



ORC

Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

EYU
Purje 8
11911, Tallinn
Estonia

Certificate

Number **Est241**
Issued On **4/1/2020**
ORC Ref **0358000FCE**
VPP Ver. **2020 1.01**
Valid until **31/12/2020**

Crew Weight

Default	353kg
Maximum	300kg
Minimum*	215kg

*when applied by the NoR and SI

Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	807.5	0.7430
Non Spin OSN	780.2	0.7690

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester

Spinnaker configuration

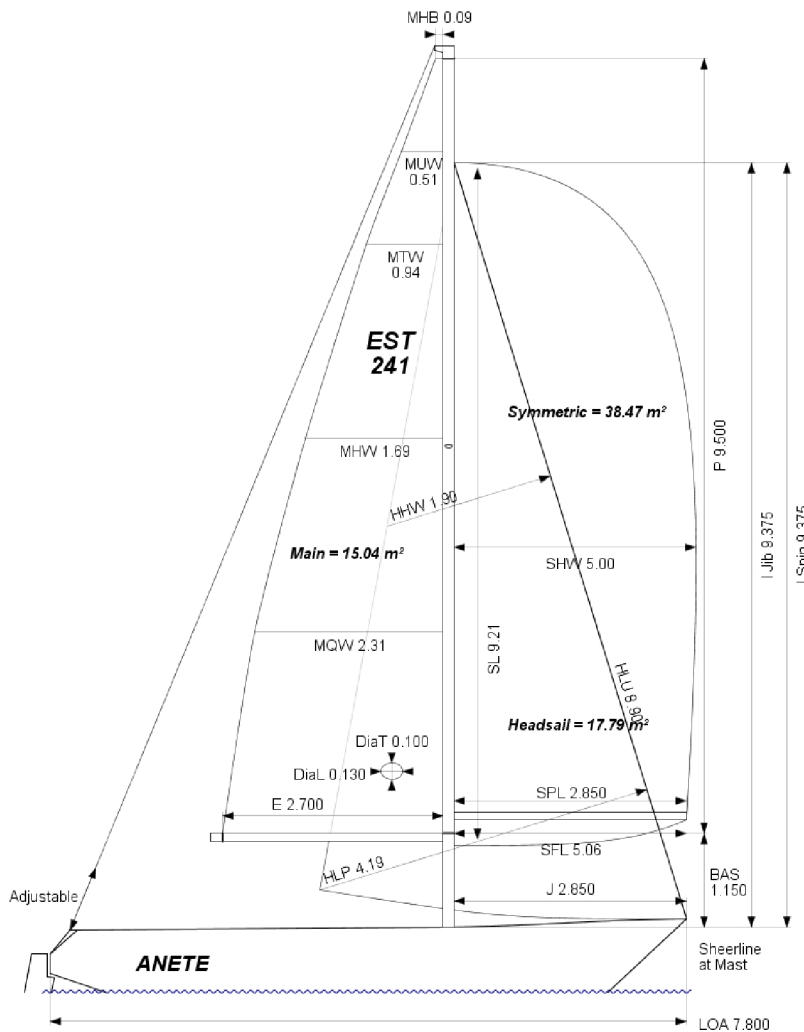
Symmetric: **Yes** **38.47**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 5.857

Stability (Estimated)

Limit Positive Stab.: **111.2°**
Stability Index: **107.7**



BOAT		GPH		HULL					
Name ANETE		775.9		Data File Est0241	LOA 7.800m				
Sail Nr EST241				Offset File Albin78_sc.off	MB 2.760m				
				Displacement 2,350kg	Draft 1.470m				
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.535%				
Class ALBIN 78				Plan Review	Construction Solid				
Designer Peter Norlin				Fiber Rigging No	Aramid Core No				
Builder				Crew Arm Ex	Carbon Rudder No				
Series 01/1978					Light Stanchions No				
Age Date 01/1984				IMSL 6.342m	VCGD -0.021m	Sink 9.05kg/mm			
Age Allowance 0.487%				RL 5.370m	VCGM 0.027m	WS 12.94m²			
COMMENTS				LSM0 6.265m	Displacement/Length ratio				
				Water Ballast	Trim Tab No				
				BLR Index 0.0000					
PROPELLER				CENTERBOARD					
Installation Strut		PRD 0.360		N/A					
Type Folding 3 blades		PIPA 0.0030							
SCORING OPTIONS									
	COASTAL / LONG DISTANCE					WINDWARD / LEEWARD			
Time on Distance	753.4					836.7			
Time on Time	0.7963					0.8067			
Triple Number	Low	Medium	High	Low	Medium	High			
Time on Distance	885.7	687.9	617.8	1136.2	841.6	735.5			
Time on Time	0.7621	0.9813	1.0925	0.5941	0.8020	0.9178			

BOAT	
Name ANETE	Sail Nr EST241
File Est0241	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 14/10/2019		SG	
FFM	FF	0.888	SFFP 0.483
FAM	FA	0.754	SAFP 7.500
LCF from stem on CL / on sheer		4.229 / 4.412	
Maximum beam station from stem		4.541	
RM Measured		30.5kg·m	
RM Default		29.6kg·m	
Limit of positive stability / Stab.Index		111.2° / 107.7	
Freeboard at mast at 2.850		0.790	



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Measurements
Datasheet

RIG				
Forestay Tension	Aft	Spreaders	1	
Inner Stay	None Fitted	Runners/Checkstays	0	
Carbon Mast	No	Jib Furler	No	
Fiber Rigging	No	Main Furler	No	
Non-Circular Rigging	No			
Articulated Bowsprit	No			
P	9.500	E	2.700	MDT1 0.100 MW 0.130
IG	9.375	J	2.850	MDL1 0.130 GO 0.130
ISP	9.375	SFJ		MDT2 0.100 BD
BAS	1.150	SPL	2.850	MDL2 0.130 MWT
FSD	0.023	TPS		TL MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.360
Type	Folding 3 blades	PBW	
Twin Screw	No	PIPA	0.0030
ST1	0.048	ST3	0.170
ST2	0.170	ST4	0.098
		ST5	0.200
		EDL	1.075

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.09	0.51	0.94	1.69	2.31	15.04										
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.06	0.46	0.92	1.90	3.02	4.19	8.90	147%	17.79		No					
3	0.05	0.40	0.78	1.57	2.40	3.22	8.57	113%	13.68		No					
2	0.06	0.32	0.61	1.25	2.04	2.93	8.92	103%	12.12		No					
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	9.21	9.21	9.21	5.00	5.06	38.47										
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT			
Name	ANETE	Certificate Number	Est241
Sail Nr	EST241	Issued On	4/1/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1309.5	1101.4	982.5	911.2	880.0	870.9	882.7
52°	860.4	731.4	662.8	632.3	617.2	610.4	609.7
60°	817.0	695.3	641.3	616.6	601.8	592.4	588.4
75°	788.3	671.6	625.9	603.2	586.0	571.7	554.0
90°	788.7	658.8	609.3	584.6	570.2	561.1	534.3
110°	780.4	651.2	604.0	575.4	549.2	528.1	506.9
120°	805.6	666.8	610.9	581.8	554.9	529.9	494.3
135°	888.2	727.9	637.9	600.4	573.4	546.7	502.1
150°	1027.5	822.6	701.6	630.7	598.2	573.0	525.3
Run VMG	1186.4	947.3	803.7	702.3	636.9	603.1	554.2
Selected Courses							
Windward / Leeward	1248.0	1024.3	893.1	806.8	758.5	737.0	718.5
Circular Random	1064.2	861.3	752.9	690.4	652.8	629.4	602.8
Coastal / Long Distance	1241.8	961.6	806.0	711.5	663.0	629.1	573.8
Non Spinnaker	1121.3	901.7	782.9	713.4	671.1	644.6	615.8

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	42.8°	41.6°	41.3°	40.5°	40.1°	40.1°	41.3°
Beat VMG	2.75	3.27	3.66	3.95	4.09	4.13	4.08
52°	4.18	4.92	5.43	5.69	5.83	5.90	5.91
60°	4.41	5.18	5.61	5.84	5.98	6.08	6.12
75°	4.57	5.36	5.75	5.97	6.14	6.30	6.50
90°	4.56	5.46	5.91	6.16	6.31	6.42	6.74
110°	4.61	5.53	5.96	6.26	6.55	6.82	7.10
120°	4.47	5.40	5.89	6.19	6.49	6.79	7.28
135°	4.05	4.95	5.64	6.00	6.28	6.58	7.17
150°	3.50	4.38	5.13	5.71	6.02	6.28	6.85
Run VMG	3.03	3.80	4.48	5.13	5.65	5.97	6.50
Gybe Angles	149.0°	153.0°	155.0°	172.0°	180.0°	180.0°	180.0°