

BOAT Name TEMPTATION Sail Nr USA 50069	GPH 498.0	HULL Length Overall 15.240m Maximum Beam 4.175m Displacement 10,225kg Draft 3.130m IMS Reg. Division Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class KER 50 Designer KER Builder Series 04/2006 Age 04/2006 Age Allowance 0.357% Offset File US42259A.OFF - 17/06/2015 10:43:26 Measurement by CAREY - 30/04/2015		IMSL 13.420m VCGD -1.226m Sink 27.81kg/mm RL 13.390m VCGM -1.188m WS 40.07m² LSMO 12.937m Displacement/Length ratio 4.7224



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	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	484.3			548.3		
Time On Time	1.2390			1.2310		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	571.7	441.8	385.8	745.3	549.4	477.1
Time on Time	1.1807	1.5277	1.7497	0.9057	1.2286	1.4149

Wind Velocity	TIME ALLOWANCES						
	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	854.0	699.7	615.1	577.1	557.3	545.6	529.7
52°	553.8	458.5	420.3	404.9	396.3	390.5	381.0
60°	517.2	437.0	408.4	391.7	380.9	373.3	364.4
75°	485.2	423.2	398.2	376.6	357.3	345.0	332.3
90°	484.5	422.1	397.4	375.3	352.1	329.5	301.1
110°	499.8	419.4	387.0	368.4	352.6	335.8	300.6
120°	517.5	426.2	392.7	362.6	341.3	325.6	290.1
135°	577.1	461.1	412.5	385.8	357.7	328.7	268.9
150°	689.7	546.6	462.4	415.5	393.7	371.8	316.8
Run VMG	796.4	631.2	533.9	479.7	453.4	429.3	365.8

Certificate

Number **US6032**
ORC Ref **USA00000915**
Issued On **13/04/2017**
VPP Ver. **2017 1.00**
Valid until **28/02/2018**

Crew Weight

Declared **1,275kg**
Default* **994kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **532.4 1.1270**
Non Spin OSN **520.5 1.1527**

Selected Courses							
Windward / Leeward	825.2	665.4	574.5	528.4	505.4	487.4	447.8
Circular Random	687.4	554.7	483.4	441.4	414.0	393.8	362.0
Ocean for PCS	846.8	652.6	543.0	475.3	429.9	396.2	344.5
Non Spinnaker	748.5	598.7	516.2	466.2	433.3	410.1	378.4

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	43.5°	42.9°	41.3°	39.3°	38.2°	37.1°	36.3°
Beat VMG	4.22	5.14	5.85	6.24	6.46	6.60	6.80
52°	6.50	7.85	8.57	8.89	9.08	9.22	9.45
60°	6.96	8.24	8.82	9.19	9.45	9.64	9.88
75°	7.42	8.51	9.04	9.56	10.08	10.43	10.83
90°	7.43	8.53	9.06	9.59	10.23	10.93	11.96
110°	7.20	8.58	9.30	9.77	10.21	10.72	11.97
120°	6.96	8.45	9.17	9.93	10.55	11.06	12.41
135°	6.24	7.81	8.73	9.33	10.06	10.95	13.39
150°	5.22	6.59	7.79	8.67	9.14	9.68	11.36
Run VMG	4.52	5.70	6.74	7.50	7.94	8.39	9.84
Gybe Angles	142.3°	143.8°	148.0°	152.3°	152.1°	148.5°	142.7°

Class Division Length
CDL = **13.406**

Storm Sails Areas

Heavy Weather Jib **54.13**
Storm Jib (JL=13.02) **20.05**
Storm Triesail **24.64**

Owner

BOAT	
Name TEMPTATION	Sail Nr USA50069
File US6032	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 30/04/2015		SG 1.0190	
FFM 1.623	FF 1.626	SFFP 0.500	
FAM 1.307	FA 1.308	SAFP 14.920	
W1 148.5	PD1 204.0	WD 13.353	
W2 148.5	PD2 204.0	GSA 0.5	
W3 148.5	PD3 204.0	RSA 71.7	
W4 148.5	PD4 204.0	PLM 2346.0	
LCF from stem on CL / on sheer		8.166 / 8.399	
Maximum beam station from stem		10.565	
RM Measured		396.3kg·m	
RM Default		301.3kg·m	
Limit of positive stability / Stab.Index		156.5° / 161.8	
Freeboard at mast at 6.775		1.432	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows	Jib Furler		
Fiber Rigging	Main Furler		
Lenticular Rigging	Without Backstay		
Articulated Bowsprit No			
P 20.400	E 6.903	MDT1 0.130	MW 0.260
IG 19.960	J 6.275	MDL1 0.260	GO 0.280
ISP 22.490	SFJ 0.500	MDT2 0.120	BD 0.325
BAS 1.970	SPL 0.000	MDL2 0.180	MWT 304.00
FSP 0.067	TPS 8.080	TL 2.240	MCG 7.570

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.560		
Type Folding 2 blades	PBW 0.146		
Twin Screw	PIPA 0.0034		
ST1 0.080	ST3 0.210	ST5 0.320	
ST2 0.210	ST4 0.090	EDL 2.040	

COMMENTS	
MSMT FROM ORR	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
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 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	25.03	19.99	22.51	12.52	11.57	231.29			

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
0.17	0.86	1.62	3.16	4.68	6.22	20.05	63.25				Unknow	



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IMS Measurement Certificate

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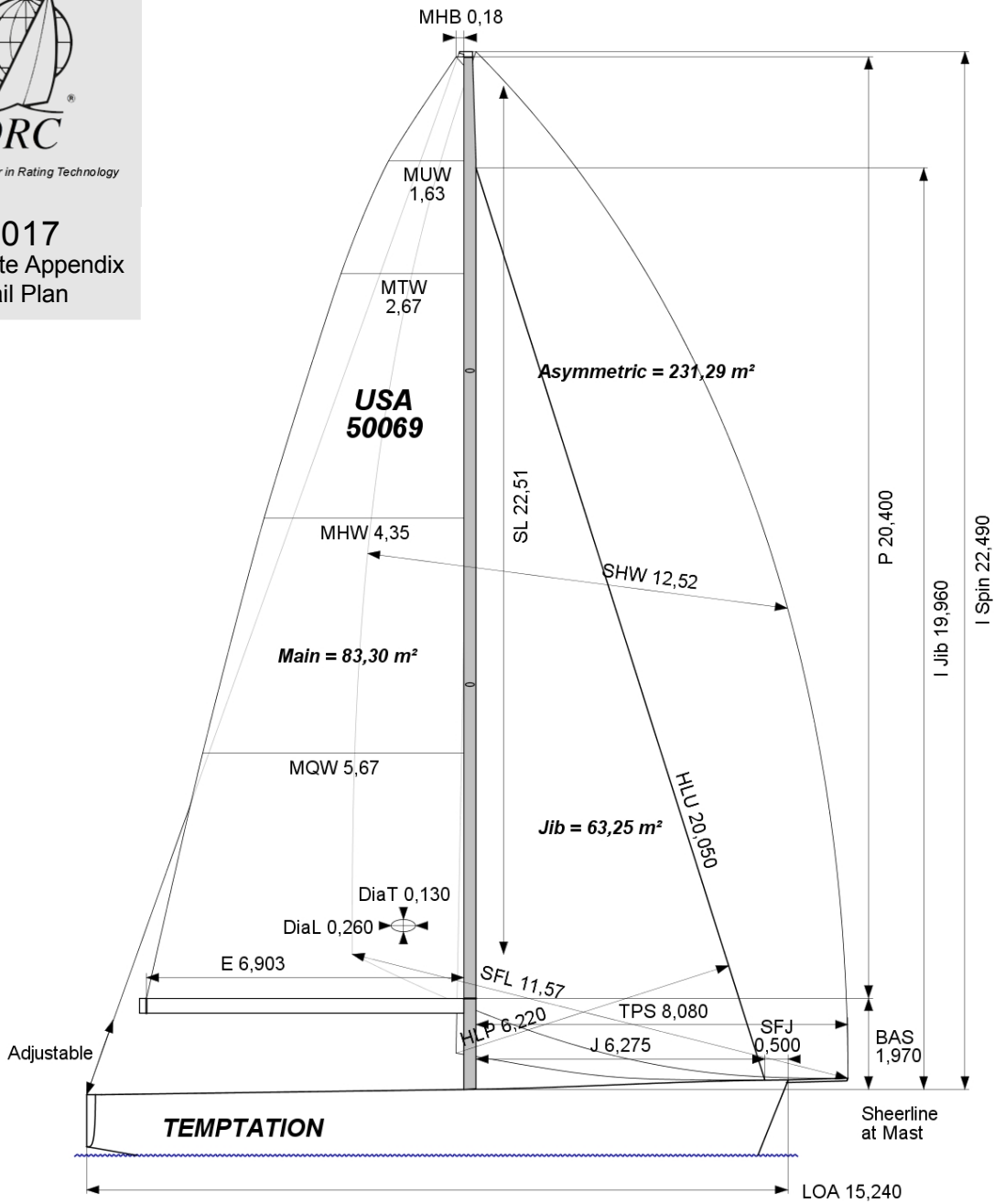


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Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.180	1.63	2.67	4.35	5.67	83.30				Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.17	0.86	1.62	3.16	4.68	6.22	20.05	99%	63.25							Unknown
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				
1	25.03	19.99	22.51	12.52	11.57	231.29	asym				Unknown					