

BOAT Name INCOGNITO Sail Nr 1	GPH 560.9	HULL Length Overall 12.190m Maximum Beam 3.746m Displacement 6,009kg Draft 2.361m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.181% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class J 121 Designer JOHNSTONE Builder CCF COMPOSITES Series 08/2017, CIN 1 Age 08/2017 Age Allowance 0.065% Offset File J121a.OFF - 26/03/2019 13:42:06 Measurement by - 30/11/2017		IMSL 11.634m VCGD -0.197m Sink 23.71kg/mm RL 10.860m VCGM -0.180m WS 30.70m² LSM0 11.443m Displacement/Length ratio 4.0104



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	543.5			612.6		
Time on Time	1.1040			1.1018		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	649.7	494.7	436.9	843.0	612.1	534.3
Time on Time	1.0390	1.3645	1.5450	0.8007	1.1027	1.2634

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	981.7	798.1	690.8	640.8	623.6	615.7	601.0
52°	637.7	529.1	474.1	454.1	446.2	442.1	436.4
60°	599.9	503.5	461.6	443.1	432.9	427.7	422.9
75°	571.5	486.3	452.6	432.4	415.4	403.1	393.1
90°	576.3	475.6	446.1	431.1	411.0	391.2	364.1
110°	564.3	467.8	431.7	405.6	389.6	376.9	349.9
120°	577.8	474.6	435.8	404.6	376.1	356.9	330.1
135°	647.4	515.5	455.4	425.2	394.3	363.5	302.9
150°	769.2	609.7	512.2	459.0	435.3	413.4	353.7
Run VMG	888.1	704.0	591.5	530.0	502.1	473.9	408.5

Certificate
Number **US6377**
ORC Ref **USAX02A9JJS**
Issued On **20/06/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default 834kg
Maximum **834kg**
Minimum* **626kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **606.4 0.9894**
Non Spin OSN **587.7 1.0209**

Selected Courses							
Windward / Leeward	934.9	751.1	641.1	585.4	562.8	544.8	504.7
Circular Random	779.0	625.9	543.7	496.0	466.2	445.5	414.2
Coastal / Long Distance	930.3	704.0	578.9	510.8	476.9	448.1	397.4
Non Spinnaker	861.8	684.4	586.8	528.4	491.6	466.8	434.3

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	43.4°	41.6°	40.8°	38.6°	37.8°	37.7°	36.8°
Beat VMG	3.67	4.51	5.21	5.62	5.77	5.85	5.99
52°	5.64	6.80	7.59	7.93	8.07	8.14	8.25
60°	6.00	7.15	7.80	8.12	8.32	8.42	8.51
75°	6.30	7.40	7.95	8.33	8.67	8.93	9.16
90°	6.25	7.57	8.07	8.35	8.76	9.20	9.89
110°	6.38	7.69	8.34	8.88	9.24	9.55	10.29
120°	6.23	7.58	8.26	8.90	9.57	10.09	10.91
135°	5.56	6.98	7.90	8.47	9.13	9.90	11.89
150°	4.68	5.90	7.03	7.84	8.27	8.71	10.18
Run VMG	4.05	5.11	6.09	6.79	7.17	7.60	8.81
Gybe Angles	143.0°	145.9°	147.7°	151.0°	150.7°	175.0°	143.2°

Class Division Length
CDL = **11.248**

Storm Sails Areas
Heavy Weather Jib **32.15**
Storm Jib (JL=10.04) **11.91**
Storm Trysail **13.50**

Owner

BOAT	
Name INCOGNITO	Sail Nr 1
File US6377	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 Yes
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 15.240	E 5.060 MDT1 0.115 MW 0.237
IG 15.432	J 4.660 MDL1 0.236 GO 0.237
ISP 17.001	SFJ 0.110 MDT2 0.114 BD 0.198
BAS 1.532	SPL 0.168 MDL2 0.168 MWT 203.21
FSP 0.000	TPS 7.085 TL 2.650 MCG 6.244

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 30/11/2017		SG 1.0150	
FFM 1.316	FF 1.319	SFFP 1.000	
FAM 0.915	FA 0.917	SAFP 12.144	
W1 106.3	PD1 523.1	WD 12.250	
W2 106.3	PD2 523.1	GSA 1.0	
W3 106.3	PD3 523.1	RSA 1.0	
W4 106.3	PD4 523.1	PLM 9000.0	
LCF from stem on CL / on sheer		6.796 / 7.042	
Maximum beam station from stem		7.924	
RM Measured		196.0kg-m	
RM Default		167.7kg-m	
Limit of positive stability / Stab.Index		121.3° / 121.8	
Freeboard at mast at 4.770		1.146	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.440		
Type Folding 2 blades	PBW 0.115		
Twin Screw No	PIPA 0.0035		
ST1 0.040	ST3 0.180	ST5 0.240	
ST2 0.180	ST4 0.110	EDL 2.240	

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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	
	0.130	1.07	1.92	3.27	4.22	45.82	46.67	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	AS · (SFL + 4·SHW) / 6		
	19.32	15.42	17.37	10.42	10.32	150.54			

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	0.74	1.37	2.58	3.80	5.00	15.83	40.66					LIGHT JIB

MEASUREMENT INVENTORY				
Measurer	Date	Comment		
Id	Item	Weight	Distance	VCG Description
a	Ancher	0.0	0.00	
Id	Item	Weight	Description	

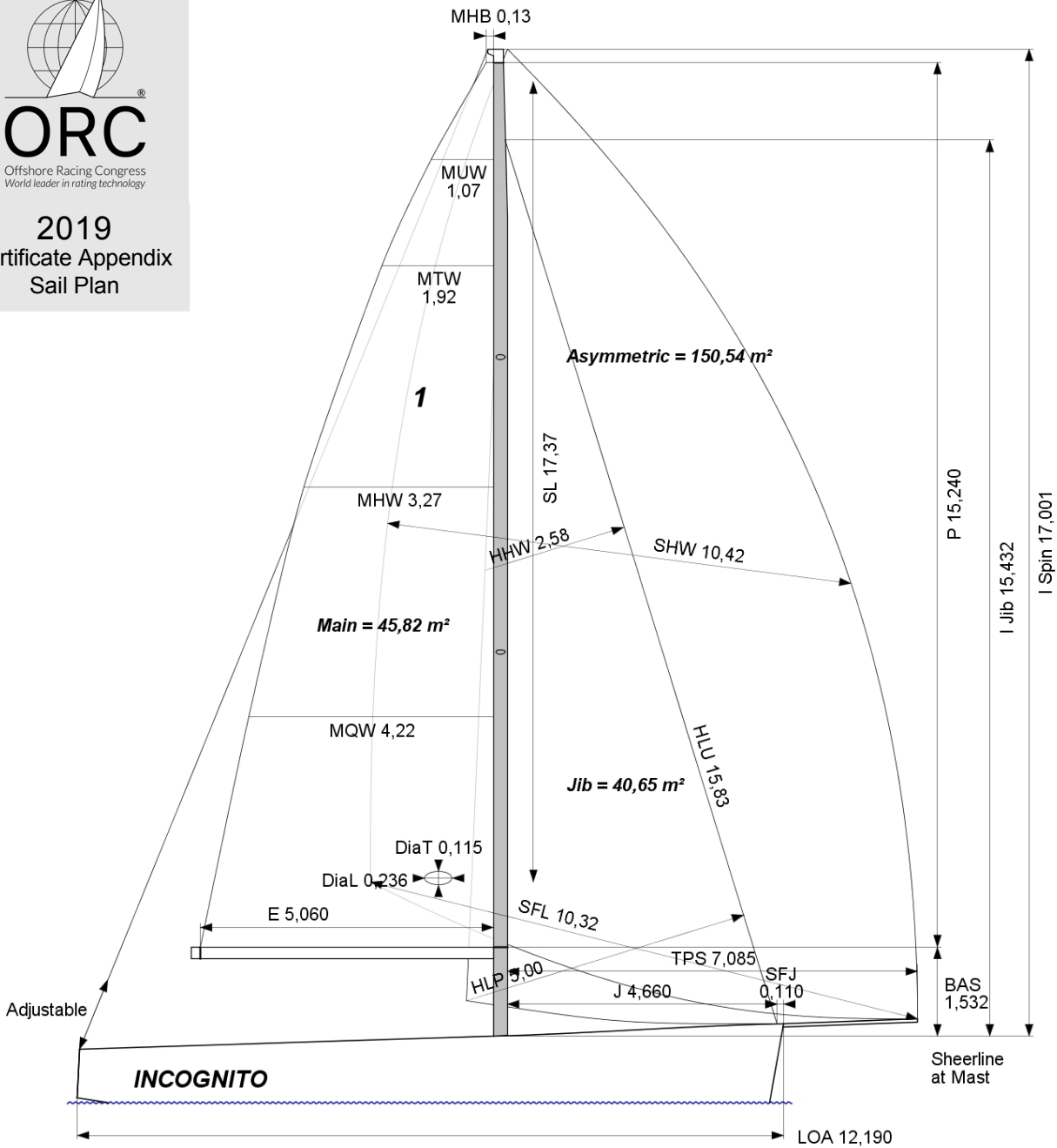
MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
	Tank					0.00	0.00	0.0	
Id	Item	Weight	Distance	VCG	Description				



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Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2574606	0.13	1.07	1.92	3.27	4.22	45.83			NICK		2019 PINHEAD					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2574594	0.10	0.74	1.37	2.58	3.80	5.00	15.83	107%	40.66					NICK		LIGHT JIB
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
2576216	19.32	15.42	17.37	10.42	10.32	150.54	asym			NICK		2019 A2				