

<b>BOAT</b> Name <b>CHESSIE RACING</b> Sail Nr <b>USA 54</b>	<b>GPH</b> <b>440.0</b>	<b>HULL</b> Length Overall <b>18.900m</b> Maximum Beam <b>5.296m</b> Displacement <b>16,135kg</b> Draft <b>4.072m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.061%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Carbon, Aramid</b> Carbon Rudder <b>Yes</b> Crew Arm Extension
<b>GENERAL</b> Class <b>TRIPP 62</b> Designer <b>TRIPP</b> Builder <b>NEB</b> Series <b>05/2016</b> Age <b>05/2016</b> Age Allowance <b>0.065%</b> Offset File <b>TRP62.OFF - 12/10/2017 13:32:44</b> Measurement by - <b>10/07/2017</b>		IMSL <b>18.664m</b> VCGD <b>0.098m</b> Sink <b>53.51kg/mm</b> RL <b>16.210m</b> VCGM <b>0.079m</b> WS <b>67.44m<sup>2</sup></b> LSM0 <b>18.646m</b> Displacement/Length ratio <b>2.4889</b>



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>428.0</b>			<b>483.7</b>		
Time on Time	<b>1.4019</b>			<b>1.3956</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>505.3</b>	<b>389.6</b>	<b>341.2</b>	<b>661.0</b>	<b>488.2</b>	<b>418.1</b>
Time on Time	<b>1.3359</b>	<b>1.7327</b>	<b>1.9783</b>	<b>1.0212</b>	<b>1.3827</b>	<b>1.6145</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>744.0</b>	<b>599.3</b>	<b>547.8</b>	<b>524.5</b>	<b>506.4</b>	<b>490.0</b>	<b>485.8</b>
52°	<b>480.3</b>	<b>394.8</b>	<b>371.1</b>	<b>361.5</b>	<b>355.4</b>	<b>347.7</b>	<b>343.3</b>
60°	<b>448.7</b>	<b>375.2</b>	<b>356.9</b>	<b>349.0</b>	<b>344.2</b>	<b>337.0</b>	<b>328.8</b>
75°	<b>425.2</b>	<b>362.4</b>	<b>342.0</b>	<b>331.5</b>	<b>324.1</b>	<b>319.0</b>	<b>302.5</b>
90°	<b>431.7</b>	<b>365.3</b>	<b>340.0</b>	<b>319.3</b>	<b>306.6</b>	<b>298.5</b>	<b>288.4</b>
110°	<b>452.5</b>	<b>368.9</b>	<b>345.6</b>	<b>327.6</b>	<b>312.1</b>	<b>293.5</b>	<b>261.5</b>
120°	<b>468.9</b>	<b>375.1</b>	<b>340.1</b>	<b>320.6</b>	<b>303.9</b>	<b>287.7</b>	<b>259.6</b>
135°	<b>527.4</b>	<b>411.0</b>	<b>356.7</b>	<b>327.3</b>	<b>297.1</b>	<b>272.5</b>	<b>242.6</b>
150°	<b>634.9</b>	<b>491.5</b>	<b>408.7</b>	<b>362.5</b>	<b>334.0</b>	<b>311.7</b>	<b>256.9</b>
Run VMG	<b>733.1</b>	<b>567.5</b>	<b>472.0</b>	<b>420.9</b>	<b>389.7</b>	<b>359.9</b>	<b>296.7</b>

**Certificate**

Number **US6231**  
ORC Ref **US00000174**  
Issued On **16/10/2018**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

**Crew Weight**

Default **1,674kg**  
Maximum **1,674kg**  
Minimum\* **1,256kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **Sheets**

**Special Scoring**

ToD	ToT
Non Spin GPH <b>477.6</b>	<b>1.2563</b>
Non Spin OSN <b>468.0</b>	<b>1.2820</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>738.5</b>	<b>583.4</b>	<b>509.9</b>	<b>472.7</b>	<b>448.1</b>	<b>424.9</b>	<b>391.3</b>
Circular Random	<b>610.6</b>	<b>490.5</b>	<b>426.6</b>	<b>389.4</b>	<b>365.5</b>	<b>348.3</b>	<b>323.1</b>
Coastal / Long Distance	<b>738.0</b>	<b>547.1</b>	<b>457.6</b>	<b>407.2</b>	<b>377.1</b>	<b>350.4</b>	<b>308.7</b>
Non Spinnaker	<b>675.1</b>	<b>537.7</b>	<b>462.6</b>	<b>417.5</b>	<b>388.1</b>	<b>367.5</b>	<b>340.5</b>

**Sails Limitations**

Headsails	Spinnakers
<b>8</b>	<b>6</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>44.1°</b>	<b>42.1°</b>	<b>40.3°</b>	<b>39.5°</b>	<b>38.8°</b>	<b>37.7°</b>	<b>38.4°</b>
Beat VMG	<b>4.84</b>	<b>6.01</b>	<b>6.57</b>	<b>6.86</b>	<b>7.11</b>	<b>7.35</b>	<b>7.41</b>
52°	<b>7.50</b>	<b>9.12</b>	<b>9.70</b>	<b>9.96</b>	<b>10.13</b>	<b>10.35</b>	<b>10.49</b>
60°	<b>8.02</b>	<b>9.59</b>	<b>10.09</b>	<b>10.31</b>	<b>10.46</b>	<b>10.68</b>	<b>10.95</b>
75°	<b>8.47</b>	<b>9.94</b>	<b>10.53</b>	<b>10.86</b>	<b>11.11</b>	<b>11.29</b>	<b>11.90</b>
90°	<b>8.34</b>	<b>9.85</b>	<b>10.59</b>	<b>11.27</b>	<b>11.74</b>	<b>12.06</b>	<b>12.48</b>
110°	<b>7.96</b>	<b>9.76</b>	<b>10.42</b>	<b>10.99</b>	<b>11.54</b>	<b>12.27</b>	<b>13.77</b>
120°	<b>7.68</b>	<b>9.60</b>	<b>10.59</b>	<b>11.23</b>	<b>11.84</b>	<b>12.51</b>	<b>13.87</b>
135°	<b>6.83</b>	<b>8.76</b>	<b>10.09</b>	<b>11.00</b>	<b>12.12</b>	<b>13.21</b>	<b>14.84</b>
150°	<b>5.67</b>	<b>7.32</b>	<b>8.81</b>	<b>9.93</b>	<b>10.78</b>	<b>11.55</b>	<b>14.01</b>
Run VMG	<b>4.91</b>	<b>6.34</b>	<b>7.63</b>	<b>8.55</b>	<b>9.24</b>	<b>10.00</b>	<b>12.13</b>
Gybe Angles	<b>140.8°</b>	<b>139.6°</b>	<b>145.1°</b>	<b>151.1°</b>	<b>152.2°</b>	<b>148.4°</b>	<b>145.2°</b>

**Class Division Length**

**CDL = 17.439**

**Storm Sails Areas**

Heavy Weather Jib **89.69**  
Storm Jib (JL=16.76) **33.22**  
Storm Trysail **40.26**

**Owner**

<b>BOAT</b>		
Name	<b>CHESSIE RACING</b>	Sail Nr <b>USA 54</b>
File	<b>US6231</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>					
Inclining Test		<b>Boom Inclining</b>		LCFD	
Flotation date		<b>10/03/2018</b>		SG <b>1.0050</b>	
FFM	<b>1.687</b>	FF	<b>1.696</b>	SFFP	<b>0.750</b>
FAM	<b>1.206</b>	FA	<b>1.218</b>	SAFP	<b>18.940</b>
W1	<b>348.5</b>	PD1	<b>261.6</b>	WD	<b>7.291</b>
W2	<b>348.5</b>	PD2	<b>262.6</b>	GSA	<b>1.0</b>
W3	<b>348.5</b>	PD3	<b>263.4</b>	RSA	<b>1.0</b>
W4	<b>348.5</b>	PD4	<b>262.4</b>	PLM	<b>9000.0</b>
LCF from stem on CL / on sheer				<b>10.849 / 11.136</b>	
Maximum beam station from stem				<b>13.500</b>	
RM Measured				<b>762.3kg-m</b>	
RM Default				<b>821.2kg-m</b>	
Limit of positive stability / Stab.Index				<b>111.4° / 116.9</b>	
Freeboard at mast at 8.050				<b>1.583</b>	



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<b>RIG</b>					
Forestay Tension	<b>Aft</b>	Spreaders		<b>3</b>	
Inner Stay	<b>None Fitted</b>	Runners		<b>0</b>	
Carbon Mast	<b>Yes</b>	Jumper Struts		<b>None</b>	
Taper Hollows	<b>No</b>	Jib Furler		<b>Yes</b>	
Fiber Rigging	<b>Yes</b>	Main Furler		<b>No</b>	
Lenticular Rigging	<b>No</b>	Without Backstay		<b>No</b>	
Articulated Bowsprit	<b>No</b>				
P	<b>26.260</b>	E	<b>8.760</b>	MDT1	<b>0.183</b>
IG	<b>25.603</b>	J	<b>7.630</b>	MDL1	<b>0.351</b>
ISP	<b>28.293</b>	SFJ	<b>0.420</b>	MDT2	<b>0.174</b>
BAS	<b>1.735</b>	SPL	<b>0.284</b>	MDL2	<b>0.284</b>
FSP	<b>0.110</b>	TPS	<b>9.515</b>	MWT	<b>537.00</b>
		TL	<b>3.500</b>	MCG	<b>11.240</b>

<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>			
Installation	<b>Strut</b>	PRD	<b>0.520</b>
Type	<b>Folding 3 blades</b>	PBW	<b>0.130</b>
Twin Screw	<b>No</b>	PIPA	<b>0.0042</b>
ST1	<b>0.056</b>	ST3	<b>0.193</b>
ST2	<b>0.193</b>	ST4	<b>0.104</b>
		ST5	<b>0.422</b>
		EDL	<b>4.199</b>

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<b>COMMENTS</b>	
197278J; OFFSETS CORRELATED 10/2017 2017 DSPM=FULL OUTFIT 2016 IRC SCALE= NOT OUTFITTED MHB/MQW BY PHONE NORTH ANNAPOLIS	

<b>MOVABLE BALLAST</b>	
N/A	



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<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.335	1.56	2.88	5.18	7.05	128.90	130.41	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				
	31.15	27.60	29.38	16.25	16.70	399.99		AS · (SFL + 4·SHW) / 6	

<b>HEADSAILS</b>												
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
1.34	2.24	4.02			7.69	25.82	103.23	N	N		Unknow	

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date	<b>03/10/2018</b>			
Comment				
Id	Item	Weight	Distance	VCG Description
Tools				
Id	Item	Weight Description		

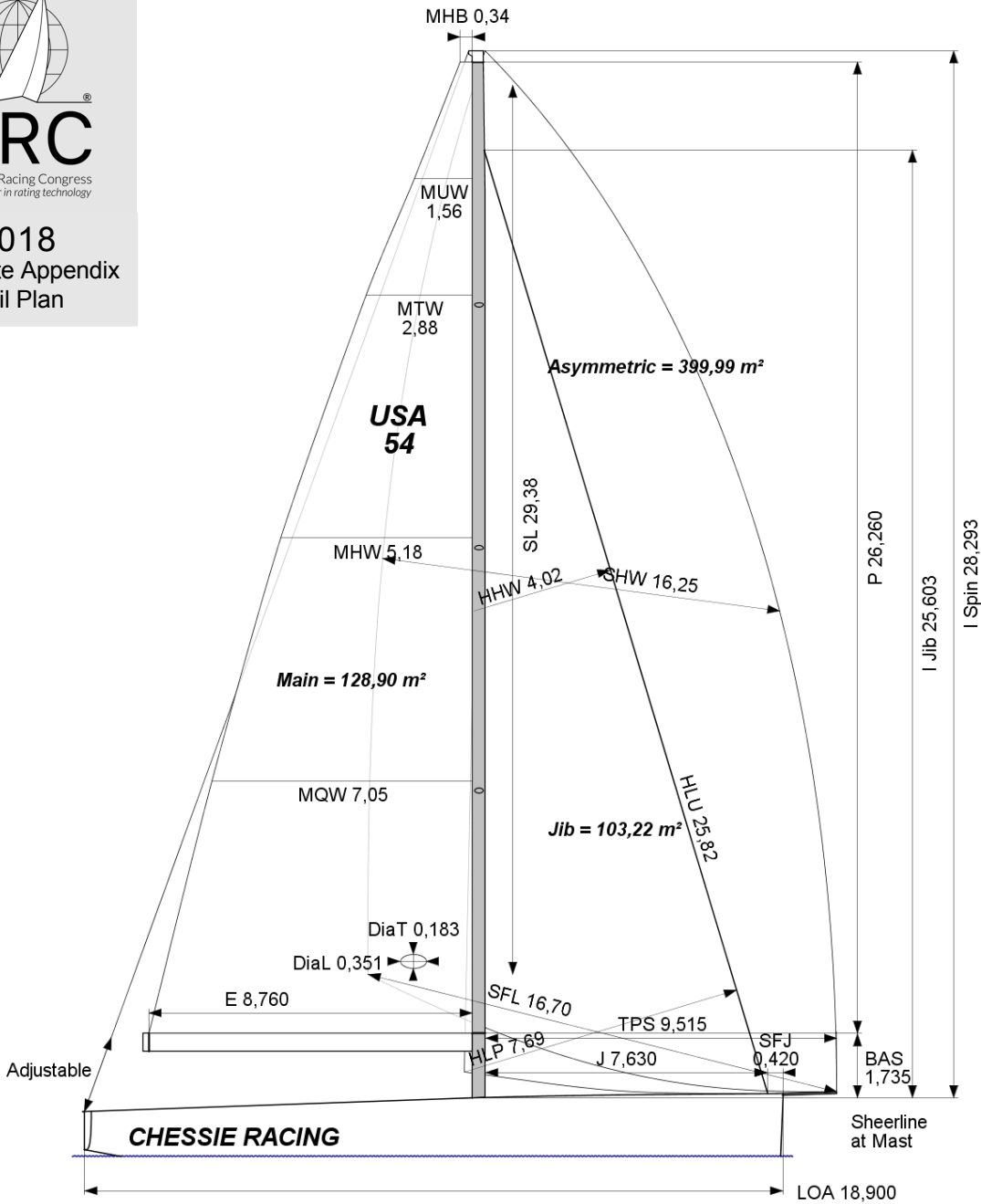
<b>MEASUREMENT INVENTORY</b>									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
2	Tank	Fuel		SS	200.0	12.63	-0.25	443.2	Stbd fuel
1	Tank	Fuel		SS	200.0	12.63	-0.25	444.4	Port fuel
Id	Item	Weight	Distance	VCG Description					



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Sail Plan



**SAILS INVENTORY**

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
N-MAIN	0.34	1.56	2.88	5.18	7.05	128.91				Unknown	CRUISE					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J2		1.34	2.24	4.02		7.69	25.82	101%	103.23	N	N				Unknown	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
A4-114308-	31.15	27.60	29.38	16.25	16.70	399.99	asym				Unknown					
A0-114308-	28.75	26.80	27.77	9.57	12.75	236.23	asym				Unknown					