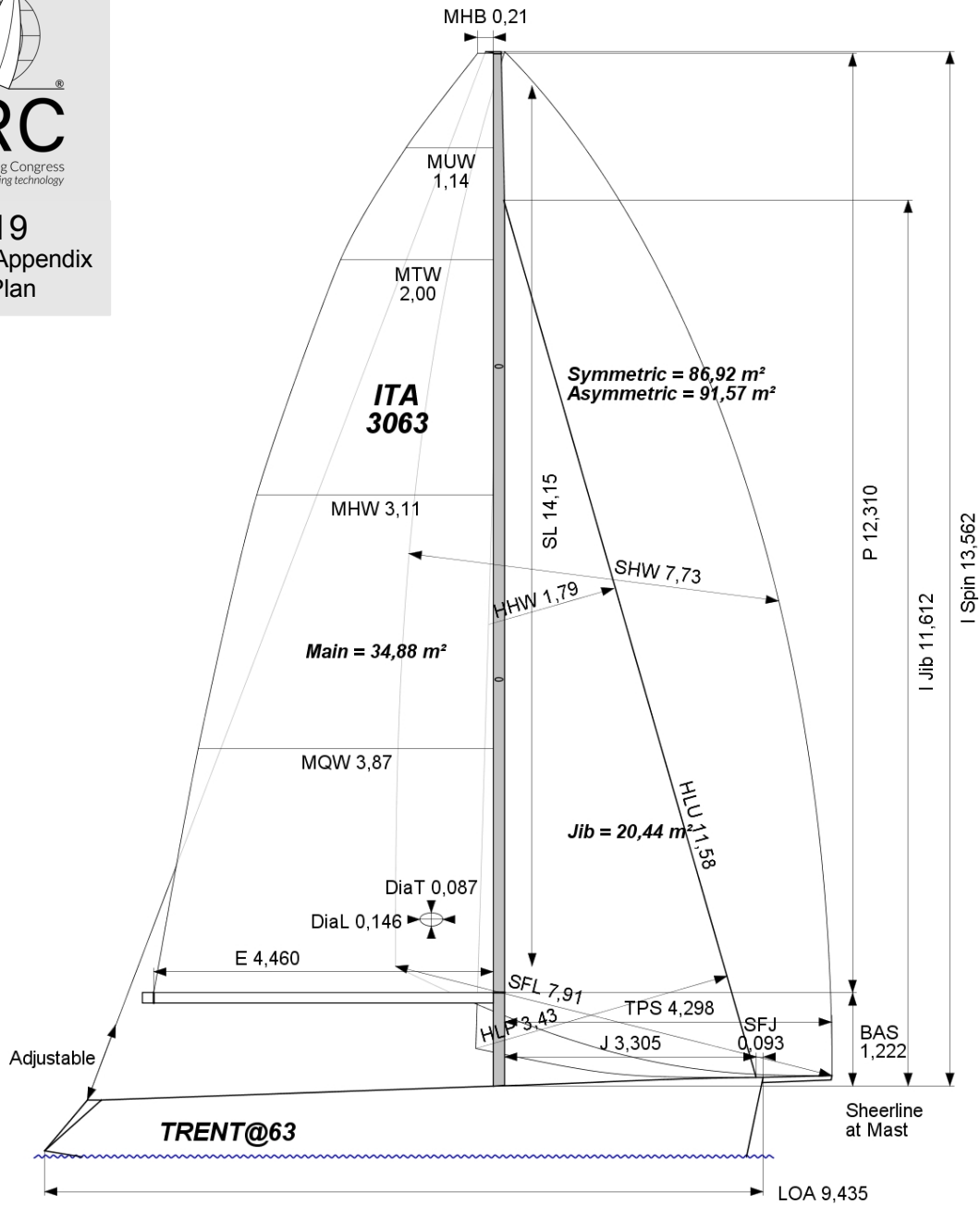
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
A	Tank	WATER	BLADDER	55.0	4.57	0.00	0-0 SX
B	Tank	FUEL	PVC	25.0	6.55	0.00	15.7 L CX
Id	Item	Weight	Distance	VCG Description			
A	Ballast	54.3	4.68	0.00 3 LEAD PIGS STBD			
B	Ballast	56.2	4.68	0.00 3 LEAD PIGS PORT			
A	Battery	17.0	6.20	0.00 70Ah ENGINE CENTRAL			
B	Battery	17.0	6.63	0.00 80Ah SERVICES CENTRAL			
A	Misc	2.1	3.65	0.00 GAS BURNER PORT			
B	Misc	2.0	3.10	0.00 CHEMICAL TOILET PORT			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
C	0.21	1.14	2.00	3.11	3.87	34.88		04/04/2019	EUROSAIL	Unknown	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
D	0.07	0.51	0.94	1.79	2.60	3.43	11.58	104%	20.44	Y	N		30/05/2017	NORTH	Carbon	LIGHT 2
B	0.08	0.51	0.96	1.79	2.60	3.37	11.59	102%	20.39	N	N		14/04/2013	ULLMAN	Unknow	MEDIO 1

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
E	13.90	13.90	13.90	7.57	7.24	86.93		04/04/2019	NORTH	Nylon	
D	12.04	12.04	12.04	7.35	7.02	73.09		17/12/2016	NORTH	Nylon	
C	11.84	11.84	11.84	6.31	5.95	61.55		17/12/2016	OLIMPIC	Nylon	HEAVY

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A	15.27	13.03	14.15	7.73	7.91	91.58	asym		04/04/2019	EUROSAIL	Nylon	