



**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020**  
**Club**  
**Double Handed**

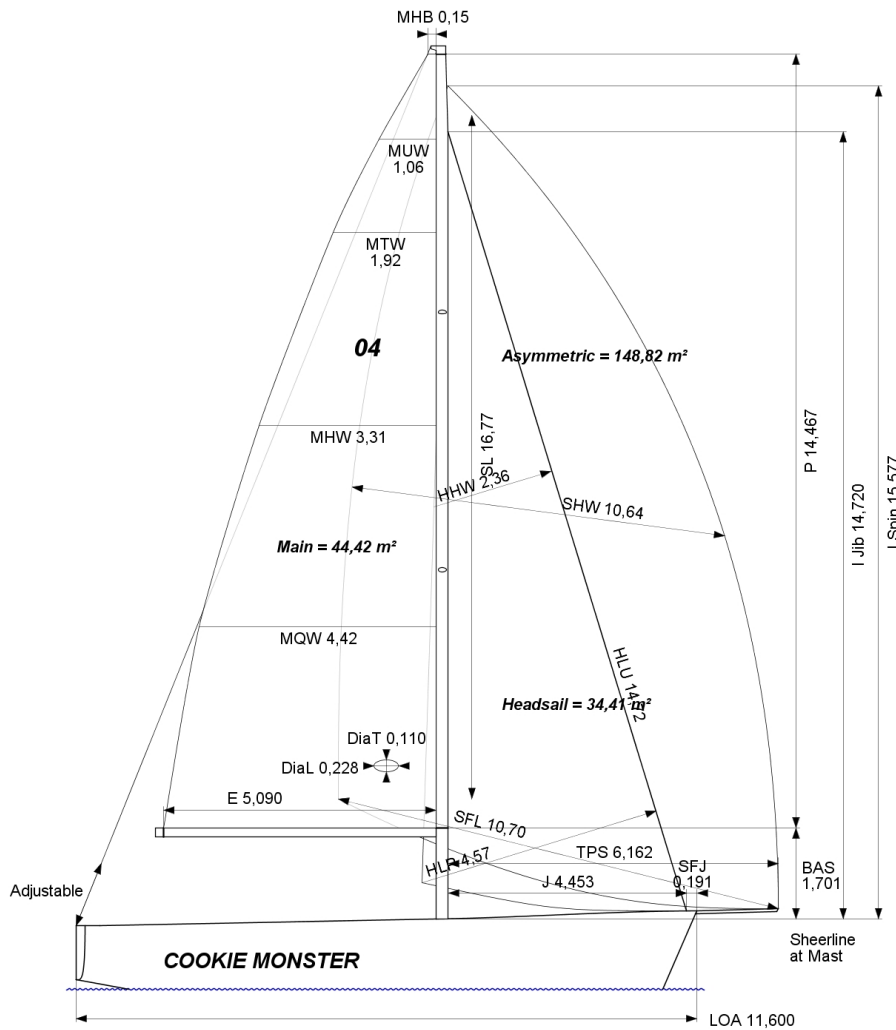
**Rating Office**

**Offshore**  
**Racing**  
**Congress**



**Certificate**

Number **US6450**  
Issued On **09/06/2020**  
ORC Ref **03410000KBI**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**



BOAT	
Name	<b>COOKIE MONSTER</b>
Sail Nr	<b>04</b>

GPH	
	<b>601.1</b>

HULL	
Data File	<b>US6450DH</b>
Offset File	<b>sal380SD.off</b>
Displacement	<b>6,939kg</b>
LOA	<b>11.600m</b>
MB	<b>3.670m</b>
Draft	<b>2.028m</b>

Crew Weight	
Default	170kg
Maximum	<b>170kg</b>
Non Manual Pwr	<b>No</b>

CLASS	
Class	<b>Salona 380</b>
Designer	<b>Cossutti</b>
Builder	<b>AB Ovo Salona</b>
Series	<b>10/2015</b>
Age Date	<b>01/2016</b>
Age Allowance	<b>0.163%</b>

IMS Division	<b>Cruiser/Racer</b>	Dynamic All.	<b>0.212%</b>
Fiber Rigging	<b>No</b>	Construction	<b>Solid</b>
Crew Arm Ex		Aramid Core	<b>No</b>
		Carbon Rudder	<b>No</b>
		Light Stanchions	<b>No</b>

Sails Limitations	
Headsails	<b>5</b>
Spinnakers	<b>4</b>

IMSL	<b>10.659m</b>	VCGD	<b>0.014m</b>	Sink	<b>22.15kg/mm</b>
RL	<b>8.471m</b>	VCGM	<b>-0.022m</b>	WS	<b>28.49m<sup>2</sup></b>
LSM0	<b>10.495m</b>	Displacement/Length ratio	<b>6.0027</b>		

Asymmetric on centerline	
<b>Spinnaker configuration</b>	
Symmetric:	<b>No</b>
Asymmetric:	<b>Yes 148.82</b>
Flying H/S:	<b>No</b>
Spin. Pole:	<b>No</b>

COMMENTS	

Water Ballast	<b>0</b>	Trim Tab	<b>No</b>
BLR Index	<b>0.0000</b>		

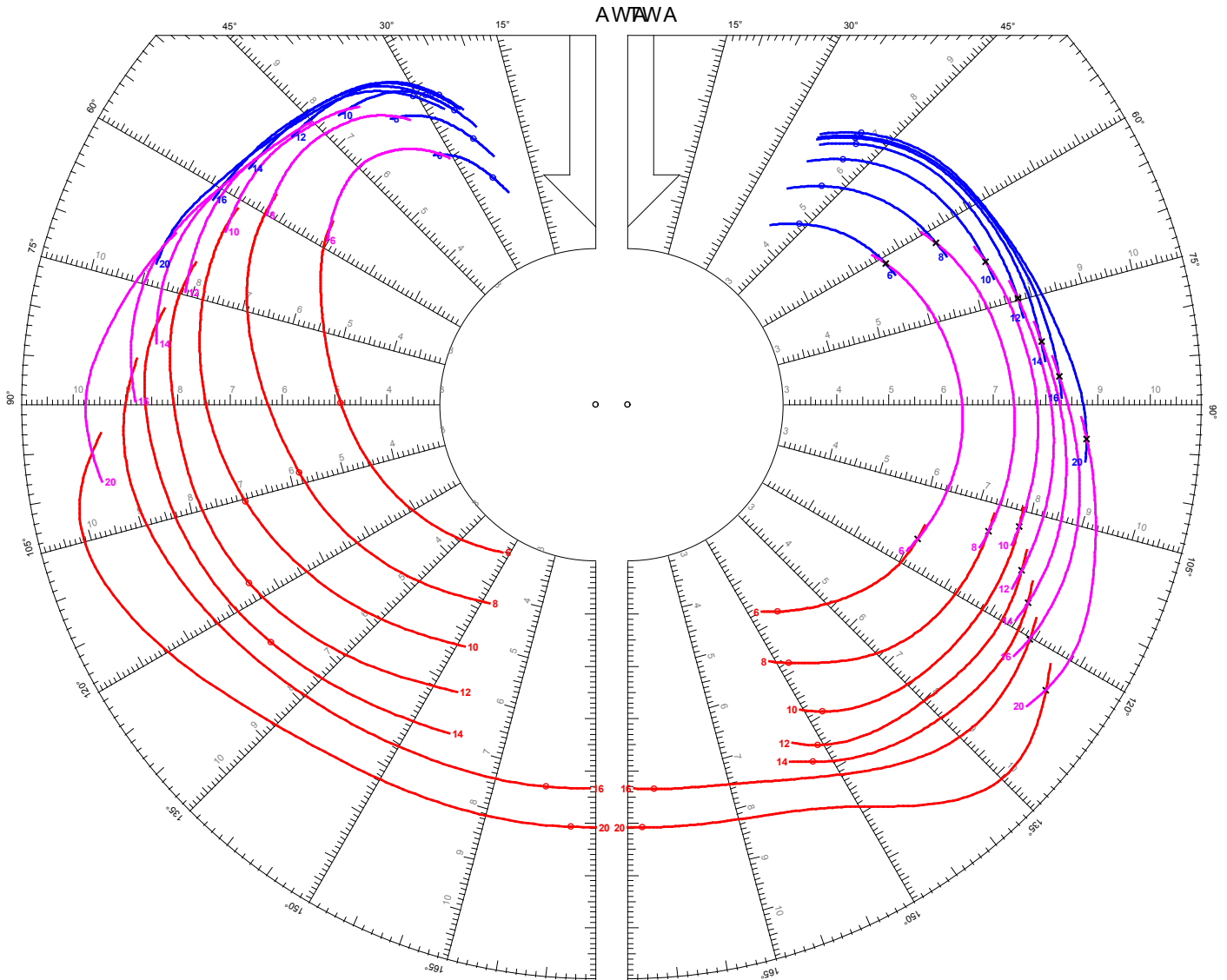
PROPELLER	
Installation	<b>Strut</b>
Type	<b>Folding 2 blades</b>
PRD	<b>0.432</b>
PBW	<b>0.115</b>
PIPA	<b>0.0034</b>

CENTERBOARD	
<b>N/A</b>	

Stability (Measured)	
Limit Positive Stab.:	<b>123.7°</b>
Stability Index:	<b>126.9</b>

SCORING OPTIONS		
	Time on Distance	Time on Time
Coastal or Long Distance	<b>587.7</b>	<b>1.0210</b>
Circular Random	<b>601.1</b>	<b>0.9982</b>
Predominantly Upwind	<b>588.9</b>	<b>1.0188</b>
Predominantly Downwind	<b>535.5</b>	<b>1.1204</b>

Owner	



<b>Polar Plot for Boat</b>	
Name	<b>COOKIE MONSTER</b>
Sail Number	<b>04</b>
Class	<b>Salona 380</b>
Designer	<b>Cossutti</b>
Builder	<b>AB Ovo Salona</b>
Issued On	<b>09/06/2020 - VPP 2020 1.02</b>

# 2020

## Double Handed Certificate Appendix

BOAT							
Name	<b>COOKIE MONSTER</b>			Certificate Number	<b>US6450</b>		
Sail Nr	<b>04</b>			Issued On	<b>09/06/2020</b>		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1049.8</b>	<b>867.5</b>	<b>771.8</b>	<b>725.5</b>	<b>708.7</b>	<b>703.4</b>	<b>694.0</b>
52°	<b>684.9</b>	<b>575.7</b>	<b>517.7</b>	<b>492.9</b>	<b>484.5</b>	<b>481.0</b>	<b>476.7</b>
60°	<b>646.5</b>	<b>547.1</b>	<b>498.2</b>	<b>477.6</b>	<b>468.9</b>	<b>465.3</b>	<b>463.0</b>
75°	<b>588.1</b>	<b>505.1</b>	<b>476.9</b>	<b>465.0</b>	<b>453.2</b>	<b>445.1</b>	<b>439.4</b>
90°	<b>563.0</b>	<b>487.4</b>	<b>459.9</b>	<b>444.9</b>	<b>435.8</b>	<b>427.7</b>	<b>413.3</b>
110°	<b>578.2</b>	<b>492.8</b>	<b>458.5</b>	<b>439.2</b>	<b>418.9</b>	<b>401.4</b>	<b>380.1</b>
120°	<b>598.1</b>	<b>498.2</b>	<b>460.4</b>	<b>436.3</b>	<b>418.0</b>	<b>404.6</b>	<b>369.2</b>
135°	<b>670.0</b>	<b>536.4</b>	<b>476.9</b>	<b>449.8</b>	<b>425.6</b>	<b>401.3</b>	<b>356.3</b>
150°	<b>790.1</b>	<b>633.0</b>	<b>532.5</b>	<b>480.4</b>	<b>459.9</b>	<b>441.8</b>	<b>403.7</b>
Run VMG	<b>912.4</b>	<b>730.9</b>	<b>614.9</b>	<b>554.2</b>	<b>528.2</b>	<b>490.9</b>	<b>446.4</b>
Selected Courses							
Windward / Leeward	<b>981.1</b>	<b>799.2</b>	<b>693.3</b>	<b>639.9</b>	<b>618.4</b>	<b>597.2</b>	<b>570.2</b>
Circular Random	<b>820.7</b>	<b>665.2</b>	<b>583.3</b>	<b>537.1</b>	<b>509.6</b>	<b>491.9</b>	<b>468.2</b>
Coastal / Long Distance	<b>974.2</b>	<b>747.7</b>	<b>622.8</b>	<b>554.4</b>	<b>521.9</b>	<b>494.2</b>	<b>445.1</b>
Non Spinnaker	<b>907.7</b>	<b>725.8</b>	<b>627.0</b>	<b>569.1</b>	<b>533.6</b>	<b>510.7</b>	<b>482.1</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>43.5°</b>	<b>41.6°</b>	<b>41.3°</b>	<b>41.3°</b>	<b>40.5°</b>	<b>40.5°</b>	<b>40.7°</b>
Beat VMG	<b>3.43</b>	<b>4.15</b>	<b>4.66</b>	<b>4.96</b>	<b>5.08</b>	<b>5.12</b>	<b>5.19</b>
52°	<b>5.26</b>	<b>6.25</b>	<b>6.95</b>	<b>7.30</b>	<b>7.43</b>	<b>7.48</b>	<b>7.55</b>
60°	<b>5.57</b>	<b>6.58</b>	<b>7.23</b>	<b>7.54</b>	<b>7.68</b>	<b>7.74</b>	<b>7.78</b>
75°	<b>6.12</b>	<b>7.13</b>	<b>7.55</b>	<b>7.74</b>	<b>7.94</b>	<b>8.09</b>	<b>8.19</b>
90°	<b>6.39</b>	<b>7.39</b>	<b>7.83</b>	<b>8.09</b>	<b>8.26</b>	<b>8.42</b>	<b>8.71</b>
110°	<b>6.23</b>	<b>7.31</b>	<b>7.85</b>	<b>8.20</b>	<b>8.59</b>	<b>8.97</b>	<b>9.47</b>
120°	<b>6.02</b>	<b>7.23</b>	<b>7.82</b>	<b>8.25</b>	<b>8.61</b>	<b>8.90</b>	<b>9.75</b>
135°	<b>5.37</b>	<b>6.71</b>	<b>7.55</b>	<b>8.00</b>	<b>8.46</b>	<b>8.97</b>	<b>10.10</b>
150°	<b>4.56</b>	<b>5.69</b>	<b>6.76</b>	<b>7.49</b>	<b>7.83</b>	<b>8.15</b>	<b>8.92</b>
Run VMG	<b>3.95</b>	<b>4.93</b>	<b>5.85</b>	<b>6.50</b>	<b>6.82</b>	<b>7.33</b>	<b>8.06</b>
Gybe Angles	<b>144.0°</b>	<b>148.0°</b>	<b>147.5°</b>	<b>150.8°</b>	<b>152.5°</b>	<b>176.0°</b>	<b>178.0°</b>