

<b>BOAT</b> Name <b>REVE DE VIE</b> Sail Nr <b>ITA-16800</b>	<b>GPH</b> <b>561.6</b>	<b>HULL</b> Length Overall <b>13.290m</b> Maximum Beam <b>3.980m</b> Displacement <b>8,819kg</b> Draft <b>2.390m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.125%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>Yes</b> Crew Arm Extension
<b>GENERAL</b> Class <b>GRAND SOLEIL 43 R</b> Designer <b>MALETTO</b> Builder <b>CANTIERI DEL PARDO</b> Series <b>09/2012</b> Age <b>01/2013</b> Age Allowance <b>0.228%</b> Offset File <b>I16800A.off - 24/03/2017 15:45:04</b> Measurement by - <b>08/05/2019</b>		IMSLS <b>12.094m</b> VCGD <b>0.045m</b> Sink <b>27.54kg/mm</b> RL <b>10.420m</b> VCGM <b>0.043m</b> WS <b>37.09m<sup>2</sup></b> LSM0 <b>11.852m</b> Displacement/Length ratio <b>5.2972</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>546.9</b>			<b>614.6</b>		
Time on Time	<b>1.0972</b>			<b>1.0982</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>647.6</b>	<b>495.9</b>	<b>440.8</b>	<b>847.4</b>	<b>617.3</b>	<b>532.7</b>
Time on Time	<b>1.0423</b>	<b>1.3611</b>	<b>1.5314</b>	<b>0.7966</b>	<b>1.0935</b>	<b>1.2672</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>975.5</b>	<b>793.8</b>	<b>694.4</b>	<b>654.1</b>	<b>637.2</b>	<b>629.3</b>	<b>611.2</b>
52°	<b>627.2</b>	<b>518.4</b>	<b>468.3</b>	<b>451.6</b>	<b>445.1</b>	<b>442.0</b>	<b>433.8</b>
60°	<b>583.4</b>	<b>488.3</b>	<b>450.7</b>	<b>438.4</b>	<b>432.3</b>	<b>429.1</b>	<b>422.3</b>
75°	<b>544.2</b>	<b>466.5</b>	<b>437.1</b>	<b>422.7</b>	<b>415.1</b>	<b>409.9</b>	<b>404.2</b>
90°	<b>541.5</b>	<b>466.7</b>	<b>437.3</b>	<b>419.5</b>	<b>404.5</b>	<b>392.3</b>	<b>378.9</b>
110°	<b>573.0</b>	<b>471.9</b>	<b>431.6</b>	<b>409.0</b>	<b>393.8</b>	<b>382.1</b>	<b>349.9</b>
120°	<b>589.1</b>	<b>481.7</b>	<b>436.9</b>	<b>411.7</b>	<b>387.5</b>	<b>367.0</b>	<b>342.2</b>
135°	<b>658.3</b>	<b>529.0</b>	<b>459.5</b>	<b>428.4</b>	<b>404.8</b>	<b>380.6</b>	<b>332.2</b>
150°	<b>783.3</b>	<b>619.8</b>	<b>522.5</b>	<b>464.3</b>	<b>432.7</b>	<b>410.6</b>	<b>366.6</b>
Run VMG	<b>904.5</b>	<b>715.6</b>	<b>603.3</b>	<b>532.5</b>	<b>485.4</b>	<b>448.6</b>	<b>403.6</b>

**Certificate**  
Number **168001**  
ORC Ref **ITA00052416**  
Issued On **13/05/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default **877kg**  
Maximum **860kg**  
Minimum\* **645kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>570.2</b>	<b>1.0522</b>
Double H.OSN	<b>556.7</b>	<b>1.0778</b>
Non Spin GPH	<b>597.0</b>	<b>1.0050</b>
Non Spin OSN	<b>580.2</b>	<b>1.0341</b>

Selected Courses							
Windward / Leeward	<b>940.0</b>	<b>754.7</b>	<b>648.8</b>	<b>593.3</b>	<b>561.3</b>	<b>538.9</b>	<b>507.4</b>
Circular Random	<b>777.2</b>	<b>625.5</b>	<b>544.4</b>	<b>497.6</b>	<b>468.7</b>	<b>449.2</b>	<b>422.1</b>
Coastal / Long Distance	<b>936.4</b>	<b>706.6</b>	<b>582.7</b>	<b>515.2</b>	<b>478.9</b>	<b>450.4</b>	<b>405.0</b>
Non Spinnaker	<b>842.2</b>	<b>671.1</b>	<b>577.8</b>	<b>522.8</b>	<b>488.7</b>	<b>466.1</b>	<b>436.6</b>

**Sails Limitations**

Headsails	Spinnakers
<b>6</b>	<b>4</b>

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	<b>43.9°</b>	<b>43.0°</b>	<b>41.3°</b>	<b>40.3°</b>	<b>39.5°</b>	<b>39.0°</b>	<b>38.6°</b>
Beat VMG	<b>3.69</b>	<b>4.53</b>	<b>5.18</b>	<b>5.50</b>	<b>5.65</b>	<b>5.72</b>	<b>5.89</b>
52°	<b>5.74</b>	<b>6.94</b>	<b>7.69</b>	<b>7.97</b>	<b>8.09</b>	<b>8.15</b>	<b>8.30</b>
60°	<b>6.17</b>	<b>7.37</b>	<b>7.99</b>	<b>8.21</b>	<b>8.33</b>	<b>8.39</b>	<b>8.52</b>
75°	<b>6.62</b>	<b>7.72</b>	<b>8.24</b>	<b>8.52</b>	<b>8.67</b>	<b>8.78</b>	<b>8.91</b>
90°	<b>6.65</b>	<b>7.71</b>	<b>8.23</b>	<b>8.58</b>	<b>8.90</b>	<b>9.18</b>	<b>9.50</b>
110°	<b>6.28</b>	<b>7.63</b>	<b>8.34</b>	<b>8.80</b>	<b>9.14</b>	<b>9.42</b>	<b>10.29</b>
120°	<b>6.11</b>	<b>7.47</b>	<b>8.24</b>	<b>8.74</b>	<b>9.29</b>	<b>9.81</b>	<b>10.52</b>
135°	<b>5.47</b>	<b>6.81</b>	<b>7.83</b>	<b>8.40</b>	<b>8.89</b>	<b>9.46</b>	<b>10.84</b>
150°	<b>4.60</b>	<b>5.81</b>	<b>6.89</b>	<b>7.75</b>	<b>8.32</b>	<b>8.77</b>	<b>9.82</b>
Run VMG	<b>3.98</b>	<b>5.03</b>	<b>5.97</b>	<b>6.76</b>	<b>7.42</b>	<b>8.03</b>	<b>8.92</b>
Gybe Angles	<b>143.0°</b>	<b>146.0°</b>	<b>148.3°</b>	<b>153.9°</b>	<b>161.7°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **11.258**

**Storm Sails Areas**  
Heavy Weather Jib **38.76**  
Storm Jib (JL=11.02) **14.36**  
Storm Trysail **16.61**

**Owner**

<b>BOAT</b>	
Name <b>REVE DE VIE</b>	Sail Nr <b>ITA-16800</b>
File <b>I16800</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>2</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>No</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>16.500</b>	E <b>5.750</b> MDT1 <b>0.130</b> MW <b>0.250</b>
IG <b>16.800</b>	J <b>5.300</b> MDL1 <b>0.250</b> GO <b>0.295</b>
ISP <b>17.750</b>	SFJ <b>0.000</b> MDT2 <b>0.105</b> BD <b>0.295</b>
BAS <b>1.900</b>	SPL <b>5.300</b> MDL2 <b>0.203</b> MWT <b>177.50</b>
FSP <b>0.068</b>	TPS <b>6.490</b> TL <b>1.800</b> MCG <b>6.870</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>04/05/2017</b>	SG <b>1.0240</b>	
FFM <b>1.478</b>	FF <b>1.478</b>	SFFP <b>0.251</b>
FAM <b>1.128</b>	FA <b>1.130</b>	SAFP <b>11.941</b>
W1 <b>108.1</b>	PD1 <b>512.2</b>	WD <b>14.510</b>
W2 <b>108.1</b>	PD2 <b>516.9</b>	GSA <b>1.0</b>
W3 <b>108.1</b>	PD3 <b>509.9</b>	RSA <b>1.0</b>
W4 <b>108.1</b>	PD4 <b>509.6</b>	PLM <b>9000.0</b>
LCF from stem on CL / on sheer		<b>7.109 / 7.354</b>
Maximum beam station from stem		<b>8.591</b>
RM Measured		<b>241.2kg-m</b>
RM Default		<b>252.8kg-m</b>
Limit of positive stability / Stab.Index		<b>122.4° / 126.8</b>
Freeboard at mast at 5.300		<b>1.435</b>



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

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0.490</b>	
Type <b>Folding 2 blades</b>	PBW <b>0.125</b>	
Twin Screw <b>No</b>	PIPA <b>0.0041</b>	
ST1 <b>0.065</b>	ST3 <b>0.180</b>	ST5 <b>0.310</b>
ST2 <b>0.180</b>	ST4 <b>0.110</b>	EDL <b>3.290</b>

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<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	



<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.550	1.43	2.33	3.78	4.90	58.39	59.72	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	17.25	17.25	17.25	9.75	9.60	139.72	SL · (SFL + 4·SHW) / 6		
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL				
	19.75	17.20	18.48	9.20	9.94	143.92	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)												
<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>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.09	0.77	1.50	3.04	4.67	6.29	18.04	55.96	N	Y	06/05/2019	Carbon	
0.14	1.00	1.82	3.11	4.30	5.47	16.68	49.77	Y	N	24/06/2017	Carbon	JL
0.12	0.97	1.78	3.04	4.24	5.46	16.69	49.10	Y	N	24/06/2017	Carbon	JM
0.13	1.03	1.83	3.05	4.14	5.17	16.48	47.63	N	N	18/03/2015	Unknow	
0.15	0.87	1.60	2.83	3.95	5.06	16.45	44.82	N	N	30/04/2014	Unknow	
0.15	0.86	1.58	2.83	3.95	5.05	16.40	44.58	N	N	30/04/2014	Unknow	

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>149</b>				
Date <b>04/05/2017</b>				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
<b>Id</b>	<b>Item</b>	<b>Maker</b>	<b>Model</b>	
A	Engine	VOLVO	55 HP	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Description</b>	

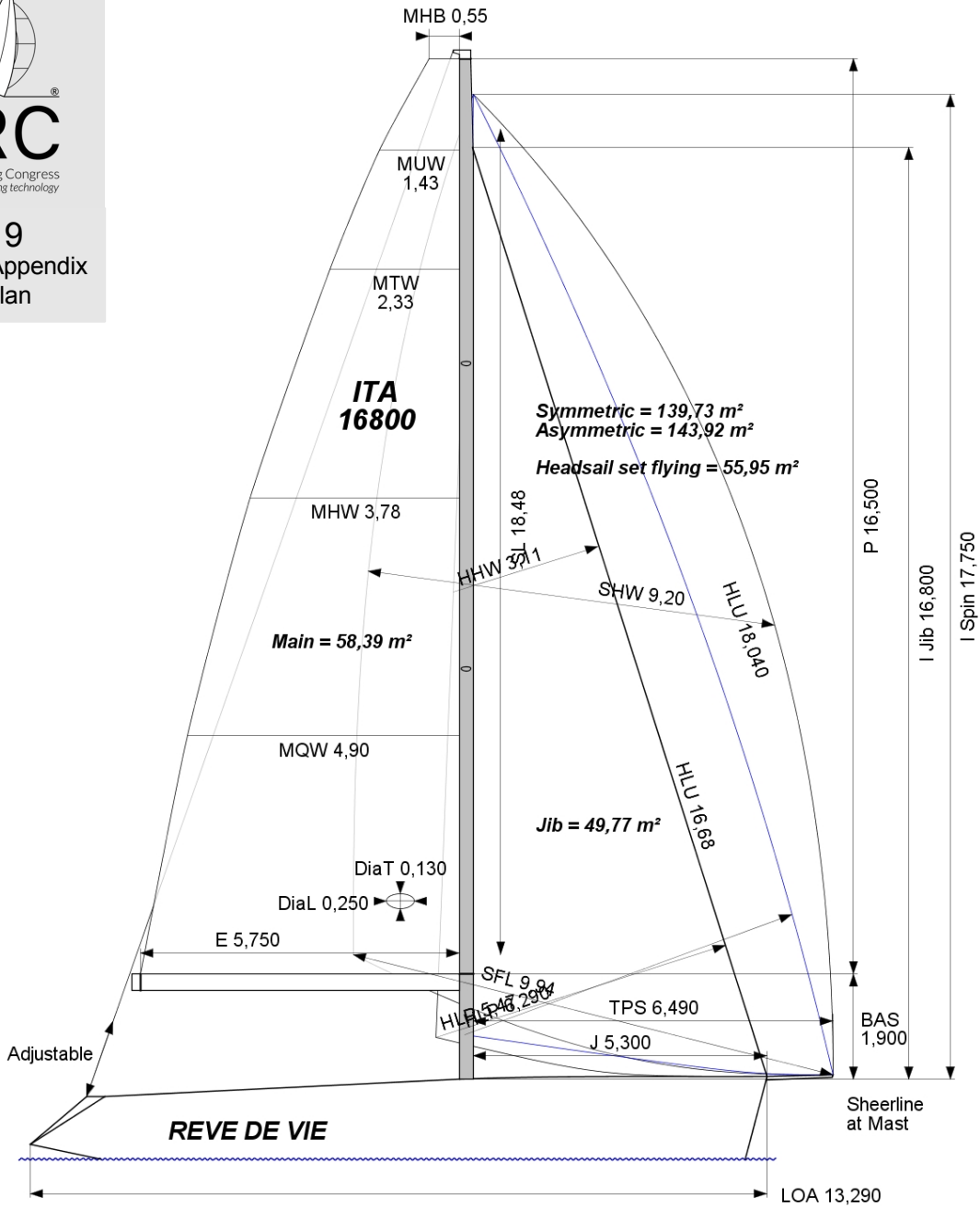
<b>MEASUREMENT INVENTORY</b>							
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn Description</b>
B	Tank	ACQUA	PVC	65.0	10.25	0.00	0-0 VUOTO
A	Tank	GASOLIO	PVC	65.0	10.25	0.00	15-0 L
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG</b>	<b>Description</b>		
D	Ballast	10.0	10.05	0.00	2 PANI DI PB PAIOLATO CABINE DI POPPA		
C	Ballast	30.0	10.00	0.00	2 PANI DI PB PAIOLATO CABINE DI POPPA		
B	Ballast	39.0	9.55	0.00	2 PANI DI PB PAIOLATO CABINE DI POPPA		
A	Ballast	41.0	9.50	0.00	2 PANI DI PB PAIOLATO CABINE DI POPPA		
B	Battery	30.0	6.35	0.00	1X80 AH		
A	Battery	70.0	6.35	0.00	2 X 100 AH		



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (3)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
G	0.55	1.43	2.33	3.78	4.90	58.39		30/04/2019	ONE	Carbon	
F	0.50	1.41	2.30	3.71	4.80	57.51		30/03/2017	ONE	Carbon	

**HEADSAILS (6)**

Id	HHB	HUV	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
I	0.09	0.77	1.50	3.04	4.67	6.29	18.04	119%	55.96	N	Y		06/05/2019	ONE	Carbon	
G	0.14	1.00	1.82	3.11	4.30	5.47	16.68	103%	49.77	Y	N		24/06/2017	ONE	Carbon	JL
H	0.12	0.97	1.78	3.04	4.24	5.46	16.69	103%	49.10	Y	N		24/06/2017	ONE	Carbon	JM
D	0.13	1.03	1.83	3.05	4.14	5.17	16.48	98%	47.63	N	N		18/03/2015		Unknow	
C	0.15	0.87	1.60	2.83	3.95	5.06	16.45	95%	44.82	N	N		30/04/2014		Unknow	
B	0.15	0.86	1.58	2.83	3.95	5.05	16.40	95%	44.58	N	N		30/04/2014		Unknow	

**SYMMETRIC SPINNAKERS (3)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
C	17.25	17.25	17.25	9.75	9.60	139.73		30/03/2017	Onesails	Nylon	S1.5
D	17.85	17.85	17.85	9.46	9.12	139.71		03/03/2017	Onesails	Nylon	S
B	17.88	17.88	17.88	9.28	9.19	138.01		24/05/2013		Unknown	

**ASYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
C	19.75	17.20	18.48	9.20	9.94	143.93	asym		09/04/2019	ONE	Nylon	A1