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**2019
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **164662**
Issued On **20/05/2019**
ORC Ref **GER20040909**
VPP Ver. **2019 1.01**
Valid until **01/01/2020**

Crew Weight

Default 612kg
Maximum **542kg**
Minimum* **407kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	657.3	0.9129
Double H.OSN	640.1	0.9373
Non Spin GPH	679.4	0.8831
Non Spin OSN	657.7	0.9123

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **Yes** **67.73**
Asymmetric: **Yes** **58.63**
Flying H/S: **No**
Spin. Pole: **Yes**

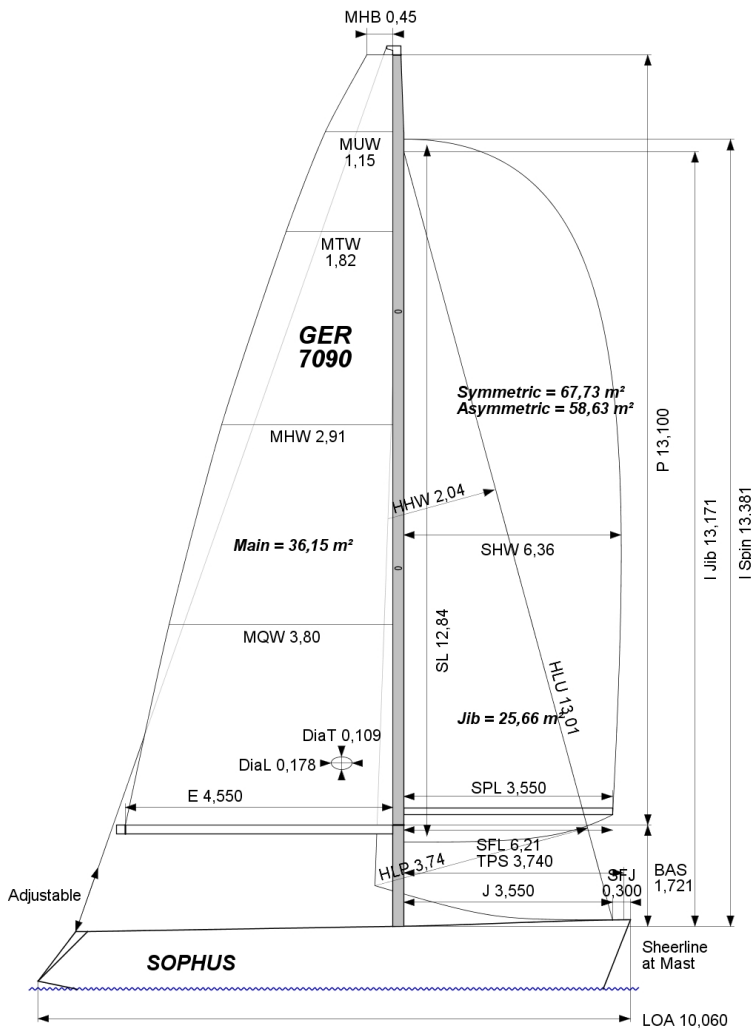
Class Division Length

CDL = 8.619

Stability (Estimated)

Limit Positive Stab.: **118.8°**
Stability Index: **119.9**

Owner



BOAT		GPH	HULL			
Name	SOPHUS	649.5	Data File	GER7090	LOA	10.060m
Sail Nr	GER 7090		Offset File	CLG7090.OFF	MB	3.284m
CLASS			Displacement	4,725kg	Draft	1.832m
Class	X-332 MODIF		IMS Division	Cruiser/Racer	Dynamic All.	0.245%
Designer	JEPPESEN		Fwd Accom.	Yes	Construction	Cored
Builder	X-YACHTS		Fiber Rigging	Yes	Aramid Core	No
Series	01/1996		Crew Arm Ex		Carbon Rudder	No
Age Date	01/1996				Light Stanchions	No
Age Allowance	0.487%		IMSL	9.197m	VCGD	-0.083m
COMMENTS			RL	8.040m	VCGM	-0.035m
2019: Carbon Mast & New Keel & Rudder			WS			23.11m²
PROPELLER			LSM0	9.210m	Displacement/Length ratio	6.0482
Installation	Strut	PRD	0.460	Water Ballast	0	Trim Tab
Type	Folding 2 blades	PBW	0.125	BLR Index	0.0000	
		PIPA	0.0034	CENTERBOARD		
				NA		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	631.0			702.8		
Time on Time	0.9508			0.9605		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	745.4	574.7	513.4	963.3	705.8	612.5
Time on Time	0.9055	1.1746	1.3147	0.7007	0.9563	1.1020