



ORC
Offshore Racing Congress
World leader in rating technology

**2019
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number
Issued On **06/06/2019**
ORC Ref **DEN00000576**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 1,086kg
Maximum **700kg**
Minimum* **525kg**
**when applied by the NoR and SI*
Non Manual Pwr **Sheets**

Special Scoring

	ToD	ToT
Double H.GPH	571.9	1.0492
Double H.OSN	561.4	1.0687
Non Spin GPH	604.4	0.9927
Non Spin OSN	586.1	1.0236

Sails Limitations

Headsails **7** Spinnakers **0**

Spinnaker configuration

Symmetric: **No**
Asymmetric: **No**
Flying H/S: **Yes** **137.89**
Spin. Pole: **Yes**

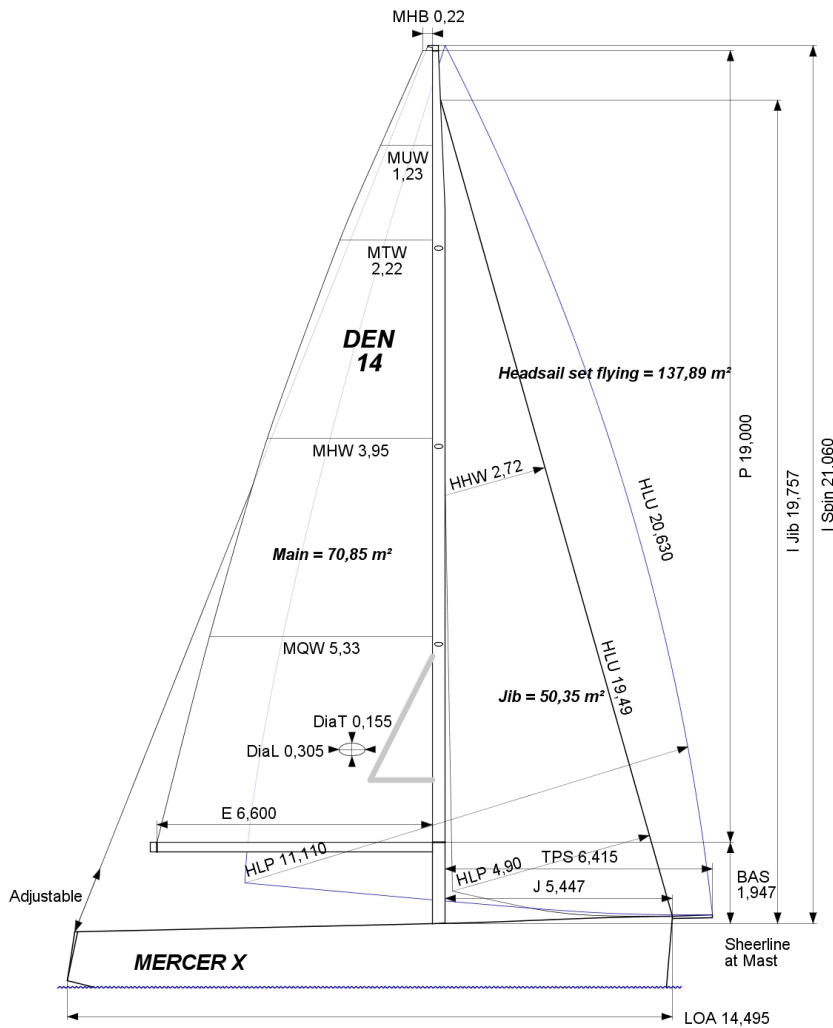
Class Division Length

CDL = 11.947

Stability (Estimated)

Limit Positive Stab.: **122.3°**
Stability Index: **131.5**

Owner



BOAT		GPH	HULL			
Name Mercer X Sail Nr DEN 14		566.6	Data File X4-9 - DEN 14	LOA 14.495m		
			Offset File X4.9-240.off	MB 4.480m		
			Displacement 15,477kg	Draft 2.487m		
CLASS			IMS Division Cruiser/Racer	Dynamic All. 0.337%		
Class X4.9			Fwd Accom. Yes	Construction Cored		
Designer Niels Jeppesen			Fiber Rigging No	Aramid Core No		
Builder X-Yachts			Crew Arm Ex	Carbon Rudder No		
Series 01/2003				Light Stanchions No		
Age Date 01/2019			IMSL 13.823m	VCGD -0.141m	Sink 35.74kg/mm	
Age Allowance 0.487%			RL 10.069m	VCGM -0.023m	WS 47.56m²	
COMMENTS			LSM0 13.767m	Displacement/Length ratio 5.9316		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Strut	PRD 0.460	N/A				
Type Folding 3 blades	PBW 0.120					
	PIPA 0.0040					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	556.1			630.5		
Time on Time	1.0789			1.0707		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	654.6	500.9	441.8	877.8	637.3	537.1
Time on Time	1.0312	1.3476	1.5280	0.7690	1.0591	1.2568