



ORC
Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **019/20**
Issued On **05/06/2020**
ORC Ref **03880000JWE**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 584kg
Maximum **705kg**
Minimum* **529kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	679.8	0.8826
Non Spin OSN	658.1	0.9117

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **81.85**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

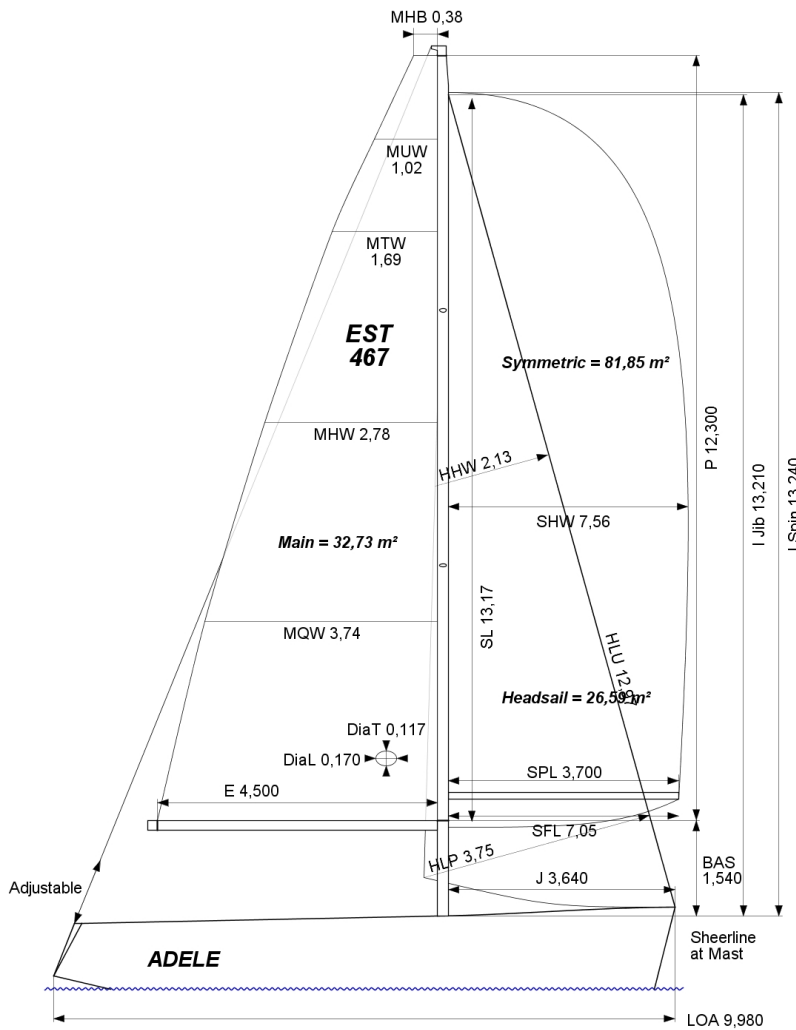
Class Division Length

CDL = 8.543

Stability (Measured)

Limit Positive Stab.: **124.9°**
Stability Index: **124.0**

Owner



BOAT Name ADELE Sail Nr EST 467	GPH 643.5	HULL Data File EST467 LOA 9.980m Offset File F235.OFF MB 3.372m Displacement 4,470kg Draft 1.991m
CLASS Class First 34.7 Designer Farr Builder Beneteau Series 10/2005 Age Date 05/2007 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.201% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.067m VCGD -0.056m Sink 16.29kg/mm RL 8.029m VCGM -0.032m WS 21.88m² LSM0 8.913m Displacement/Length ratio 6.3130
PROPELLER Installation Strut PRD 0.410 Type Folding 2 blades PIPA 0.0036		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD NA

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	624.8			697.0	
Time on Time	0.9603			0.9684		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	740.0	569.0	507.2	957.3	699.6	607.9
Time on Time	0.9122	1.1862	1.3308	0.7051	0.9648	1.1104

2020

ORC Club Certificate Appendix

BOAT	
Name ADELE	Certificate Number 019/20
Sail Nr EST 467	Issued On 05/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1105.5	916.6	804.9	745.2	726.3	720.0	712.8
52°	718.9	605.3	546.5	521.2	510.9	507.1	504.0
60°	677.8	574.8	530.0	508.7	497.0	492.1	490.2
75°	648.9	554.0	517.7	497.7	481.9	469.8	460.0
90°	656.3	548.8	507.5	490.1	477.4	460.2	433.7
110°	647.3	538.7	499.3	472.9	449.5	435.1	414.5
120°	665.6	549.5	504.3	476.8	450.0	425.7	393.9
135°	733.7	596.3	525.9	494.5	468.5	442.6	393.9
150°	871.7	693.4	584.3	524.1	495.2	471.2	424.5
Run VMG	1006.6	800.6	674.7	594.1	539.9	505.9	459.1
Selected Courses							
Windward / Leeward	1056.1	858.6	739.8	669.6	633.1	612.9	586.0
Circular Random	887.8	716.2	624.1	570.8	538.2	517.0	489.6
Coastal / Long Distance	1051.1	805.2	667.2	588.1	548.7	517.9	467.4
Non Spinnaker	952.4	762.0	658.4	597.6	560.2	536.1	506.6

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.1°	41.6°	41.3°	39.8°	39.4°	39.4°	39.4°
Beat VMG	3.26	3.93	4.47	4.83	4.96	5.00	5.05
52°	5.01	5.95	6.59	6.91	7.05	7.10	7.14
60°	5.31	6.26	6.79	7.08	7.24	7.32	7.34
75°	5.55	6.50	6.95	7.23	7.47	7.66	7.83
90°	5.49	6.56	7.09	7.34	7.54	7.82	8.30
110°	5.56	6.68	7.21	7.61	8.01	8.27	8.69
120°	5.41	6.55	7.14	7.55	8.00	8.46	9.14
135°	4.91	6.04	6.84	7.28	7.68	8.13	9.14
150°	4.13	5.19	6.16	6.87	7.27	7.64	8.48
Run VMG	3.58	4.50	5.34	6.06	6.67	7.12	7.84
Gybe Angles	145.5°	150.0°	150.0°	158.0°	180.0°	180.0°	180.0°