



World Leader in Rating Technology

## 2016 ORC Club Certificate

### Rating Office

Offshore  
Racing  
Congress



### Certificate

Number  
Issued On **18/05/2016**  
ORC Ref **knw00005314**  
VPP Ver. **2016 1.01**  
Valid until **31/03/2017**

### Crew Weight

Declared **400kg**  
Default\* **430kg**  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Double H.GPH	<b>770.2</b>	<b>0.7791</b>
Double H.OSN	<b>746.6</b>	<b>0.8036</b>
Non Spin GPH	<b>802.1</b>	<b>0.7480</b>
Non Spin OSN	<b>773.7</b>	<b>0.7755</b>
N/S Perf. Line	<b>8.8</b>	<b>0.490</b>

### Sails Limitations

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

### Spinnaker configuration

Symmetric: **Yes** **45.19**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

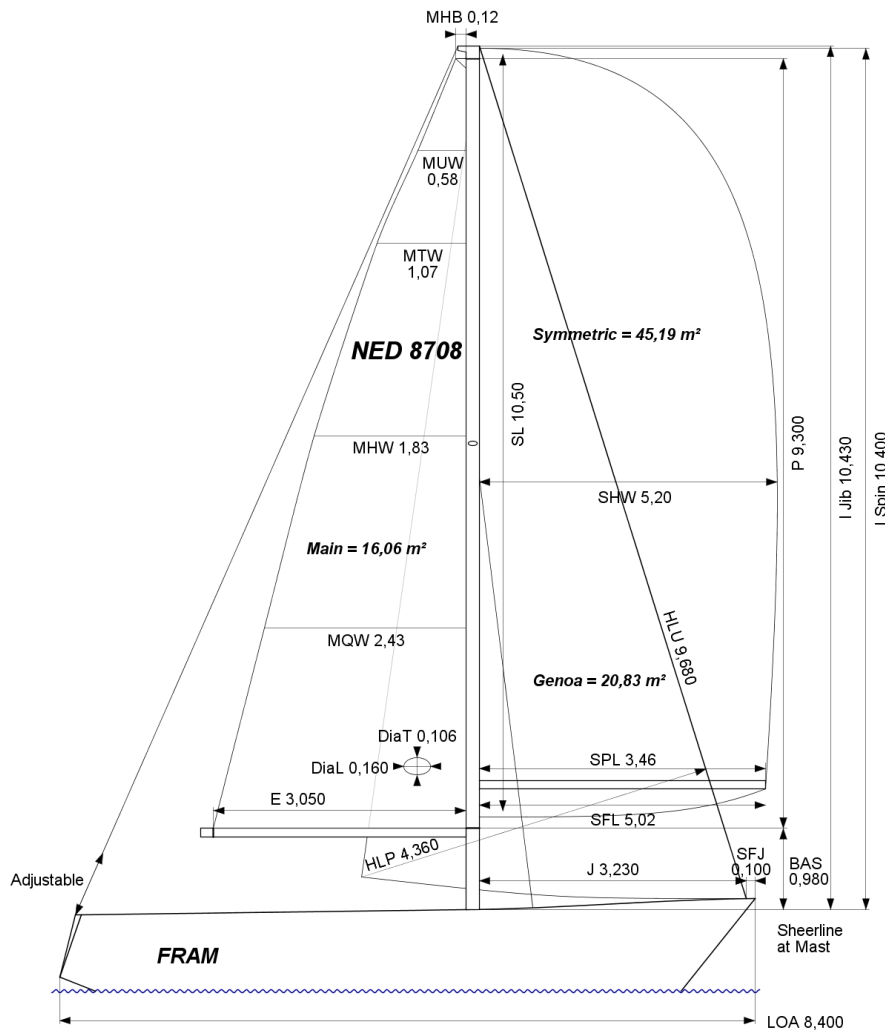
### Class Division Length

CDL = **6.278**

### Stability

LPS (Estimated): **119.8°**  
Stability Index: **122.3**  
OSR Category: **N/A**

### Owner



BOAT		GPH		HULL			
Name	<b>Fram</b>		<b>768.1</b>	Data File	<b>nedo8708.dxt</b>	LOA	<b>8.400m</b>
Sail Nr	<b>NED 8708</b>			Offset File	<b>hc_00702.off</b>	MB	<b>2.714m</b>
				Displacement	<b>3,392kg</b>	Draft	<b>1.647m</b>
CLASS				IMS Division	<b>Cruiser/Racer</b>	Dynamic All.	<b>0.589%</b>
Class	<b>FRIENDSHIP 28</b>			Fwd Accom.	<b>Yes</b>	Construction	<b>Solid</b>
Designer	<b>DE RIDDER/KOOPMANS</b>			Fiber Rigging	<b>No</b>	Aramid Core	<b>No</b>
Builder	<b>MEIJER</b>			Crew Arm Ex	<b>No</b>	Carbon Rudder	<b>No</b>
Series	<b>01/1978</b>					Light Stanchions	<b>No</b>
Age Date	<b>01/1983</b>			IMSL	<b>7.193m</b>	VCGD	<b>0.052m</b>
Age Allowance	<b>0.487%</b>			RL	<b>5.363m</b>	VCGM	<b>0.037m</b>
				WS	<b>16.54m²</b>		
				LSM0	<b>7.194m</b>	Displacement/Length ratio	<b>9.1105</b>
COMMENTS				Water Ballast <b>0</b> Trim Tab <b>No</b>			
OWNERS DECLARED				CENTERBOARD			
				N/A			
PROPELLER							
Installation	<b>Shaft exposed</b>	PRD	<b>0.380</b>				
Type	<b>Feathering 2 blades</b>	PIPA	<b>0.0019</b>				
SCORING OPTIONS							
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD			
Time On Distance	<b>744.0</b>			<b>828.0</b>			
Time On Time	<b>0.8064</b>			<b>0.8152</b>			
Performance Line	PLT	PLD		PLT	PLD		
	<b>0.536</b>	<b>29.1</b>		<b>0.632</b>	<b>153.4</b>		
Triple Number	Low	Medium	High	Low	Medium	High	
	<b>0.7545</b>	<b>0.9961</b>	<b>1.1374</b>	<b>0.5863</b>	<b>0.8041</b>	<b>0.9565</b>	