



World Leader in Rating Technology

2017
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6049**
 Issued On **14/06/2017**
 ORC Ref **USA00001009**
 VPP Ver. **2017 1.00**
 Valid until **28/02/2018**

Crew Weight

Declared **608kg**
 Default* **608kg**
 Non Manual Pwr **No**

Special Scoring

ToD ToT
 Non Spin GPH **653.4 0.9183**
 Non Spin OSN **638.0 0.9405**

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes 106.68**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

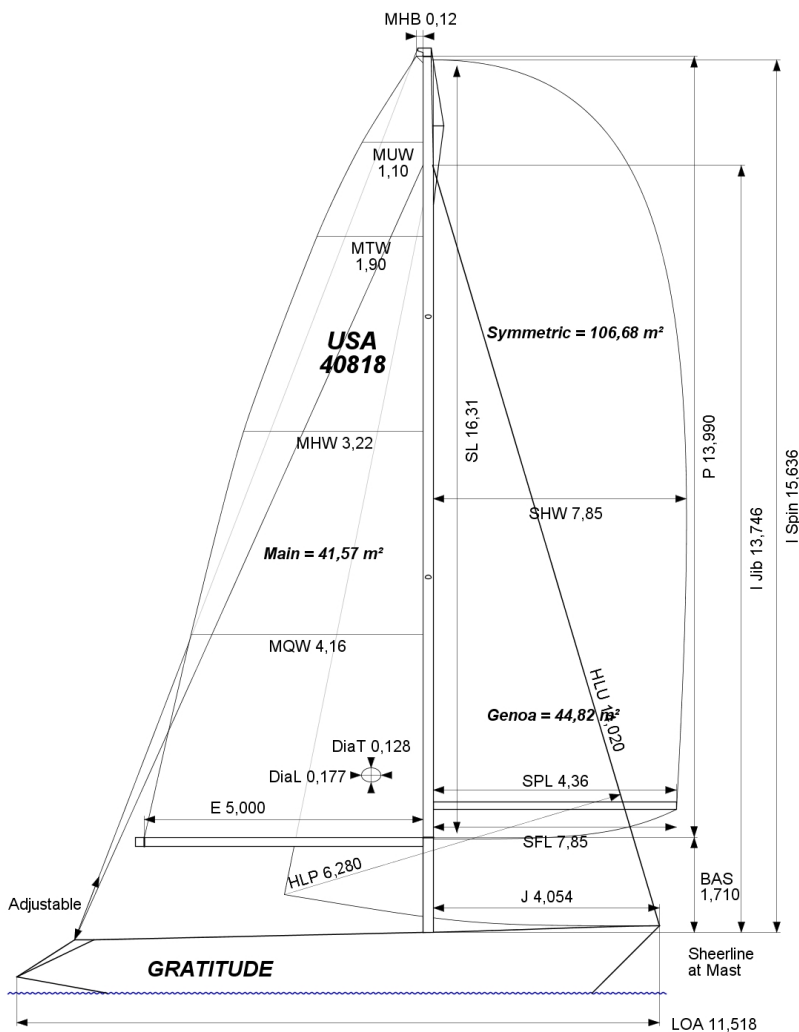
Class Division Length

CDL = **8.567**

Stability (Estimated)

Limit Positive Stab.: **115.6°**
 Stability Index: **116.6**

Owner



BOAT	
Name	GRATITUDE
Sail Nr	USA 40818

GPH	
	626.8

HULL			
Data File	US6049	LOA	11.518m
Offset File	H5737E.OFF	MB	3.635m
Displacement	5,938kg	Draft	1.966m

CLASS	
Class	MG 38
Designer	R.Humphreys
Builder	MG Yachts
Series	01/1980
Age Date	01/1985
Age Allowance	0.487%

IMS Division	Cruiser/Racer	Dynamic All.	0.028%
Fwd Accom.	Yes	Construction	Cored
Fiber Rigging	No	Aramid Core	No
Crew Arm Ex		Carbon Rudder	No
		Light Stanchions	

IMSL	9.088m	VCGD	-0.134m	Sink	17.78kg/mm
RL	8.046m	VCGM	0.013m	WS	24.97m²
LSM0	9.169m	Displacement/Length ratio		7.7033	

COMMENTS	
Corr. IG/ISP/SPS/P/MCG 16-7-97 Main/LPG/Spi 31-7-97 DA 6-3-98	

Water Ballast	0	Trim Tab	No
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PROPELLER			
Installation	Shaft exposed	PRD	0.420
Type	Folding 2 blades	PBW	0.110
		PIPA	0.0033

CENTERBOARD	
	N/A

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	612.5			684.2		
Time On Time	0.9796			0.9866		
Triple Number						
Time on Distance	709.5	558.0	501.3	918.1	688.1	598.9
Time on Time	0.9514	1.2096	1.3465	0.7352	0.9809	1.1271