



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2019**  
**ORC Club One**  
**Design Certificate**

**Rating Office**

Swiss Rating Office ABC  
Dominique Thurnherr  
Pfannenstilstrasse 2  
8820 Wädenswil



ABC  
Schweiz - Suisse - Switzerland

**Zertifikat**

Nummer **SURPRI**  
Ausgestellt **23.05.2019**  
ORC Ref **SUI00005298**  
VPP **2019 1.01**  
Gültig bis **31.12.2019**

**max. Crewgewicht**

Default 384kg  
Maximum **400kg**  
Minimum\* **300kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>698.5</b>	<b>0.8590</b>
Double H.OSN	<b>679.3</b>	<b>0.8833</b>
Non Spin GPH	<b>715.0</b>	<b>0.8392</b>
Non Spin OSN	<b>690.9</b>	<b>0.8684</b>

**Segelbeschränkung**

Headsails **5** Spinnaker **3**

**Spinnaker Konfiguration**

Symmetric: **Ja** **41.15**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Ja**

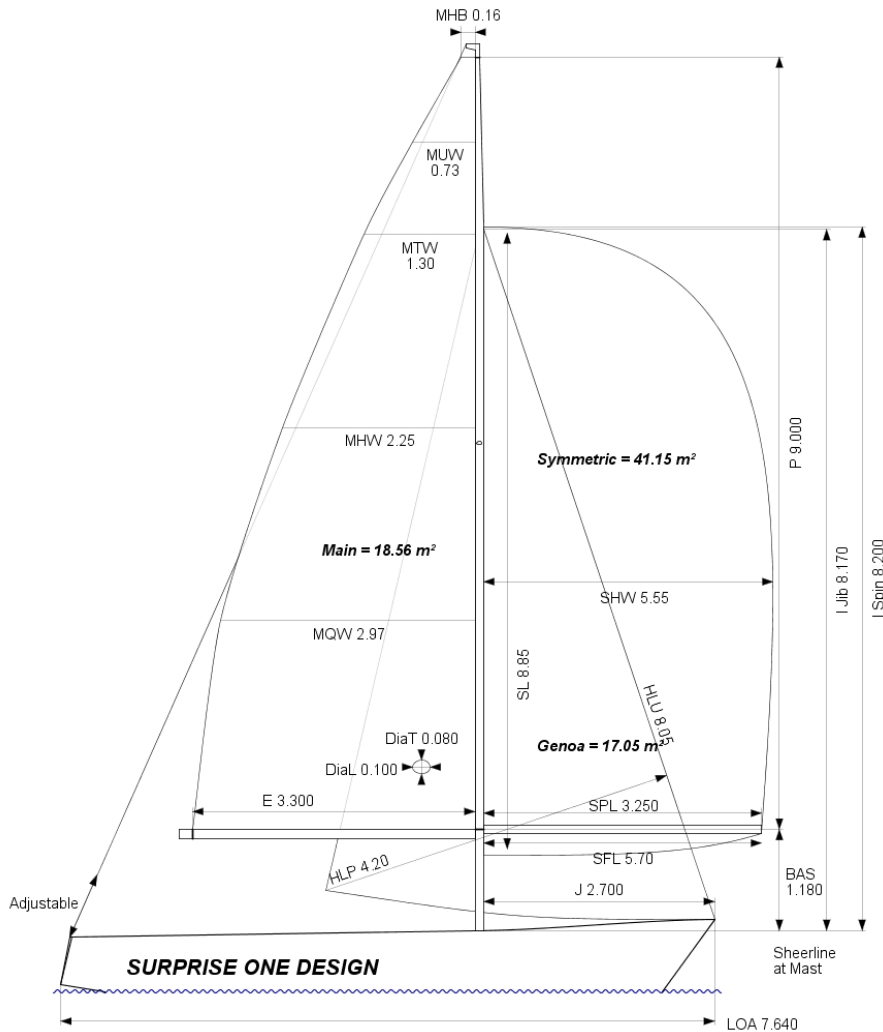
**Class Division Length**

CDL = **7.160**

**Stability (Estimated)**

Limit Positive Stab.: **110.8°**  
Stability Index: **104.0**

**Eigner**



<b>BOOT</b>	Name <b>SURPRISE ONE DESIGN</b> Segel Nr. ?
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<b>GPH</b>	<b>686.4</b>
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<b>RUMPF</b>	Data File <b>Surprise</b>	Länge <b>7.640m</b>
	Offset Datei <b>surprise.OD</b>	Breite <b>2.384m</b>
	Verdrängung <b>1'286kg</b>	Tiefgang <b>1.774m</b>

<b>KLASSE</b>	Klasse <b>SURPRISE</b>
	Designer <b>JOUBERT-NIVELT</b>
	Werft <b>ARCHAMBAULT</b>
	Series <b>01.1977</b>
	Baujahr
	Altersvergütung <b>0.487%</b>

IMS Division	<b>Sportboat</b>	Dynamic All.	<b>0.034%</b>
Fwd Accom.	<b>Ja</b>	Construction	<b>massiv</b>
Fiber Rigging	<b>No</b>	Aramid Core	<b>No</b>
Crew Arm Ex		Carbon Ruder	<b>No</b>
		Light Stanchions	<b>No</b>

IMSL	<b>6.899m</b>	VCGD	<b>-0.120m</b>	Sink	<b>8.67kg/mm</b>
RL	<b>7.420m</b>	VCGM	<b>-0.100m</b>	WS	<b>11.43m²</b>
LSM0	<b>6.642m</b>	Displacement/Length ratio	<b>4.3888</b>		

<b>COMMENTS</b>	ONE-DESIGN RULES
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Water Ballast	<b>0</b>	Trim Tab	<b>No</b>
BLR Index	<b>0.0000</b>		

<b>PROPELLER</b>	Typ <b>ohne Propeller</b>
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<b>CENTERBOARD</b>	ECM	<b>0.200</b>	CBDA	CBRC	<b>0.100</b>
	KCDA		WCBB	CBMC	<b>0.100</b>
	WCBA		CBDB	CBTC	<b>0.100</b>

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>664.3</b>			<b>738.5</b>		
Time on Time	<b>0.9032</b>			<b>0.9140</b>		
Triple Number	Schwach	Mittel	Stark	Schwach	Mittel	Stark
Time on Distance	<b>784.0</b>	<b>610.3</b>	<b>536.4</b>	<b>1006.7</b>	<b>740.2</b>	<b>647.8</b>
Time on Time	<b>0.8610</b>	<b>1.1061</b>	<b>1.2584</b>	<b>0.6705</b>	<b>0.9119</b>	<b>1.0420</b>

<b>Eigner</b>	
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