

BOAT Name ENTROPY Sail Nr USA 50400	GPH 543.2	HULL Length Overall 12.494m Maximum Beam 3.859m Displacement 6,237kg Draft 2.916m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension 0.00
GENERAL Class TRIPP 41 Designer TRIPP Builder HOLBY Series 06/1997 Age 06/1997 Age Allowance 0.487% Offset File US30811D.OFF - 12/07/2018 13:04:44 Measurement by - 10/04/2002		IMSL 11.367m VCGD -0.140m Sink 23.59kg/mm RL 11.281m VCGM -0.142m WS 30.52m² LSM0 11.030m Displacement/Length ratio 4.6478



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	528.8			593.1		
Time on Time	1.1347			1.1382		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	611.1	484.5	434.6	785.5	593.9	525.6
Time on Time	1.1045	1.3933	1.5531	0.8593	1.1366	1.2842

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	888.9	732.8	654.8	628.7	616.5	604.8	594.8
52°	589.1	497.2	463.9	453.3	448.0	445.2	435.7
60°	559.6	481.3	453.5	441.4	435.3	431.5	420.0
75°	537.1	471.2	444.8	426.6	414.3	407.4	400.0
90°	542.6	467.5	444.6	423.2	402.9	387.7	372.4
110°	536.6	458.7	428.0	410.7	396.8	382.9	356.8
120°	550.2	463.6	429.3	399.9	380.5	366.6	338.3
135°	614.8	494.4	448.0	417.5	386.6	356.0	304.8
150°	731.4	585.2	497.0	451.2	428.1	404.9	345.3
Run VMG	844.5	675.8	573.9	520.5	494.2	464.6	398.7

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Number **US6019**
ORC Ref **USAX026AVH1**
Issued On **03/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **792kg**
Maximum **792kg**
Minimum* **594kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	582.6	1.0299
Non Spin OSN	567.9	1.0565

Selected Courses							
Windward / Leeward	866.7	704.3	614.3	574.6	555.4	534.7	496.7
Circular Random	738.2	600.1	527.6	486.3	460.5	442.1	413.9
Coastal / Long Distance	864.5	663.3	558.3	502.9	473.3	445.9	397.9
Non Spinnaker	810.3	651.1	564.9	514.1	481.9	459.7	429.5

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	41.8°	40.3°	38.2°	36.7°	36.5°	35.9°	35.8°
Beat VMG	4.05	4.91	5.50	5.73	5.84	5.95	6.05
52°	6.11	7.24	7.76	7.94	8.04	8.09	8.26
60°	6.43	7.48	7.94	8.15	8.27	8.34	8.57
75°	6.70	7.64	8.09	8.44	8.69	8.84	9.00
90°	6.63	7.70	8.10	8.51	8.93	9.29	9.67
110°	6.71	7.85	8.41	8.77	9.07	9.40	10.09
120°	6.54	7.77	8.39	9.00	9.46	9.82	10.64
135°	5.86	7.28	8.04	8.62	9.31	10.11	11.81
150°	4.92	6.15	7.24	7.98	8.41	8.89	10.43
Run VMG	4.26	5.33	6.27	6.92	7.28	7.75	9.03
Gybe Angles	143.1°	145.0°	148.7°	151.9°	150.1°	176.3°	143.2°

Class Division Length

CDL = 11.325

Storm Sails Areas

Heavy Weather Jib **36.35**
Storm Jib (JL=10.67) **13.47**
Storm Trysail **16.60**

Owner

BOAT		
Name	ENTROPY	Sail Nr USA 50400
File	US6019	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Enter VCG directly		
Flotation date	30/05/2013	SG 1.0200
VCGDe -0.140		
FFM	1.349	FF 1.351 SFFP 0.174
FAM	1.098	FA 1.099 SAFF 11.942
LCF from stem on CL / on sheer		6.701 / 6.962
Maximum beam station from stem		7.949
RM Measured		204.3kg-m
RM Default		202.1kg-m
Limit of positive stability / Stab.Index		122.6° / 122.4
Freeboard at mast at 0.000		1.166



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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	16.720	E	5.670	MDT1 0.119 MW 0.192
IG	16.190	J	5.030	MDL1 0.244 GO 0.259
ISP	18.261	SFJ	-0.003	MDT2 0.095 BD 0.229
BAS	1.750	SPL	0.000	MDL2 0.107 MWT 180.99
FSP	0.074	TPS	6.570	TL 2.250 MCG 5.551

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation	Strut	PRD 0.412
Type	Folding 2 blades	PBW 0.116
Twin Screw	No	PIPA 0.0035
ST1	0.043	ST3 0.180 ST5 0.232
ST2	0.180	ST4 0.110 EDL 1.253

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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	
	0.170	1.32	2.28	3.70	4.75	57.26	58.48	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	Formula		
	20.90	17.05	18.98	11.23	10.64	175.71	AS · (SFL + 4·SHW) / 6		

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
	1.43	2.69	3.89	4.97	16.41	42.91						ORC 2017

MEASUREMENT INVENTORY				
Measurer				
Date				
Comment				
Id	Item	Weight	Distance	VCG Description
a	Ancher	0.0	0.00	
Id	Item	Weight	Distance	Description

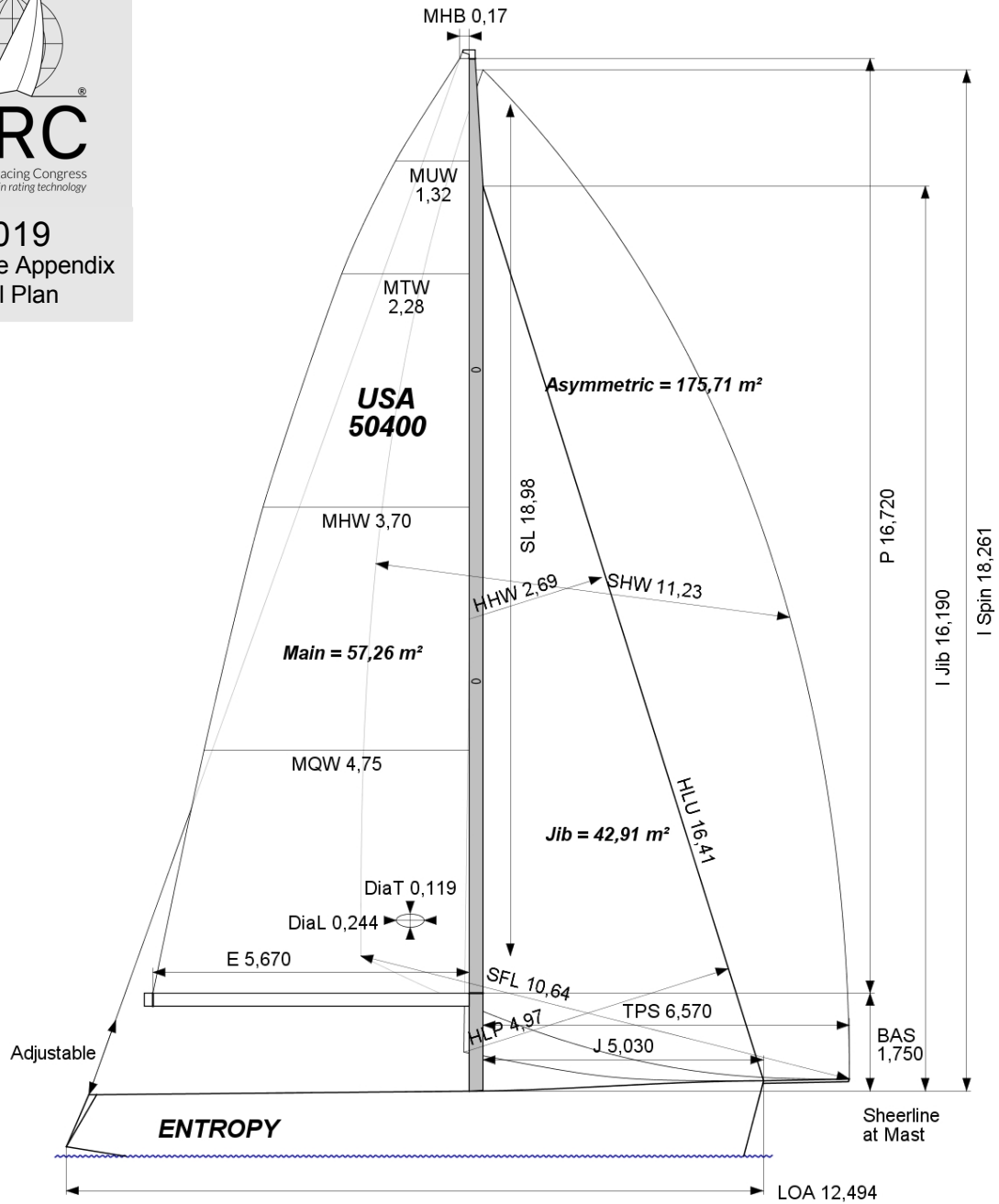
MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
		Tank				0.00	0.00	0-0	
Id	Item	Weight	Distance	VCG	Description				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1951830	0.17	1.32	2.28	3.70	4.75	57.26			ERIC		MN2 IRC 2015					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1578338			1.43	2.69	3.89	4.97	16.41	99%	42.91							ORC 2017
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				
1397665	20.90	17.05	18.98	11.23	10.64	175.71	asym					A4 ASYMMETRIC				