

BOAT Name Jonathan III Sail Nr CRO 1255	GPH 593.7	HULL Length Overall 11.924m Maximum Beam 3.770m Displacement 7,366kg Draft 2.428m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.031% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder Yes Crew Arm Extension
GENERAL Class First 40.7 Designer Farr Builder Bennetau Series 12/1997 Age 04/2001 Age Allowance 0.487% Offset File EFRST407.OFF - 25/10/2016 17:33:16 Measurement by - 25/04/2019		IMSLS 10.688m VCGD -0.191m Sink 22.49kg/mm RL 9.927m VCGM 0.040m WS 30.01m² LSM0 10.608m Displacement/Length ratio 6.1707



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SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	577.2			642.1		
Time on Time	1.0395			1.0512		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	678.4	526.4	471.2	875.3	645.9	560.4
Time on Time	0.9950	1.2822	1.4325	0.7712	1.0450	1.2046

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	959.8	798.2	707.1	670.2	654.4	646.5	640.8
52°	634.4	536.3	492.5	476.6	470.5	467.3	465.6
60°	601.8	515.9	481.2	466.0	459.2	455.5	452.7
75°	577.1	502.5	473.1	456.4	444.3	437.0	430.1
90°	583.2	503.0	471.6	453.4	437.9	424.0	405.5
110°	621.9	513.2	469.6	446.1	425.7	411.6	392.7
120°	640.9	525.7	475.5	450.2	427.8	406.6	377.1
135°	709.9	577.0	501.5	467.3	445.0	422.9	380.8
150°	841.5	668.1	565.2	500.8	468.8	447.6	406.8
Run VMG	971.7	771.4	652.4	573.0	519.4	480.7	437.9

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Number **031/19**
ORC Ref **CRO00090335**
Issued On **23/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **749kg**
Maximum **855kg**
Minimum* **641kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **616.9 0.9726**
Non Spin OSN **600.1 0.9999**

Selected Courses							
Windward / Leeward	965.8	784.8	679.8	621.6	586.9	563.6	539.4
Circular Random	815.1	659.2	576.1	528.2	499.0	479.9	456.3
Coastal / Long Distance	966.3	738.5	614.5	544.9	508.8	480.5	437.1
Non Spinnaker	856.4	688.6	598.0	545.1	512.5	491.2	464.3

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	42.1°	40.8°	39.9°	38.2°	37.3°	37.4°	37.2°
Beat VMG	3.75	4.51	5.09	5.37	5.50	5.57	5.62
52°	5.67	6.71	7.31	7.55	7.65	7.70	7.73
60°	5.98	6.98	7.48	7.72	7.84	7.90	7.95
75°	6.24	7.16	7.61	7.89	8.10	8.24	8.37
90°	6.17	7.16	7.63	7.94	8.22	8.49	8.88
110°	5.79	7.01	7.67	8.07	8.46	8.75	9.17
120°	5.62	6.85	7.57	8.00	8.41	8.85	9.55
135°	5.07	6.24	7.18	7.70	8.09	8.51	9.45
150°	4.28	5.39	6.37	7.19	7.68	8.04	8.85
Run VMG	3.70	4.67	5.52	6.28	6.93	7.49	8.22
Gybe Angles	144.4°	149.1°	151.0°	155.4°	170.3°	180.0°	180.0°

Class Division Length
CDL = **10.308**

Storm Sails Areas
Heavy Weather Jib **33.78**
Storm Jib (JL=10.29) **12.51**
Storm Trysail **13.74**

Owner

BOAT	
Name Jonathan III	Sail Nr CRO 1255
File CRO1255	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 3
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 14.750	E 5.320 MDT1 0.116 MW 0.217
IG 15.710	J 4.410 MDL1 0.217 GO 0.247
ISP 15.838	SFJ 0.000 MDT2 0.116 BD 0.193
BAS 1.743	SPL 4.410 MDL2 0.181 MWT 192.00
FSP 0.073	TPS TL 0.690 MCG 5.720

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 25/04/2019		SG 1.0253	
FFM 1.343	FF 1.341	SFFP 0.292	
FAM 1.109	FA 1.112	SAFP 11.313	
W1 80.0	PD1 444.1	WD 12.460	
W2 80.0	PD2 447.1	GSA 1.0	
W3 80.0	PD3 450.2	RSA 1.0	
W4 80.0	PD4 448.2	PLM 9000.0	
LCF from stem on CL / on sheer		6.495 / 6.734	
Maximum beam station from stem		7.502	
RM Measured		175.5kg-m	
RM Default		183.7kg-m	
Limit of positive stability / Stab.Index		117.4° / 120.6	
Freeboard at mast at 4.410		1.205	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.440		
Type Folding 2 blades	PBW 0.112		
Twin Screw No	PIPA 0.0032		
ST1 0.054	ST3 0.172	ST5 0.295	
ST2 0.170	ST4 0.097	EDL 2.265	

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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	
	0.260	1.13	1.95	3.37	4.38	46.10	47.01	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	15.50	15.50	15.50	7.91	7.80	101.89		SL · (SFL + 4·SHW) / 6	
Asymmetric	Not Available								

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.11	0.85	1.62	3.19	4.80	6.48	15.75	50.81			06/05/2016	Twaron	Media nova
0.10	0.81	1.58	3.17	4.80	6.50	15.80	50.77			20/09/2018	Technor	
0.09	0.80	1.55	3.15	4.77	6.42	15.46	49.20			30/10/2013	Carbon	Light
0.07	0.77	1.51	3.04	4.66	6.40	15.62	48.71			04/11/2013	Carbon	Heavy
					4.65	15.78	37.35			27/04/2007	Unknow	

MEASUREMENT INVENTORY				
Measurer CROAK6				
Date 25/04/2019				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	Volvo penta	D2-40	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

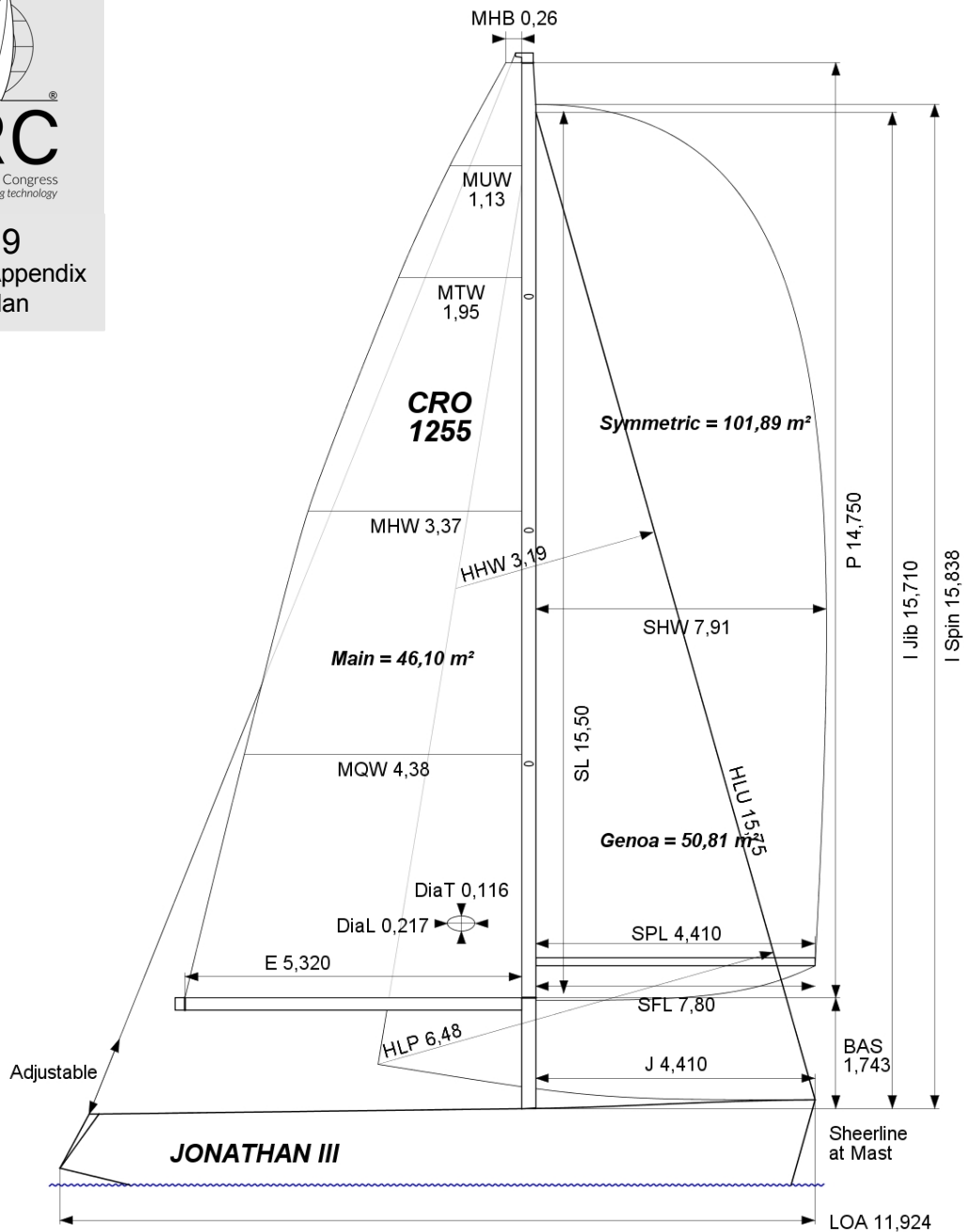
MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
1	Tank water		fix	150.0	5.50		0-0
2	Tank water		fix	150.0	5.50		0-0
3	Tank fuel		fix	135.0	9.30		20-0
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
1	Battery		7.30	3pcs			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.26	1.13	1.95	3.37	4.38	46.11		15/03/2018	One sails	Carbon	4TRAW					
HEADSAILS (5)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.11	0.85	1.62	3.19	4.80	6.48	15.75	147%	50.81				06/05/2016	OneSails	Twaron	Media nova
5	0.10	0.81	1.58	3.17	4.80	6.50	15.80	147%	50.77				20/09/2018	One Sails	Technor	
1	0.09	0.80	1.55	3.15	4.77	6.42	15.46	146%	49.20				30/10/2013	One sails	Carbon	Light
3	0.07	0.77	1.51	3.04	4.66	6.40	15.62	145%	48.71				04/11/2013	One sails	Carbon	Heavy
4						4.65	15.78	105%	37.35				27/04/2007	Victory	Unknow	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	15.50	15.51	15.50	7.91	7.80	101.92		15/03/2018	One sails	Nylon	light VMG					
4	15.40	15.40	15.40	7.88	7.70	100.67		10/03/2008	North Sails	Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				