

BOAT	GPH	HULL
Name TEMPTATION-OAKCLIFF Sail Nr USA 50069	495.9	Length Overall 15.240m Maximum Beam 4.175m Displacement 10,225kg Draft 3.130m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension 0.00
GENERAL		IMSL 13.420m VCGD -1.058m Sink 27.81kg/mm RL 13.503m VCGM -1.020m WS 40.07m² LSM0 12.937m Displacement/Length ratio 4.7224
Class KER 50 Designer Ker Builder NEW ENGLAND BOAT Series 05/2006 Age 05/2006 Age Allowance 0.390% Offset File US42259A.off - 17/06/2015 10:43:26 Measurement by -		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	482.0			543.7		
Time on Time	1.2448			1.2415		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	562.4	441.1	390.9	727.0	544.5	478.5
Time on Time	1.2003	1.5302	1.7268	0.9285	1.2397	1.4106

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	823.9	672.3	603.0	574.6	560.4	552.6	536.5
52°	538.6	449.6	419.3	407.5	401.1	397.2	388.3
60°	507.5	433.3	409.0	395.6	387.8	382.7	374.8
75°	484.5	423.6	400.5	382.6	367.4	357.9	348.1
90°	490.3	424.9	400.2	380.2	360.3	342.8	319.7
110°	498.5	420.2	389.9	372.3	357.1	342.3	312.1
120°	515.0	425.3	392.6	364.7	344.8	329.2	297.5
135°	571.4	457.5	410.9	383.7	355.5	327.0	271.3
150°	681.6	540.8	458.6	412.8	391.3	369.0	314.1
Run VMG	787.1	624.5	529.6	477.0	451.0	426.1	362.7
Selected Courses							
Windward / Leeward	805.5	648.4	566.3	525.8	505.7	489.3	449.6
Circular Random	679.1	549.8	481.4	441.9	416.7	398.3	368.5
Coastal / Long Distance	803.6	610.0	512.7	457.9	428.4	402.3	353.3
Non Spinnaker	744.2	596.4	515.9	468.0	437.0	415.3	384.7

Certificate

Number **US6032**
ORC Ref **USAX01E1FRM**
Issued On **12/07/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **994kg**
Maximum **1,275kg**
Minimum* **956kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	532.2	1.1274
Non Spin OSN	519.5	1.1550

Sails Limitations

Headsails	Spinnakers
7	5

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	42.9°	41.5°	39.9°	38.4°	37.6°	37.3°	36.3°
Beat VMG	4.37	5.35	5.97	6.26	6.42	6.51	6.71
52°	6.68	8.01	8.59	8.83	8.98	9.06	9.27
60°	7.09	8.31	8.80	9.10	9.28	9.41	9.61
75°	7.43	8.50	8.99	9.41	9.80	10.06	10.34
90°	7.34	8.47	9.00	9.47	9.99	10.50	11.26
110°	7.22	8.57	9.23	9.67	10.08	10.52	11.53
120°	6.99	8.46	9.17	9.87	10.44	10.94	12.10
135°	6.30	7.87	8.76	9.38	10.13	11.01	13.27
150°	5.28	6.66	7.85	8.72	9.20	9.76	11.46
Run VMG	4.57	5.76	6.80	7.55	7.98	8.45	9.93
Gybe Angles	142.5°	143.9°	148.3°	152.5°	151.9°	148.6°	142.7°

Class Division Length

CDL = 13.463

Storm Sails Areas

Heavy Weather Jib **54.13**
Storm Jib (JL=13.02) **20.05**
Storm Trysail **24.65**

Owner

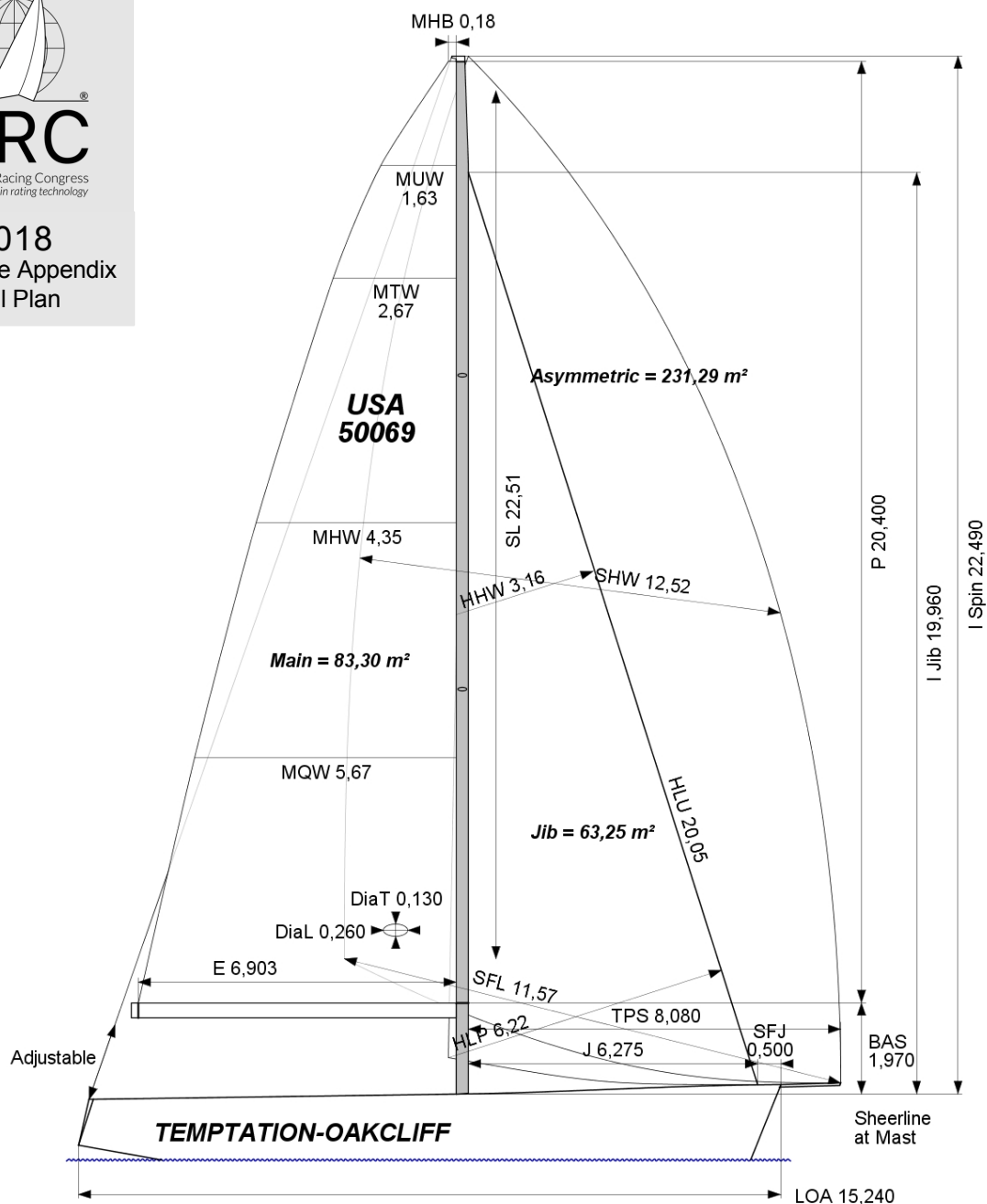
BOAT Name TEMPTATION- Sail Nr USA 50069 File US6032 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 01/05/2015 SG 1.0190 VCGDe -1.058 FFM 1.623 FF 1.626 SFFP 0.500 FAM 1.307 FA 1.308 SAFP 14.920 LCF from stem on CL / on sheer 8.166 / 8.399 Maximum beam station from stem 10.565 RM Measured 368.4kg-m RM Default 301.3kg-m Limit of positive stability / Stab.Index 154.2° / 159.5 Freeboard at mast at 6.775 1.432		 ORC Offshore Racing Congress World leader in rating technology 2018 IMS Measurement Certificate																																			
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		PROPELLER Installation Strut PRD 0.560 Type Folding 2 blades PBW 0.146 Twin Screw No PIPA 0.0034 ST1 0.080 ST3 0.210 ST5 0.320 ST2 0.210 ST4 0.090 EDL 2.040																																					
MIZZEN RIG AND SAILS N/A		MOVABLE BALLAST N/A																																					
COMMENTS 		CENTERBOARD N/A		 Invalid for racing World Leader In Rating Technology																																			
SAILS (Maximum Areas) <table border="1"> <thead> <tr> <th>Mainsail</th> <th>MHB</th> <th>MUW</th> <th>MTW</th> <th>MHW</th> <th>MQW</th> <th>Area</th> <th>Area (r)</th> <th>Formula</th> </tr> </thead> <tbody> <tr> <td></td> <td>0.180</td> <td>1.63</td> <td>2.67</td> <td>4.35</td> <td>5.67</td> <td>83.30</td> <td>84.91</td> <td>$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$</td> </tr> </tbody> </table> Symmetric Not Available Asymmetric <table border="1"> <thead> <tr> <th>on centerline</th> <th>SLU</th> <th>SLE</th> <th>SL</th> <th>SHW</th> <th>SFL</th> <th>Area</th> <th>Formula</th> </tr> </thead> <tbody> <tr> <td></td> <td>25.03</td> <td>19.99</td> <td>22.51</td> <td>12.52</td> <td>11.57</td> <td>231.29</td> <td>$AS \cdot (SFL + 4 \cdot SHW) / 6$</td> </tr> </tbody> </table>					Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula		0.180	1.63	2.67	4.35	5.67	83.30	84.91	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$	on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		25.03	19.99	22.51	12.52	11.57	231.29	$AS \cdot (SFL + 4 \cdot SHW) / 6$	
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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
942654	0.18	1.63	2.67	4.35	5.67	83.31					

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
942652	0.00		1.62	3.16	4.68	6.22	20.05	99%	63.26							

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
942648	25.03	19.99	22.51	12.52	11.57	231.30	asym					