



ORC

Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number
Issued On **03/04/2020**
ORC Ref **03450000FNU**
VPP Ver. **2020 1.01**
Valid until **31/03/2021**

Crew Weight

Default 683kg
Maximum **550kg**
Minimum* **413kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin GPH	643.3	0.9327
Non Spin OSN	623.6	0.9622

Sails Limitations

Headsails **5** Spinnakers **4**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 104.72**
Flying H/S: **No**
Spin. Pole: **No**

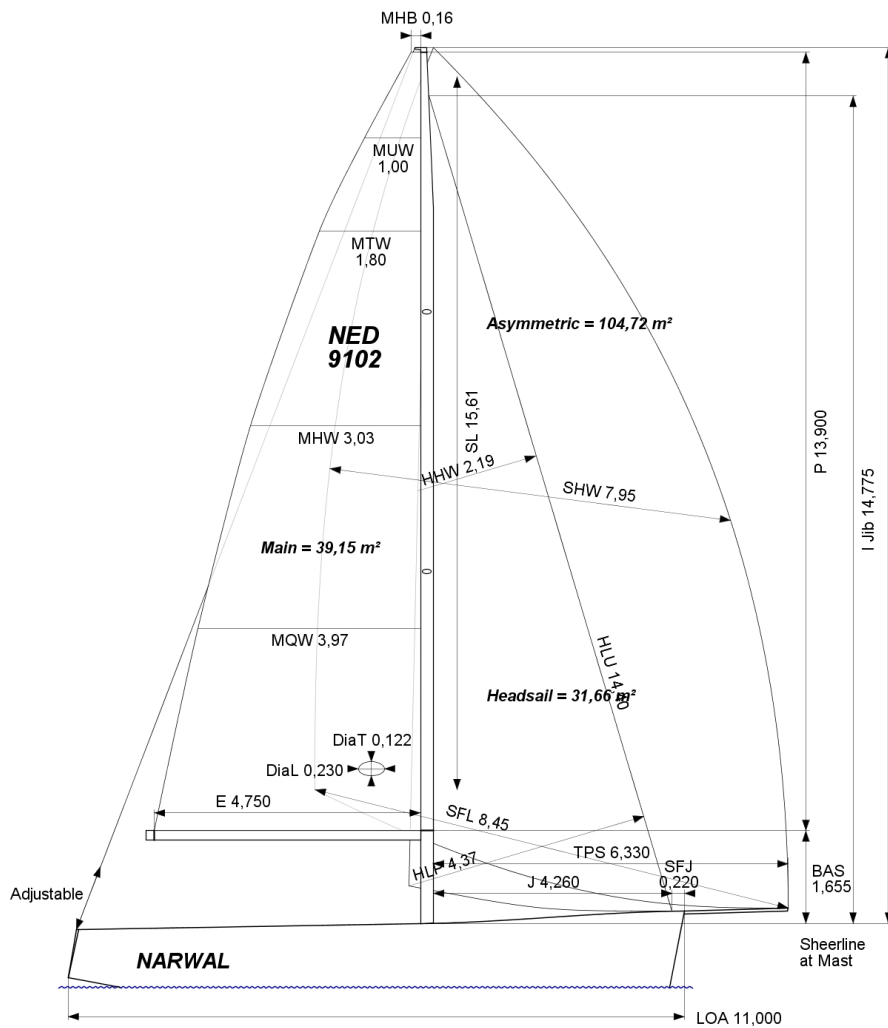
Class Division Length

CDL = 9.614

Stability (Estimated)

Limit Positive Stab.: **122.5°**
Stability Index: **122.2**

Owner



BOAT	GPH	HULL
Name Narwal Sail Nr NED 9102	601.7	Data File nedc9102 LOA 11.000m Offset File J112STD.off MB 3.596m Displacement 5,321kg Draft 2.092m
CLASS Class J-112E Designer Johnstone Builder J-Boats Series 02/2015 Age Date 01/2020 Age Allowance 0.163%		IMS Division Cruiser/Racer Dynamic All. 0.183% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 10.116m VCGD -0.053m Sink 19.24kg/mm RL 9.134m VCGM -0.103m WS 25.36m² LSM0 9.942m Displacement/Length ratio 5.4147
PROPELLER Installation Strut PRD 0.416 Type Folding 2 blades PIPA 0.0007		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	585.0	657.4
Time on Time	1.0257	1.0268
Triple Number	Low Medium High	Low Medium High
Time on Distance	684.7 533.9 480.2	883.4 658.9 583.4
Time on Time	0.9858 1.2644 1.4058	0.7641 1.0244 1.1570