



**ORC**  
Offshore Racing Congress  
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**2019  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **US6089**  
Issued On **11/01/2019**  
ORC Ref **USAX01U3BCV**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default 641kg  
Maximum **771kg**  
Minimum\* **578kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>638.8</b>	<b>0.9393</b>
Non Spin OSN	<b>622.1</b>	<b>0.9645</b>

**Sails Limitations**

Headsails **5** Spinnakers **3**

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 120.13**  
Flying H/S: **No**  
Spin. Pole: **No**

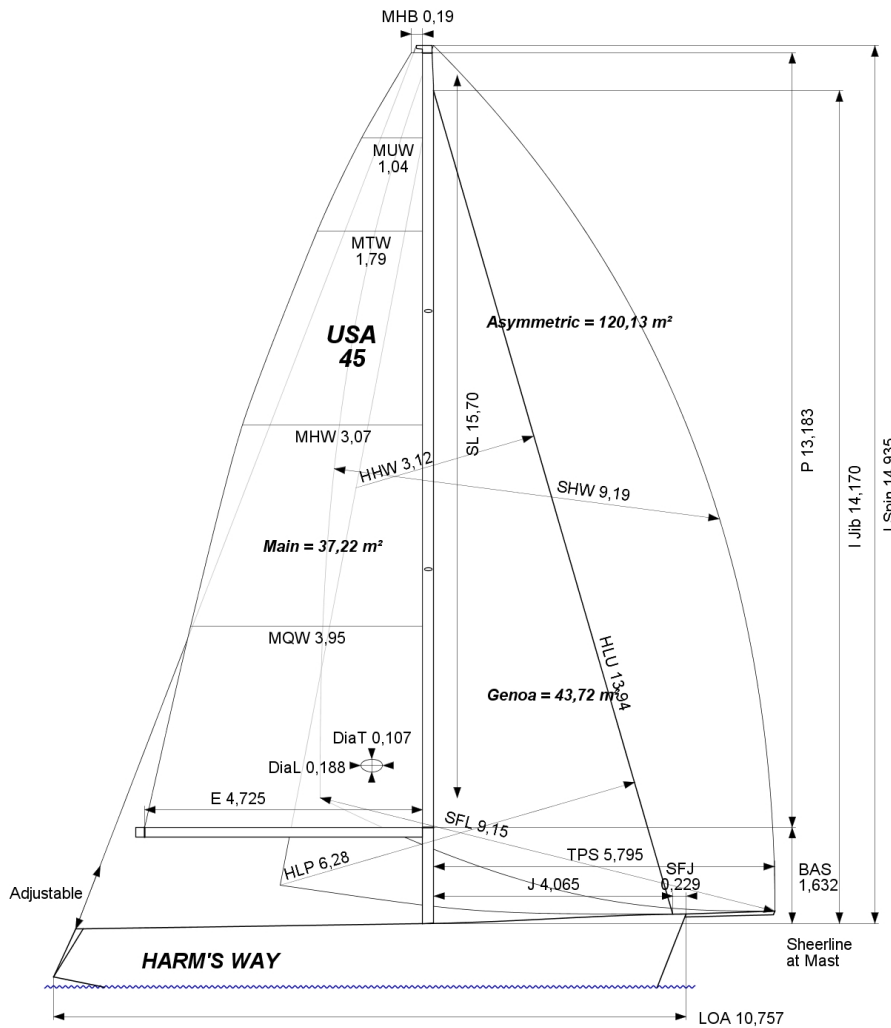
**Class Division Length**

**CDL = 9.493**

**Stability (Estimated)**

Limit Positive Stab.: **119.5°**  
Stability Index: **119.5**

**Owner**



BOAT		GPH		HULL																																																
Name <b>Harm's Way</b> Sail Nr <b>USA 45</b>		<b>605.6</b>		Data File <b>US6089</b>	LOA <b>10.757m</b>																																															
CLASS		IMMSL <b>9.669m</b>		Offset File <b>F199.OFF</b>	MB <b>3.524m</b>																																															
Class <b>J-109</b>	Designer <b>Johnstone</b>	Displacement <b>5,189kg</b>	Draft <b>2.139m</b>	Fiber Rigging <b>No</b>	Carbon Rudder <b>No</b>																																															
Builder <b>JBoats</b>	Series <b>10/2001</b>	Water Ballast <b>0</b>	Trim Tab <b>No</b>	Crew Arm Ex	Light Stanchions																																															
Age Date <b>03/2005</b>	Age Allowance <b>0.487%</b>	BLR Index <b>0.0000</b>																																																		
COMMENTS		CENTERBOARD		IMSL <b>9.669m</b>																																																
		N/A		RL <b>9.316m</b>	VCGM <b>-0.056m</b>																																															
PROPELLER		SCORING OPTIONS		WS <b>24.95m²</b>	LSM0 <b>9.510m</b>																																															
Installation <b>Strut</b>	PRD <b>0.400</b>	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">COASTAL / LONG DISTANCE</th> <th colspan="3">WINDWARD / LEEWARD</th> </tr> <tr> <th>Low</th> <th>Medium</th> <th>High</th> <th>Low</th> <th>Medium</th> <th>High</th> </tr> </thead> <tbody> <tr> <td>Time on Distance</td> <td><b>589.8</b></td> <td></td> <td></td> <td><b>659.4</b></td> <td></td> <td></td> </tr> <tr> <td>Time on Time</td> <td><b>1.0173</b></td> <td></td> <td></td> <td><b>1.0236</b></td> <td></td> <td></td> </tr> <tr> <td>Triple Number</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Time on Distance</td> <td><b>684.4</b></td> <td><b>538.7</b></td> <td><b>487.6</b></td> <td><b>882.1</b></td> <td><b>660.9</b></td> <td><b>586.9</b></td> </tr> <tr> <td>Time on Time</td> <td><b>0.9863</b></td> <td><b>1.2530</b></td> <td><b>1.3844</b></td> <td><b>0.7652</b></td> <td><b>1.0214</b></td> <td><b>1.1502</b></td> </tr> </tbody> </table>			COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			Low	Medium	High	Low	Medium	High	Time on Distance	<b>589.8</b>			<b>659.4</b>			Time on Time	<b>1.0173</b>			<b>1.0236</b>			Triple Number							Time on Distance	<b>684.4</b>	<b>538.7</b>	<b>487.6</b>	<b>882.1</b>	<b>660.9</b>	<b>586.9</b>	Time on Time	<b>0.9863</b>	<b>1.2530</b>	<b>1.3844</b>	<b>0.7652</b>	<b>1.0214</b>	<b>1.1502</b>	Displacement/Length ratio <b>6.0331</b>
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