



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020**  
**ORC Club**  
**Certificate**

**Rating Office**

**EYU**  
**Purje 8**  
**11911, Tallinn**  
**Estonia**

**Certificate**

Number **Est284**  
Issued On **5/21/2020**  
ORC Ref **03580000ILC**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 370kg  
Maximum **320kg**  
Minimum\* **235kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>786.9</b>	<b>0.7625</b>
Non Spin OSN	<b>765.9</b>	<b>0.7834</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**

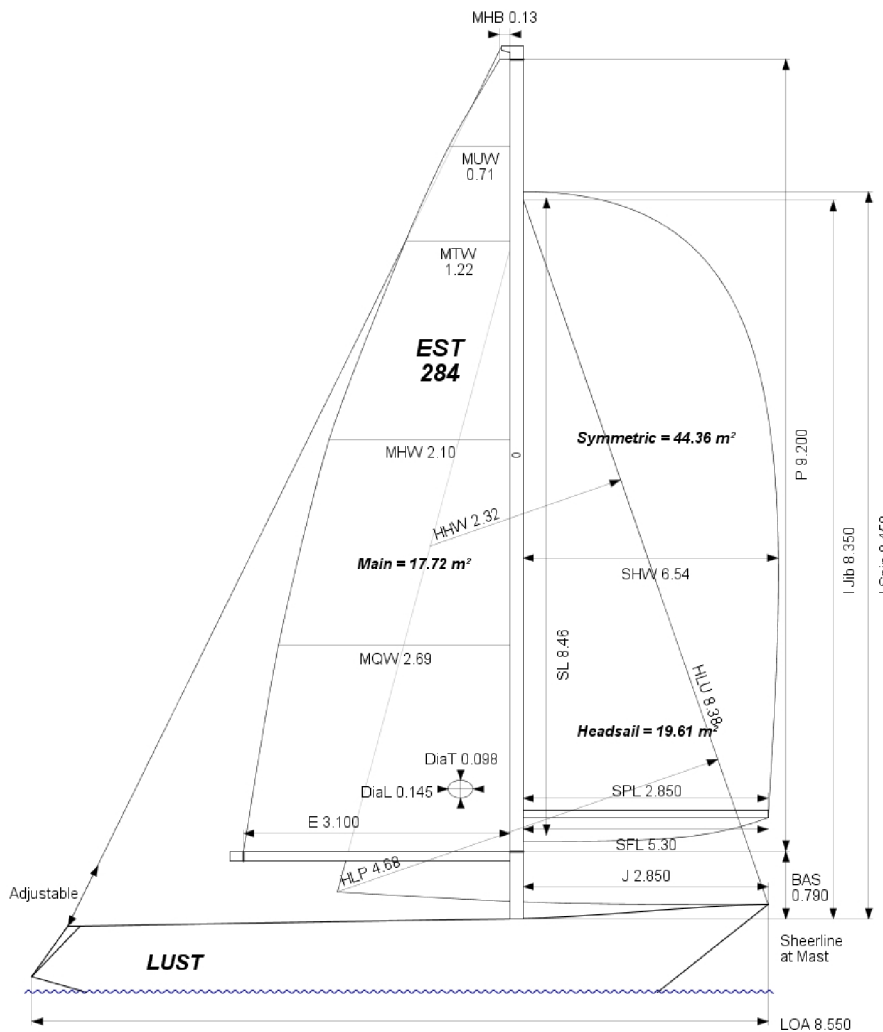
Symmetric: **Yes** **44.36**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**

**CDL = 5.903**

**Stability (Estimated)**

Limit Positive Stab.: **138.0°**  
Stability Index: **141.1**



BOAT	GPH	HULL
Name <b>LUST</b> Sail Nr <b>EST 284</b>	<b>760.0</b>	Data File <b>Est0284</b> LOA <b>8.550m</b> Offset File <b>RJ85_CL.off</b> MB <b>2.012m</b> Displacement <b>2,300kg</b> Draft <b>1.218m</b>
<b>CLASS</b> Class <b>RJ 85</b> Designer Builder <b>Jakobssen</b> Series <b>01/1969</b> Age Date <b>01/1976</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.352%</b> Plan Review Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>
<b>COMMENTS</b> Kaal koos p�aramootoriga		IMSL <b>6.644m</b> VCGD <b>-0.245m</b> Sink <b>8.17kg/mm</b> RL <b>5.161m</b> VCGM <b>-0.194m</b> WS <b>13.98m²</b> LSM0 <b>6.467m</b> Displacement/Length ratio
<b>PROPELLER</b> Type <b>No Propeller</b>		Water Ballast Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b>  N/A
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>741.7</b>	<b>830.3</b>
Time on Time	<b>0.8089</b>	<b>0.8129</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>858.2 674.8 618.4</b>	<b>1110.0 830.6 741.9</b>
Time on Time	<b>0.7865 1.0003 1.0916</b>	<b>0.6081 0.8127 0.9098</b>

<b>BOAT</b>	
Name <b>LUST</b>	Sail Nr <b>EST 284</b>
File <b>Est0284</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>15/10/2019</b>		SG	
FFM	FF <b>0.998</b>	SFFP	<b>0.573</b>
FAM	FA <b>0.605</b>	SAFP	<b>7.992</b>
LCF from stem on CL / on sheer		<b>4.728 / 4.827</b>	
Maximum beam station from stem		<b>4.560</b>	
RM Measured		<b>22.9kg·m</b>	
RM Default		<b>22.2kg·m</b>	
Limit of positive stability / Stab.Index		<b>138.0° / 141.1</b>	
Freeboard at mast at 2.850		<b>0.844</b>	



**2020**  
Measurements  
Datasheet

<b>RIG</b>					
Forestay Tension	<b>Aft</b>	Spreaders		<b>1</b>	
Inner Stay	<b>None Fitted</b>	Runners/Checkstays		<b>0</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>				
Articulated Bowsprit					
P	<b>9.200</b>	E	<b>3.100</b>	MDT1	<b>0.098</b>
IG	<b>8.350</b>	J	<b>2.850</b>	MDL1	<b>0.145</b>
ISP	<b>8.450</b>	SFJ		MDT2	<b>0.000</b>
BAS	<b>0.790</b>	SPL	<b>2.850</b>	MDL2	<b>0.000</b>
FSD	<b>0.000</b>	TPS		TL	<b>0.000</b>
				MW	<b>0.000</b>
				GO	<b>0.000</b>
				BD	
				MWT	
				MCG	

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

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

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<b>COMMENTS</b>	
Kaal koos pãramootoriga	

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

<b>CENTERBOARD</b>	
N/A	

<b>SAILS INVENTORY</b>																
<b>MAINSAIL (1)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.13	0.71	1.22	2.10	2.69	17.58										
<b>HEADSAILS (3)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.05	0.60	1.17	2.32	3.51	4.68	8.38	164%	19.61		No					
1	0.05	0.59	1.16	2.33	3.50	4.72	8.22	166%	19.27		No					
2	0.03	0.33	0.64	1.28	1.95	2.63	6.90	92%	8.98		No					
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	8.46	8.46	8.46	6.54	5.30	44.36										
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	LUST	Certificate Number	Est284
Sail Nr	EST 284	Issued On	5/21/2020

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1286.3</b>	<b>1073.0</b>	<b>968.1</b>	<b>929.5</b>	<b>915.1</b>	<b>909.9</b>	<b>916.5</b>
52°	833.8	705.3	644.8	626.5	619.3	616.3	615.8
60°	783.2	668.3	622.0	605.8	599.3	596.2	595.8
75°	745.1	642.5	605.1	587.0	576.5	570.8	567.0
90°	753.1	639.3	599.6	579.2	563.3	550.5	535.9
110°	744.0	624.1	583.9	559.6	543.4	531.8	513.0
120°	773.9	633.7	587.5	559.6	534.0	513.0	491.9
135°	865.8	694.9	607.7	575.4	548.2	520.8	473.9
150°	1004.1	798.2	668.4	602.9	574.0	548.6	498.4
Run VMG	1159.4	921.4	770.6	671.3	611.9	580.9	531.6
<b>Selected Courses</b>							
Windward / Leeward	1222.9	997.2	869.3	800.4	763.5	745.4	724.0
Circular Random	1034.8	839.5	737.3	680.5	647.7	627.8	604.9
Coastal / Long Distance	1216.5	934.7	783.5	702.7	660.1	626.8	573.7
Non Spinnaker	1082.9	873.7	762.8	700.2	663.4	640.9	616.0

<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>43.5°</b>	<b>42.4°</b>	<b>42.8°</b>	<b>42.4°</b>	<b>42.2°</b>	<b>42.4°</b>	<b>43.1°</b>
Beat VMG	<b>2.80</b>	<b>3.35</b>	<b>3.72</b>	<b>3.87</b>	<b>3.93</b>	<b>3.96</b>	<b>3.93</b>
52°	4.32	5.10	5.58	5.75	5.81	5.84	5.85
60°	4.60	5.39	5.79	5.94	6.01	6.04	6.04
75°	4.83	5.60	5.95	6.13	6.25	6.31	6.35
90°	4.78	5.63	6.00	6.22	6.39	6.54	6.72
110°	4.84	5.77	6.17	6.43	6.62	6.77	7.02
120°	4.65	5.68	6.13	6.43	6.74	7.02	7.32
135°	4.16	5.18	5.92	6.26	6.57	6.91	7.60
150°	3.59	4.51	5.39	5.97	6.27	6.56	7.22
Run VMG	3.10	3.91	4.67	5.36	5.88	6.20	6.77
Gybe Angles	<b>148.0°</b>	<b>152.0°</b>	<b>151.0°</b>	<b>165.3°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>