

BOAT		GPH	HULL				
Name INCOGNITO Sail Nr 1		559.0	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 Yes 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	10.948m	VCGM	-0.180m	WS	30.70m ²
		LSM0	11.443m	Displacement/Length ratio		4.0104	



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	541.8			610.5		
Time on Time	1.1074			1.1057		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	646.1	493.4	436.1	837.7	610.2	533.0
Time on Time	1.0447	1.3681	1.5479	0.8058	1.1062	1.2663

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	972.1	790.5	685.1	638.2	621.5	613.6	597.8
52°	632.2	524.6	471.9	453.2	445.7	441.7	435.3
60°	594.8	499.9	459.8	442.0	432.5	427.3	421.7
75°	566.7	483.5	451.1	431.0	414.2	402.4	392.8
90°	573.7	474.4	445.3	429.8	409.5	389.8	363.4
110°	563.3	467.6	431.5	405.0	388.7	375.9	348.7
120°	577.7	474.7	436.0	404.8	375.9	356.5	328.5
135°	645.5	515.9	455.8	425.7	394.9	364.2	303.5
150°	767.0	608.2	512.0	459.4	435.6	413.5	354.4
Run VMG	885.7	702.3	591.3	530.4	502.3	473.0	409.3

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Number **US6377**
ORC Ref **USAX0236HFQ**
Issued On **26/03/2019**
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 603.6	0.9940
Non Spin OSN 585.2	1.0253

Selected Courses							
Windward / Leeward	928.9	746.4	638.2	584.3	561.9	543.3	503.5
Circular Random	775.3	623.3	541.9	494.7	465.2	444.6	413.3
Coastal / Long Distance	924.6	700.0	576.6	509.9	476.2	447.3	396.4
Non Spinnaker	856.5	680.7	584.1	526.4	490.0	465.4	432.8

Sails Limitations

Headsails	Spinnakers
6	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	43.2°	41.6°	40.5°	38.4°	37.6°	37.3°	36.6°
Beat VMG	3.70	4.55	5.25	5.64	5.79	5.87	6.02
52°	5.69	6.86	7.63	7.94	8.08	8.15	8.27
60°	6.05	7.20	7.83	8.14	8.32	8.42	8.54
75°	6.35	7.45	7.98	8.35	8.69	8.95	9.17
90°	6.27	7.59	8.08	8.38	8.79	9.24	9.91
110°	6.39	7.70	8.34	8.89	9.26	9.58	10.32
120°	6.23	7.58	8.26	8.89	9.58	10.10	10.96
135°	5.58	6.98	7.90	8.46	9.12	9.89	11.86
150°	4.69	5.92	7.03	7.84	8.26	8.71	10.16
Run VMG	4.06	5.13	6.09	6.79	7.17	7.61	8.80
Gybe Angles	143.1°	145.8°	148.0°	151.0°	150.9°	175.2°	143.3°

Class Division Length

CDL = **11.292**

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 Fixed	Spreaders 2
Inner Stay	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 Yes
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		168.2kg-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	
	0.450	1.33	2.10	3.28	4.21	47.14	48.12	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		
	19.02	15.12	17.07	10.17	10.33	145.12			

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
0.08	0.69	1.32	2.56	3.78	4.99	15.52	39.46	Y	N			2018 FURLING JIB WITH BATTENS

MEASUREMENT INVENTORY				
Measurer	Date	Comment		
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
a	Anchor	0.0	0.00	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

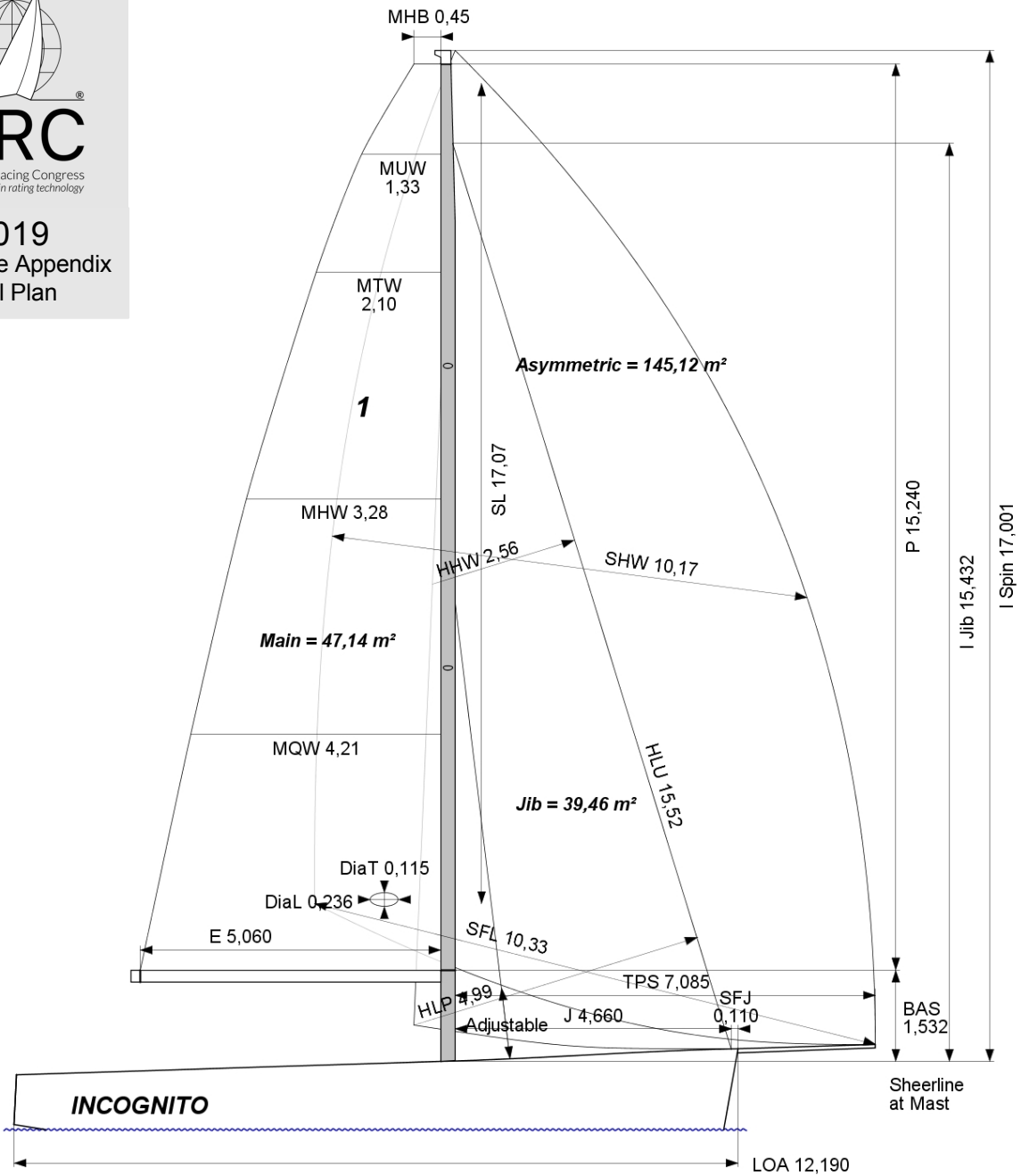
MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
	Tank				0.00	0.00	0.0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				



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Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1599559	0.45	1.33	2.10	3.28	4.21	47.14			NORTH		2017 MAIN					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1826017	0.08	0.69	1.32	2.56	3.78	4.99	15.52	107%	39.46	Y	N			NORTH		2018 FURLING 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				
1599582	19.02	15.12	17.07	10.17	10.33	145.13	asym			NORTH		2017				