



ORC

Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **US6741**
Issued On **11/11/2020**
ORC Ref **03410000SR2**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 934kg
Maximum **934kg**
Minimum* **701kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	659.8	0.9094
Non Spin OSN	639.1	0.9388

Sails Limitations

Headsails **6** Spinnakers **4**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 166.47**
Flying H/S: **Yes 70.61**
Spin. Pole: **No**

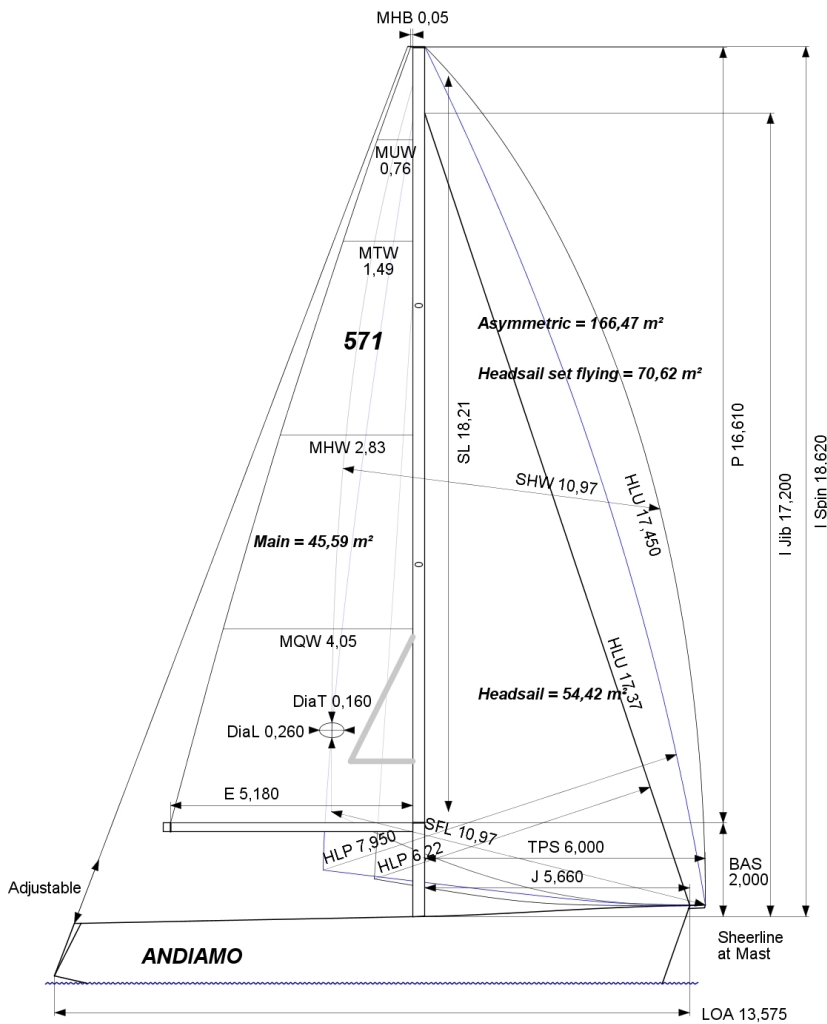
Class Division Length

CDL = 10.256

Stability (Estimated)

Limit Positive Stab.: **101.1°**
Stability Index: **104.0**

Owner



BOAT	GPH	HULL
Name Andiamo Sail Nr 571	605.6	Data File US6741 LOA 13.575m Offset File JEANNEAU479S MB 4.486m Displacement 10,809kg Draft 1.615m
CLASS Class Sun Od 479 SD Designer Philippe Briand Builder Jeanneau Series 01/2016 Age Date 01/2016 Age Allowance 0.130%		IMS Division Cruiser/Racer Dynamic All. 0.258% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 12.555m VCGD 0.365m Sink 33.56kg/mm RL 7.956m VCGM 0.399m WS 41.48m² LSMO 12.385m Displacement/Length ratio 5.6898
PROPELLER Installation Strut PRD 0.440 Type Folding 3 blades PBW 0.110 PIPA 0.0041		Water Ballast 0 Trim Tab BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	590.3	679.3
Time on Time	1.0165	0.9936
Triple Number	Low Medium High	Low Medium High
Time on Distance	708.9 531.6 471.9	939.8 680.7 593.6
Time on Time	0.9522 1.2698 1.4303	0.7182 0.9916 1.1371

2020

ORC Club Certificate Appendix

BOAT							
Name	Andiamo	Certificate Number			US6741		
Sail Nr	571	Issued On			11/11/2020		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1141.6	930.0	815.1	748.6	719.2	707.1	710.1
52°	712.3	585.3	515.0	477.6	462.2	455.0	451.7
60°	644.2	535.6	478.1	450.1	438.4	432.7	429.9
75°	584.7	496.9	453.7	433.5	420.9	412.7	406.6
90°	586.4	497.3	452.8	431.3	417.0	404.4	383.3
110°	601.3	491.8	440.4	416.5	397.5	382.3	363.5
120°	614.7	501.6	445.4	419.0	397.3	376.2	343.8
135°	688.9	548.9	472.3	434.7	412.4	391.1	350.1
150°	817.6	644.1	541.0	478.2	445.8	428.6	396.5
Run VMG	944.1	743.8	624.7	552.1	514.8	492.7	433.6
Selected Courses							
Windward / Leeward	1042.9	836.9	719.9	650.4	617.0	599.9	571.8
Circular Random	846.7	677.8	586.4	533.4	501.4	481.3	457.6
Coastal / Long Distance	1033.0	778.4	637.5	552.6	509.4	477.4	424.1
Non Spinnaker	948.9	749.0	637.7	570.6	528.8	502.4	473.6

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	48.4°	47.3°	46.9°	46.5°	45.8°	45.8°	46.5°
Beat VMG	3.15	3.87	4.42	4.81	5.01	5.09	5.07
52°	5.05	6.15	6.99	7.54	7.79	7.91	7.97
60°	5.59	6.72	7.53	8.00	8.21	8.32	8.38
75°	6.16	7.25	7.93	8.30	8.55	8.72	8.85
90°	6.14	7.24	7.95	8.35	8.63	8.90	9.39
110°	5.99	7.32	8.17	8.64	9.06	9.42	9.90
120°	5.86	7.18	8.08	8.59	9.06	9.57	10.47
135°	5.23	6.56	7.62	8.28	8.73	9.21	10.28
150°	4.40	5.59	6.65	7.53	8.07	8.40	9.08
Run VMG	3.81	4.84	5.76	6.52	6.99	7.31	8.30
Gybe Angles	143.0°	147.0°	147.0°	148.5°	149.5°	152.0°	177.0°