

<b>BOAT</b> Name <b>KRAKEN</b> Sail Nr <b>GRE-302</b>	<b>GPH</b> <b>611.7</b>	<b>HULL</b> Length Overall <b>9.529m</b> Maximum Beam <b>3.288m</b> Displacement <b>2,915kg</b> Draft <b>1.980m</b> Plan Review IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.000%</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension IMSL <b>8.672m</b> VCGD <b>-0.206m</b> Sink <b>15.02kg/mm</b> RL <b>8.575m</b> VCGM <b>-0.049m</b> WS <b>18.97m<sup>2</sup></b> LSM0 <b>8.444m</b> Displacement/Length ratio <b>4.8417</b>
<b>GENERAL</b> Class <b>MOUNT GAY 30</b> Designer <b>S. ROGERS</b> Builder <b>YACHT SERVICES</b> Series <b>12/1993</b> Age <b>02/1997</b> Age Allowance <b>0.487%</b> Offset File <b>K17001.OFF - 18/03/1997 07:21:00</b> Measurement by - <b>29/05/2006</b>		



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>596.3</b>			<b>667.8</b>		
Time on Time	<b>1.0062</b>			<b>1.0108</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>687.0</b>	<b>547.0</b>	<b>487.8</b>	<b>880.5</b>	<b>668.3</b>	<b>593.9</b>
Time on Time	<b>0.9826</b>	<b>1.2339</b>	<b>1.3837</b>	<b>0.7666</b>	<b>1.0100</b>	<b>1.1365</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1000.6</b>	<b>834.0</b>	<b>747.1</b>	<b>721.1</b>	<b>711.6</b>	<b>707.9</b>	<b>707.6</b>
52°	<b>658.3</b>	<b>563.6</b>	<b>527.7</b>	<b>514.7</b>	<b>509.0</b>	<b>506.0</b>	<b>501.7</b>
60°	<b>622.5</b>	<b>546.1</b>	<b>515.7</b>	<b>499.4</b>	<b>491.5</b>	<b>487.0</b>	<b>482.1</b>
75°	<b>597.6</b>	<b>534.4</b>	<b>505.5</b>	<b>480.7</b>	<b>463.1</b>	<b>454.3</b>	<b>446.5</b>
90°	<b>604.6</b>	<b>530.0</b>	<b>502.9</b>	<b>476.9</b>	<b>450.7</b>	<b>430.0</b>	<b>409.7</b>
110°	<b>605.5</b>	<b>523.3</b>	<b>483.9</b>	<b>452.0</b>	<b>433.4</b>	<b>415.8</b>	<b>386.5</b>
120°	<b>621.8</b>	<b>530.4</b>	<b>489.8</b>	<b>451.1</b>	<b>417.6</b>	<b>395.6</b>	<b>361.3</b>
135°	<b>685.4</b>	<b>563.3</b>	<b>512.8</b>	<b>476.1</b>	<b>440.2</b>	<b>403.7</b>	<b>328.2</b>
150°	<b>810.1</b>	<b>651.2</b>	<b>558.5</b>	<b>512.1</b>	<b>478.4</b>	<b>445.4</b>	<b>376.9</b>
Run VMG	<b>935.4</b>	<b>751.9</b>	<b>641.8</b>	<b>574.6</b>	<b>526.5</b>	<b>494.3</b>	<b>432.6</b>

**Certificate**  
Number **00620**  
ORC Ref **03420000NBK**  
Issued On **29/07/2020**  
VPP Ver. **2020 1.02**  
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**Crew Weight**  
Default 541kg  
Maximum **640kg**  
Minimum\* **480kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **645.8 0.9291**  
Non Spin OSN **628.8 0.9542**

<b>Selected Courses</b>							
Windward / Leeward	<b>968.0</b>	<b>793.0</b>	<b>694.5</b>	<b>647.9</b>	<b>619.0</b>	<b>601.1</b>	<b>570.1</b>
Circular Random	<b>828.8</b>	<b>675.7</b>	<b>594.7</b>	<b>547.7</b>	<b>517.9</b>	<b>497.0</b>	<b>466.4</b>
Coastal / Long Distance	<b>964.7</b>	<b>747.3</b>	<b>632.1</b>	<b>569.6</b>	<b>530.9</b>	<b>498.8</b>	<b>444.5</b>
Non Spinnaker	<b>889.7</b>	<b>718.5</b>	<b>626.7</b>	<b>573.1</b>	<b>539.4</b>	<b>516.3</b>	<b>484.6</b>

**Sails Limitations**  
Headsails **5** Spinnakers **4**

<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>42.4°</b>	<b>41.3°</b>	<b>39.0°</b>	<b>38.3°</b>	<b>38.1°</b>	<b>37.9°</b>	<b>38.6°</b>
Beat VMG	<b>3.60</b>	<b>4.32</b>	<b>4.82</b>	<b>4.99</b>	<b>5.06</b>	<b>5.09</b>	<b>5.09</b>
52°	<b>5.47</b>	<b>6.39</b>	<b>6.82</b>	<b>6.99</b>	<b>7.07</b>	<b>7.11</b>	<b>7.18</b>
60°	<b>5.78</b>	<b>6.59</b>	<b>6.98</b>	<b>7.21</b>	<b>7.32</b>	<b>7.39</b>	<b>7.47</b>
75°	<b>6.02</b>	<b>6.74</b>	<b>7.12</b>	<b>7.49</b>	<b>7.77</b>	<b>7.92</b>	<b>8.06</b>
90°	<b>5.95</b>	<b>6.79</b>	<b>7.16</b>	<b>7.55</b>	<b>7.99</b>	<b>8.37</b>	<b>8.79</b>
110°	<b>5.95</b>	<b>6.88</b>	<b>7.44</b>	<b>7.96</b>	<b>8.31</b>	<b>8.66</b>	<b>9.31</b>
120°	<b>5.79</b>	<b>6.79</b>	<b>7.35</b>	<b>7.98</b>	<b>8.62</b>	<b>9.10</b>	<b>9.96</b>
135°	<b>5.25</b>	<b>6.39</b>	<b>7.02</b>	<b>7.56</b>	<b>8.18</b>	<b>8.92</b>	<b>10.97</b>
150°	<b>4.44</b>	<b>5.53</b>	<b>6.45</b>	<b>7.03</b>	<b>7.52</b>	<b>8.08</b>	<b>9.55</b>
Run VMG	<b>3.85</b>	<b>4.79</b>	<b>5.61</b>	<b>6.26</b>	<b>6.84</b>	<b>7.28</b>	<b>8.32</b>
Gybe Angles	<b>142.0°</b>	<b>148.0°</b>	<b>153.0°</b>	<b>162.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **8.617**

**Storm Sails Areas**  
Heavy Weather Jib **17.73**  
Storm Jib (JL=7.45) **6.57**  
Storm Trysail **10.23**

**Owner**

<b>BOAT</b>	
Name <b>KRAKEN</b>	Sail Nr <b>GRE-302</b>
File <b>GR302</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>					
Inclining Test <b>Current Inclining</b>					
Flotation date <b>30/05/2006</b>				SG <b>1.0300</b>	
FFM	<b>1.088</b>	FF	<b>1.085</b>	SFFP	<b>0.484</b>
FAM	<b>0.803</b>	FA	<b>0.810</b>	SAFP	<b>8.765</b>
W1	<b>64.5</b>	PD1	<b>201.0</b>	WD	<b>9.730</b>
W2	<b>64.5</b>	PD2	<b>201.0</b>	GSA	<b>113.1</b>
W3	<b>64.5</b>	PD3	<b>201.0</b>	RSA	<b>113.1</b>
W4	<b>64.5</b>	PD4	<b>201.0</b>	PLM	<b>3110.0</b>
LCF from stem on CL / on sheer				<b>5.437 / 5.668</b>	
Maximum beam station from stem				<b>6.887</b>	
RM Measured				<b>85.0kg-m</b>	
RM Default				<b>77.9kg-m</b>	
Limit of positive stability / Stab.Index				<b>112.9° / 107.2</b>	
Freeboard at mast at 3.775				<b>0.907</b>	



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<b>RIG</b>					
Forestay Tension	<b>Aft</b>	Runners/Checkstays		<b>3</b>	
Inner Stay	<b>None Fitted</b>	Main Furler		<b>No</b>	
Carbon Mast	<b>No</b>	Jib Furler		<b>No</b>	
Fiber Rigging	<b>No</b>	Main Furler		<b>No</b>	
Non-Circular Rigging	<b>No</b>	Main Furler		<b>No</b>	
Articulated Bowsprit	<b>No</b>	Main Furler		<b>No</b>	
P	<b>12.700</b>	E	<b>4.600</b>	MDT1	<b>0.116</b>
IG	<b>11.410</b>	J	<b>3.435</b>	MDL1	<b>0.165</b>
ISP	<b>13.950</b>	SFJ	<b>0.340</b>	MDT2	<b>0.095</b>
BAS	<b>1.460</b>	SPL	<b>3.720</b>	MDL2	<b>0.132</b>
FSD	<b>0.033</b>	TPS		TL	<b>1.404</b>
				MW	<b>0.165</b>
				GO	<b>0.180</b>
				BD	<b>0.150</b>
				MWT	<b>136.00</b>
				MCG	<b>5.172</b>

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

<b>PROPELLER</b>			
Installation	<b>Strut</b>	PRD	<b>0.356</b>
Type	<b>Folding 2 blades</b>	PBW	<b>0.117</b>
Twin Screw	<b>No</b>	PIPA	<b>0.0032</b>
ST1	<b>0.040</b>	ST3	<b>0.180</b>
ST2	<b>0.180</b>	ST4	<b>0.110</b>
		ST5	<b>0.275</b>
		EDL	<b>1.535</b>

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<b>COMMENTS</b>	
ex "RED HOT"	

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

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
<b>Mainsail</b>	<b>MHB</b>	<b>MUW</b>	<b>MTW</b>	<b>MHW</b>	<b>MQW</b>	<b>Area</b>	<b>Area (r)</b>	<b>Formula</b>	
	0.18	1.13	1.94	3.15	4.04	36.69	37.74	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
<b>Symmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>				
	14.27	14.27	14.27	7.40	7.42	88.05		SL · (SFL + 4·SHW) / 6	
<b>Asymmetric</b>									
Not Available									

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Flying</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.08	0.66	1.26	2.46	3.69	4.92	11.23	27.79		No	28/06/2014	Polyest	LM technora
0.11	0.60	1.14	2.23	3.32	4.40	11.15	24.87	N	No	21/04/2013	Polyest	ultra light mylar
0.08	0.50	0.98	1.99	3.12	4.36	11.02	22.97		No	21/04/2013	Pentex	H black
0.11	0.49	0.90	1.72	2.56	3.39	11.21	19.37	Y	No	29/07/2019	Dacron	#3

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date <b>31/05/2006</b>				
Comment				
<b>Internal Ballast total = 0.0</b>				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
4	Anchor	5.5	7.80	Grapple
2	Anchor	9.0	7.80	GQR
4	Chain	18.0	7.80	chain + rope
4	Tools	6.0	4.50	
2	Tools	8.0	7.80	WB tanks
<b>Id</b>	<b>Item</b>	<b>Maker</b>	<b>Model</b>	
1	Engine	Yanmar	1GM10C	
<b>Id</b>	<b>Item</b>	<b>Weight Description</b>		
4	Deck Gear	12.0		

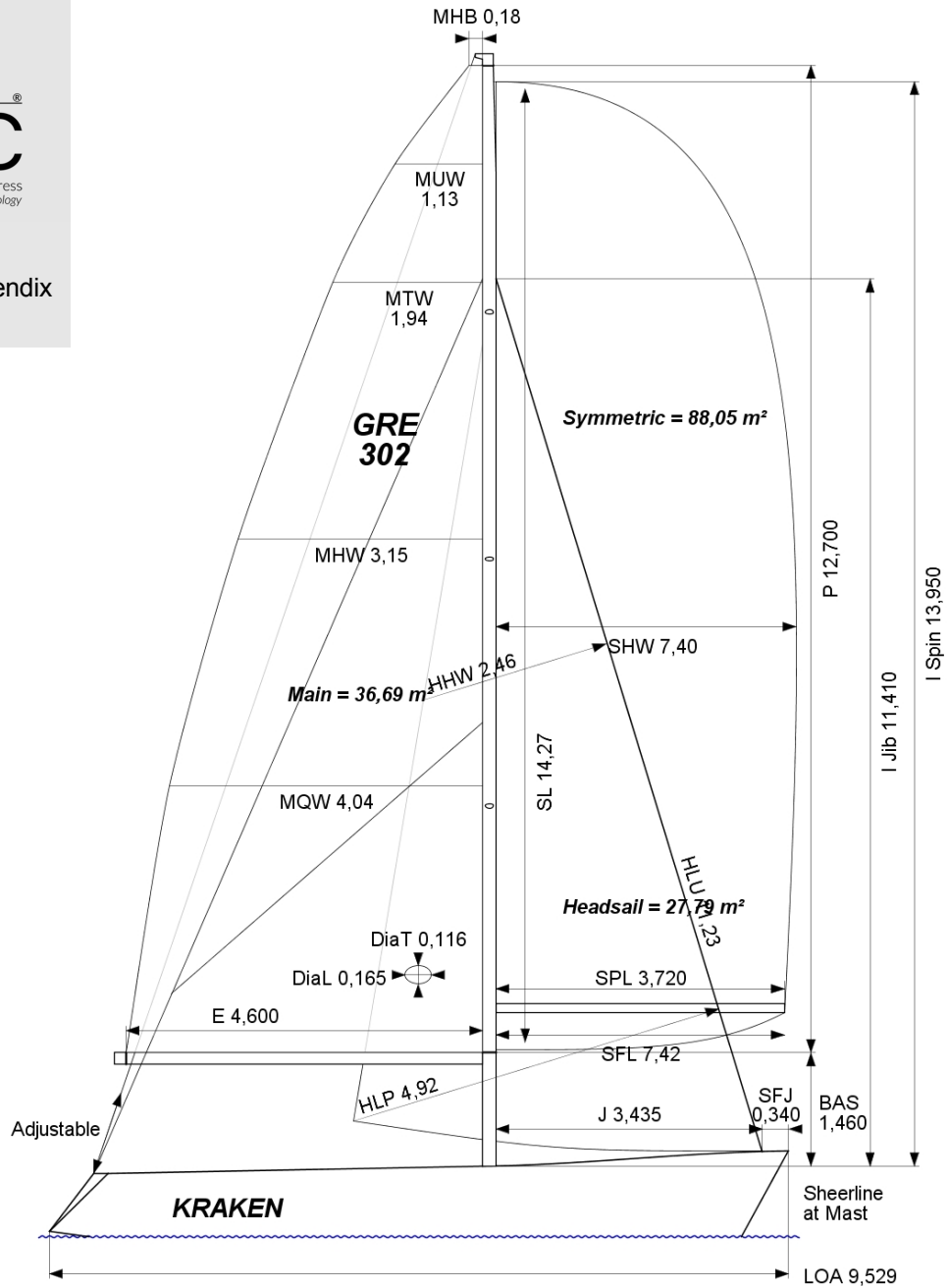
<b>MEASUREMENT INVENTORY</b>							
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn Description</b>
1	Tank Fuel		PVC	25.0	7.80		0-0
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>			
1	Battery	44.0	6.10	1 x 85Ah + 1 x 80Ah			
2	Battery	13.0	4.50	1 x 44Ah			



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (3)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
5	0.18	1.13	1.94	3.15	4.04	36.69		03/04/2017	Kakitsis	Dacron	
1	0.17	1.11	1.94	3.15	4.05	36.68		01/09/2006	Kakitsis	Kevlar	

**HEADSAILS (4)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
5	0.08	0.66	1.26	2.46	3.69	4.92	11.23	143%	27.79		No		28/06/2014	SAILLOFT	Polyest	LM technora
3	0.11	0.60	1.14	2.23	3.32	4.40	11.15	128%	24.87	N	No		21/04/2013	KAKITSIS	Polyest	ultra light mylar
4	0.08	0.50	0.98	1.99	3.12	4.36	11.02	127%	22.97		No		21/04/2013	OS3	Pentex	H black
6	0.11	0.49	0.90	1.72	2.56	3.39	11.21	99%	19.37	Y	No		29/07/2019	Quantum	Dacron	#3

**SYMMETRIC SPINNAKERS (6)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
6	14.27	14.27	14.27	7.40	7.42	88.05		25/07/2020	UK	Unknown	0.60
1	14.21	14.21	14.21	7.43	7.41	87.94		03/04/2017	Banks	Nylon	0.5 masth S1 red
3	13.82	13.82	13.82	7.20	7.00	82.46		15/03/2007	OS3	Nylon	0.75 masth blue-white
2	13.75	13.75	13.75	7.20	6.98	82.00		15/03/2007	OS3	Nylon	0.5 masth red
5	14.19	14.19	14.19	6.68	6.75	79.16		25/07/2020	Banks	Nylon	0.75 white

**ASYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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