

BOAT
Name JAZZ Sail Nr EST 465

GPH
640.1

HULL	
Length Overall	9.980m
Maximum Beam	3.372m
Displacement	4,440kg
Draft	1.989m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0.195%
Fwd Accommodation	No
Hull Construction	Cored
Carbon Rudder	Yes
Crew Arm Extension	
IMSL	9.051m VCGD -0.136m Sink 16.20kg/mm
RL	8.313m VCGM -0.110m WS 22.13m²
LSMO	8.933m Displacement/Length ratio 6.2286



2019
ORC International
Certificate

GENERAL
Class First 34.7
Designer Farr
Builder Beneteau
Series 10/2005
Age 05/2007
Age Allowance 0.455%
Offset File F235B.off - 3/15/2019 8:09:54 PM
Measurement by A.Tetsmann/V.Rosme - 29/07/2019

Rating Office
EYU
Purje 8
11911, Tallinn
Estonia

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	621.0			691.2		
Time on Time	0.9661			0.9766		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	736.7	566.0	503.2	951.5	694.2	600.9
Time on Time	0.9163	1.1925	1.3414	0.7094	0.9723	1.1234

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1090.7	903.7	791.6	732.4	712.3	704.8	696.8
52°	711.5	598.9	542.1	517.7	507.1	503.0	499.9
60°	671.9	570.2	527.1	506.1	494.0	488.5	485.5
75°	644.3	551.1	515.9	496.0	479.7	466.9	455.9
90°	653.2	547.4	506.3	486.7	475.8	458.5	431.1
110°	648.9	539.5	499.8	473.3	448.8	431.8	411.9
120°	668.7	551.6	505.4	478.0	451.4	426.8	390.4
135°	739.0	600.4	528.2	496.2	470.6	444.9	396.9
150°	874.0	695.1	587.3	526.3	496.8	473.0	426.6
Run VMG	1009.3	802.6	677.5	597.0	541.4	506.9	460.3

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Crew Weight	
Default	586kg
Maximum	720kg
Minimum*	540kg
<i>*when applied by the NoR and SI</i>	
Non Manual Pwr	No

Selected Courses							
Windward / Leeward	1050.0	853.1	734.6	664.7	626.8	605.8	578.5
Circular Random	883.7	712.7	620.8	567.5	534.6	513.1	485.3
Coastal / Long Distance	1045.9	800.7	663.3	584.5	545.2	514.4	463.6
Non Spinnaker	945.5	756.4	653.5	592.9	555.6	531.4	501.5

Special Scoring		
	ToD	ToT
Double H.GPH	651.0	0.9217
Double H.OSN	633.8	0.9467
Non Spin GPH	674.7	0.8893
Non Spin OSN	652.7	0.9192

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	42.7°	41.3°	40.9°	38.9°	38.5°	38.3°	38.3°
Beat VMG	3.30	3.98	4.55	4.92	5.05	5.11	5.17
52°	5.06	6.01	6.64	6.95	7.10	7.16	7.20
60°	5.36	6.31	6.83	7.11	7.29	7.37	7.42
75°	5.59	6.53	6.98	7.26	7.50	7.71	7.90
90°	5.51	6.58	7.11	7.40	7.57	7.85	8.35
110°	5.55	6.67	7.20	7.61	8.02	8.34	8.74
120°	5.38	6.53	7.12	7.53	7.97	8.43	9.22
135°	4.87	6.00	6.82	7.26	7.65	8.09	9.07
150°	4.12	5.18	6.13	6.84	7.25	7.61	8.44
Run VMG	3.57	4.49	5.31	6.03	6.65	7.10	7.82
Gybe Angles	145.4°	149.7°	150.8°	158.2°	180.0°	180.0°	180.0°

Class Division Length
CDL = 8.683

Storm Sails Areas	
Heavy Weather Jib	23.71
Storm Jib (JL=8.62)	8.78
Storm Trysail	9.78

Owner
MTÜ JAZZ
Hiiela tee 7
Tallinn, Estonia
ESS Kalev JK

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature _____

BOAT	
Name JAZZ	Sail Nr EST 465
File Est0465	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 12/05/2019		SG 1.0000	
FFM 1.297	FF 1.305	SFFP 0.172	
FAM 1.051	FA 1.058	SAFP 9.530	
W1 68.7	PD1 552.8	WD 10.264	
W2 68.7	PD2 543.8	GSA 1.0	
W3 68.7	PD3 555.1	RSA 1.0	
W4 68.7	PD4 556.1	PLM 9000.0	
LCF from stem on CL / on sheer		5.361 / 5.594	
Maximum beam station from stem		6.642	
RM Measured		100.6kg·m	
RM Default		97.3kg·m	
Limit of positive stability / Stab.Index		128.8° / 127.8	
Freeboard at mast at 3.645		1.174	



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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 12.500	E 4.470	MDT1 0.103	MW 0.172
IG 13.160	J 3.645	MDL1 0.172	GO 0.197
ISP 13.300	SFJ 0.000	MDT2 0.103	BD 0.130
BAS 1.540	SPL 3.700	MDL2 0.140	MWT 116.00
FSP 0.066	TPS	TL 0.700	MCG 4.440

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.410		
Type Folding 2 blades	PBW 0.118		
Twin Screw No	PIPA 0.0027		
ST1 0.035	ST3	ST5 0.118	
ST2	ST4 0.100	EDL 1.800	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.310	1.03	1.74	2.85	3.70	33.38	34.09	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	13.00	13.00	13.00	7.25	6.91	77.81		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)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.11	0.64	1.18	2.13	2.97	3.76	13.10	26.67			29/07/2019	Unknow	3Di Light 2019
0.11	0.60	1.12	2.08	2.94	3.75	13.06	26.15			29/07/2019	Unknow	3Di Medium 2019
0.11	0.59	1.09	2.03	2.91	3.72	12.83	25.31	Y		08/04/2018	Carbon	3Di_Medium_2015
0.08	0.49	0.91	1.80	2.70	3.61	12.57	22.79			25/01/2018	Unknow	3Di_Heavy 2018

MEASUREMENT INVENTORY				
Measurer Grubisa, Pindozi				
Date 12/05/2019				
Comment Pirita				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM20	
Id	Item	Weight Description		

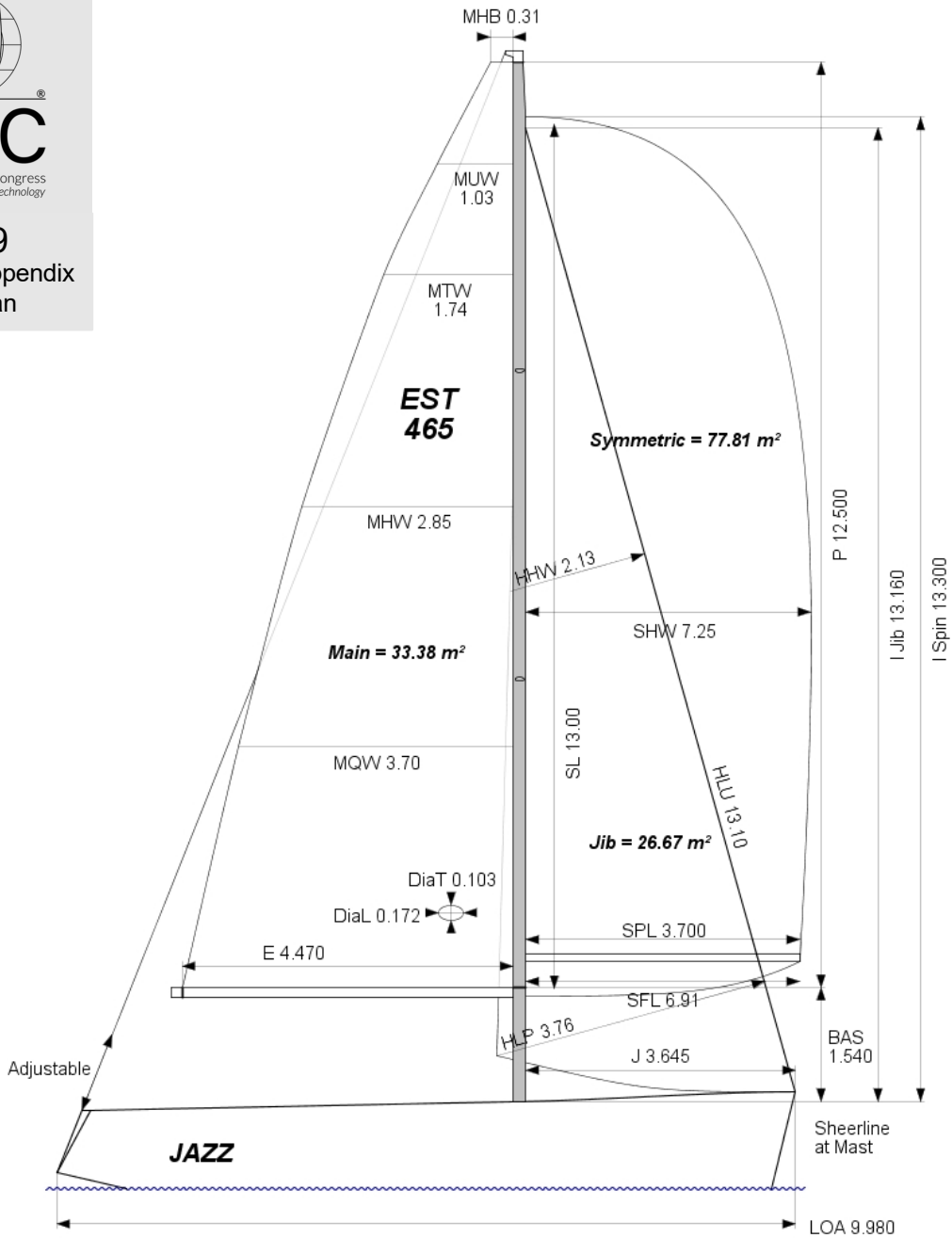
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank	Water	PVC	100.0	4.00		Ø-Ø Water tank, stb.
2	Tank	Fuel	PVC	75.0	7.55		4Ø-Ø Fuel tank, center
Id	Item	Weight	Distance	VCG Description			
1	Battery		3.70	Battery 70Ah, ports.			
2	Battery		3.95	Battery 70Ah, ports.			
1	Misc		6.90	Boiler 25BX Quickmatic, ports.			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
4a	0.31	1.03	1.74	2.85	3.70	33.39	EST 2	28/07/2019	North	Unknown	

HEADSAILS (4)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
11a	0.11	0.64	1.18	2.13	2.97	3.76	13.10	103%	26.67			EST 2	29/07/2019	North	Unknown	3Di Light 2019
10a	0.11	0.60	1.12	2.08	2.94	3.75	13.06	103%	26.15			EST 2	29/07/2019	North	Unknown	3Di Medium 2019
7a	0.11	0.59	1.09	2.03	2.91	3.72	12.83	102%	25.31	Y		EST 7	08/04/2018	North	Carbon	3Di_Medium_2015
9	0.08	0.49	0.91	1.80	2.70	3.61	12.57	99%	22.79			Sisil	25/01/2018	North	Unknown	3Di_Heavy 2018

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S2	13.00	13.00	13.00	7.25	6.91	77.81	Hemamali	04/01/2019	North	Unknown	Jazz Pesulad
S1,5	13.35	13.35	13.35	7.02	6.80	77.61	Hemamali	07/04/2017	North	Unknown	Hine Cognac
S3	13.00	13.00	13.00	6.43	6.33	69.45	EST 2	02/07/2010	North	Unknown	Blue

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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