

BOAT	GPH	HULL
Name DREAM CRUSHER Sail Nr USA 60206	459.6	Length Overall 14.326m Maximum Beam 4.185m Displacement 6,104kg Draft 3.328m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Carbon Carbon Rudder Yes Crew Arm Extension 0.00
GENERAL		IMSL 13.935m VCGD -0.921m Sink 27.49kg/mm RL 14.356m VCGM -0.913m WS 35.53m² LSM0 13.555m Displacement/Length ratio 2.4508
Class KERNANCOUROUBLE 47 Designer KERNAN COUROUBLE Builder WESTERLY MARINE Series 03/2011 Age 03/2011 Age Allowance 0.260% Offset File TRUE2014.OFF - 15/07/2019 13:04:48 Measurement by - 25/07/2014		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	448.4			506.8		
Time on Time	1.3380			1.3319		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	518.9	412.1	354.8	670.3	515.1	437.2
Time on Time	1.3009	1.6381	1.9027	1.0070	1.3104	1.5438

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	749.5	620.7	577.3	557.3	541.5	529.1	524.7
52°	487.7	421.1	403.7	394.4	388.1	377.0	368.1
60°	457.8	406.9	388.6	376.7	368.7	359.0	345.6
75°	438.0	394.9	365.4	348.5	338.1	331.3	311.7
90°	441.0	396.9	361.1	332.2	315.0	304.0	289.3
110°	461.1	398.0	368.5	343.7	320.8	293.3	253.3
120°	476.1	401.9	360.1	336.2	315.2	291.5	253.8
135°	529.7	425.0	382.1	339.8	301.8	276.2	240.1
150°	636.2	499.1	429.6	385.3	352.3	313.0	246.2
Run VMG	734.7	576.3	496.1	449.4	406.9	361.4	284.3
Selected Courses							
Windward / Leeward	742.1	598.5	536.7	503.4	474.2	445.2	404.5
Circular Random	627.5	510.1	447.2	409.1	382.9	362.8	331.9
Coastal / Long Distance	741.3	564.0	483.4	432.6	398.1	364.6	313.2
Non Spinnaker	689.8	555.5	482.1	437.3	407.3	385.3	353.5

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	43.1°	40.8°	38.5°	38.0°	36.9°	36.1°	36.5°
Beat VMG	4.80	5.80	6.24	6.46	6.65	6.80	6.86
52°	7.38	8.55	8.92	9.13	9.28	9.55	9.78
60°	7.86	8.85	9.26	9.56	9.77	10.03	10.42
75°	8.22	9.12	9.85	10.33	10.65	10.87	11.55
90°	8.16	9.07	9.97	10.84	11.43	11.84	12.45
110°	7.81	9.05	9.77	10.47	11.22	12.28	14.21
120°	7.56	8.96	10.00	10.71	11.42	12.35	14.19
135°	6.80	8.47	9.42	10.59	11.93	13.03	14.99
150°	5.66	7.21	8.38	9.34	10.22	11.50	14.62
Run VMG	4.90	6.25	7.26	8.01	8.85	9.96	12.66
Gybe Angles	141.0°	142.4°	148.7°	152.0°	147.1°	143.9°	144.6°

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Number **US6446**
ORC Ref **USAX02CDS DL**
Issued On **16/07/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **1,062kg**
Maximum **1,050kg**
Minimum* **788kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 496.4	1.2087
Non Spin OSN 487.4	1.2310

Sails Limitations

Headsails 7	Spinnakers 5
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Class Division Length

CDL = **14.147**

Storm Sails Areas

Heavy Weather Jib	52.18
Storm Jib (JL=12.78)	19.33
Storm Trysail	24.76

Owner

BOAT							
Name	DREAM CRUSHER			Sail Nr	USA 60206		
File	US6446			Date in	meters/kilograms		
RIG							
Forestay Tension	Aft			Spreaders		3	
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	20.414	E	6.930	MDT1	0.130	MW	0.284
IG	19.660	J	5.490	MDL1	0.264	GO	0.284
ISP	22.372	SFJ	0.300	MDT2	0.103	BD	0.290
BAS	1.712	SPL	0.000	MDL2	0.186	MWT	207.70
FSP	0.100	TPS	8.330	TL	3.214	MCG	7.922

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date		25/07/2014		SG	1.0220
FFM	1.386	FF	1.387	SFFP	1.000
FAM	1.133	FA	1.133	SAFP	14.325
W1	139.4	PD1	439.0	WD	11.070
W2	139.4	PD2	439.0	GSA	1.0
W3	139.4	PD3	439.0	RSA	1.0
W4	139.4	PD4	439.0	PLM	9000.0
LCF from stem on CL / on sheer				7.762 / 7.995	
Maximum beam station from stem				10.744	
RM Measured				276.8kg·m	
RM Default				258.5kg·m	
Limit of positive stability / Stab.Index				140.8° / 138.7	
Freeboard at mast at 5.790				1.237	



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MIZZEN RIG AND SAILS	
	N/A

PROPELLER					
Installation	Strut		PRD		0.406
Type	Folding 2 blades		PBW		0.000
Twin Screw	No		PIPA		0.0039
ST1	0.058	ST3	0.293	ST5	0.280
ST2	0.000	ST4	0.110	EDL	1.440

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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
	0.210	1.73	2.76	4.44	5.76	84.99	86.79	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$
Symmetric								
Not Available								
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL			
	24.59	20.47	22.53	12.83	12.10	238.14		$AS \cdot (SFL + 4 \cdot SHW) / 6$

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
0.12	0.87	1.59	2.95	4.24	5.70	19.52	56.94					J 1-2

MEASUREMENT INVENTORY					
Measurer Date Comment					
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>
a	Anchor	0-0	0-00		
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>		

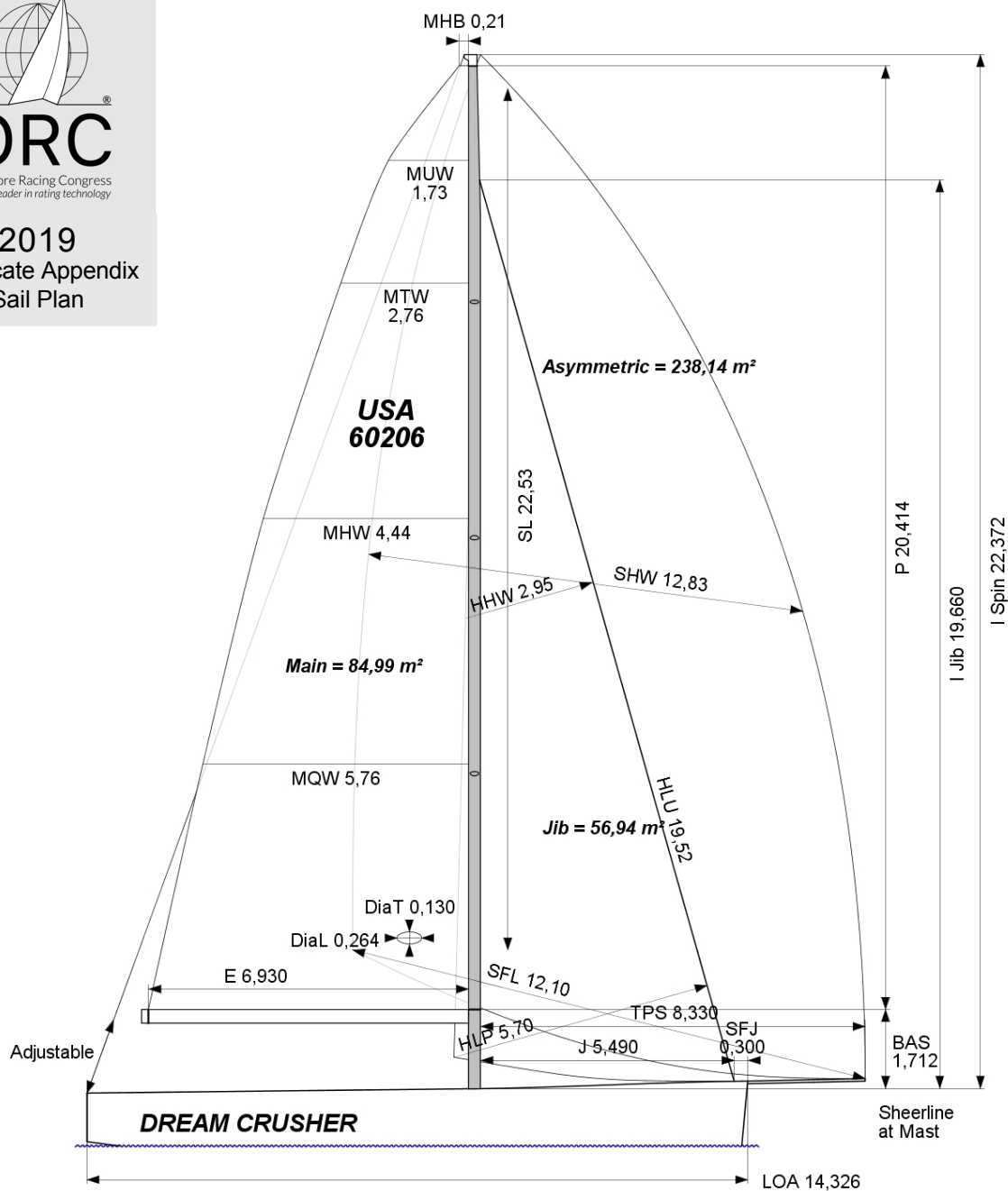
MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
	Tank				0.00	0.00	0-0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
492370	0.21	1.73	2.76	4.44	5.76	84.99					2016 MAINSAIL

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
492368	0.12	0.87	1.59	2.95	4.24	5.70	19.52	104%	56.94							J 1-2

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
492364	24.59	20.47	22.53	12.83	12.10	238.15	asym					A 1.5