

GPH = **597.7** CDL = **8.772**

BOAT

Class **FARR 30**
Designer **FARR**
Builder **OVINGTON**
Age Date **05/2005**
Series Date **01/1996**
Offset File **FARR30.OD.OFF**

HULL

Length Overall **9.435 m**
Maximum Beam **3.038 m**
Draft **2.125 m**
Displacement **2,174 kg**
DLR **3.4229**
IMS Division **Performance**
Dynamic Allowance **0.000%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.358m**

CREW

Maximum weight **490 kg**
Minimum weight **368 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	30.35	31.10
Headsail Luffed	19.06	19.06
Headsail Flying		
Symmetric	86.14	86.14
Asymmetric		

SAIL LIMITATIONS

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

STABILITY

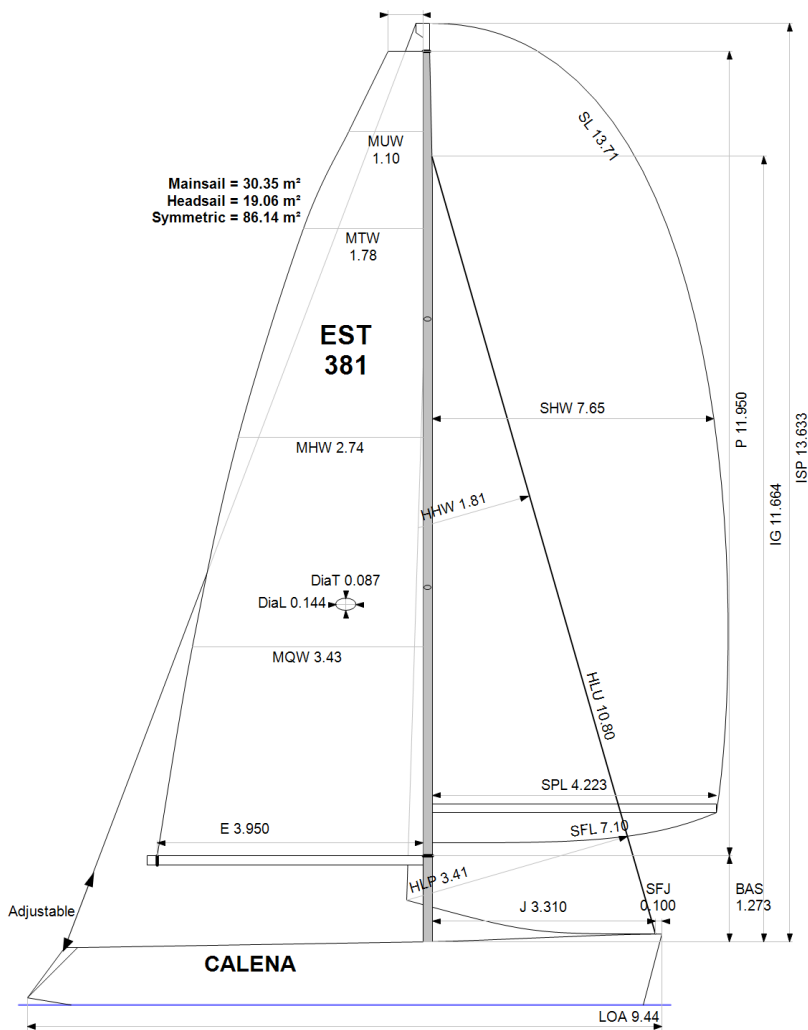
Righting Moment **50.1 kg·m**
Stability Index **124.1**

COMMENTS

EX SWE 381

OWNER

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.0°	40.9°	38.3°	37.5°	37.5°	37.1°	37.9°
Beat VMG	3.65	4.41	4.88	5.03	5.09	5.14	5.16
52°	5.53	6.48	6.87	7.03	7.11	7.14	7.26
60°	5.85	6.68	7.05	7.27	7.39	7.45	7.62
75°	6.10	6.83	7.22	7.60	7.90	8.07	8.20
90°	6.05	6.84	7.25	7.70	8.19	8.60	9.09
110°	6.20	7.06	7.58	7.96	8.35	8.77	9.65
120°	6.07	7.01	7.65	8.28	8.74	9.20	10.16
135°	5.47	6.68	7.30	8.00	8.84	9.82	11.41
150°	4.62	5.79	6.72	7.29	7.92	8.66	10.79
Run VMG	4.00	5.02	5.85	6.46	7.01	7.53	9.34
Gybe Angles	144.0°	146.0°	153.5°	161.5°	180.0°	180.0°	145.3°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	986.1	816.5	738.2	715.1	707.3	700.9	698.0
52°	650.9	555.2	523.7	511.9	506.4	504.0	496.2
60°	615.9	538.8	510.9	495.4	487.4	483.0	472.3
75°	589.9	527.2	498.5	473.5	455.4	446.1	439.0
90°	595.5	526.0	496.8	467.3	439.7	418.4	396.3
110°	580.9	509.8	474.9	452.1	431.2	410.6	373.0
120°	593.4	513.4	470.8	434.7	411.8	391.3	354.4
135°	658.3	539.2	493.3	450.1	407.4	366.7	315.6
150°	778.5	621.5	535.9	494.1	454.7	415.7	333.7
Run VMG	898.9	717.6	615.9	557.4	513.3	477.9	385.3
Selected Courses							
Windward / Leeward	942.5	767.1	677.0	636.2	610.3	589.4	541.7
All purpose	727.9	610.1	554.6	524.2	500.7	481.7	450.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	658.2	0.9116
All purpose	536.4	1.1185

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	582.1	1.0307
Triple Number Coastal/Long Distance Low	669.0	0.8969
Triple Number Coastal/Long Distance Medium	535.6	1.1202
Triple Number Coastal/Long Distance High	474.6	1.2643
Triple Number Windward/Leeward Low	854.8	0.7019
Triple Number Windward/Leeward Medium	654.2	0.9171
Triple Number Windward/Leeward High	576.7	1.0404

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	938.2	723.6	616.8	558.5	521.5	487.9	427.6



Data in meters/kilograms (Metric)

HULL AND APPENDAGES

Class	FARR 30	LOA	9.435	VCGD	-0.397
Measurement	22/05/2019	Max. Beam	3.038	VCGM	-0.338
Measurer		Draft	2.125	RM Measured (kg·m)	50.1
HIN		Displacement	2,174	RM Default (kg·m)	49.4
Plan review		Wetted area	15.65	Limit of positive stability(°)	130.4
Hull construction	Cored	IMS L	8.841	Stability Index	124.1
Carbon Rudder	No	LSM0	8.595		
Light stanchions	No	Acc. length	9.435		
Trim tab	No	Sink (kg/mm)	11.66		

PROPELLER

Propeller Type	Folding 2 blades	PRD	0.358	EDL	1.245	ST3	0.180
Installation	Strut	PBW	0.093	ST1	0.042	ST4	0.112
Twin screw	No			ST2	0.180	ST5	0.220
PIPA	0.0031						

RIG

Forestay tension	Aft	P	11.950	E	3.950
Inner stay	None Fitted	IG	11.664	J	3.310
Carbon mast	Yes	ISP	13.633	BAS	1.273
Headsail furler	No	MDT1	0.087	FSD	0.030
Mainsail furler	No	MDL1	0.144	SFJ	0.100
Articulated bowsprit	No	MDT2	0.066	SPL	4.223
Non-circular rigging	No	MDL2	0.102	TPS	0.000
Fiber rigging	No	TL	1.930	BD	0.140
Runners/Checkstays	0	MW	0.136	MWT	68.70
Spreaders	2	GO	0.144	MCG	4.312

FLOTATION AND STABILITY

Inclining Test	Poles Inclining	SFFP	0.222	SAFP	8.685	W1	41.1	PD1	656.1	WD	10.135
Flotation Date	22/05/2019	FFM	1.041	FAM	0.770	W2	41.1	PD2	652.5	PLM	9000.00
Measurer		FF	1.046	FA	0.776	W3	41.1	PD3	656.9	GSA	1.0
Comment	FB CHECKS AT THE 2021 WORLDS	LCFcl	5.274	LCFsh	5.465	W4	41.1	PD4	651.3	RSA	1.0
		SG	1.0010	HBI	0.942						

MEASUREMENT INVENTORY

Id	Tank Type	Capacity	LCG	VCG	Condition	Description
f	fuel plastic	25.0	6.50		15.0	
Id	Item Description	Weight	LCG	VCG		
b1	Ballast Lead	12.0	6.30			
b2	Ballast Lead	12.0	6.80			
Total ballast		24.0				
Id	Item Description	Weight	LCG	VCG		
b1	Battery Li 40 Ah	8.3	6.30			
b2	Battery Li 40 Ah	8.3	6.60			



International
Certificate
2021

Boat
Calena
EST 381

Offshore
Racing
Congress

Certificate number: 243/21



MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Maker	Material	Comment
2	0.52	1.10	1.78	2.74	3.43	30.35		22/05/2021		Unknown	P 11,95 E 3,95

HEADSAIL

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying	FT	Area	Measurer	Meas.Date	Maker	Material	Comment
4	0.09	0.35	0.95	1.81	2.66	3.41	10.80	Yes	No		19.06		22/05/2021		Unknown	
3	0.09	0.44	0.83	1.56	2.29	3.03	10.46	Yes	No		16.25		19/04/2018	NS	Unknown	HW-jib

SYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Maker	Material	Comment
3	13.71	13.71	13.71	7.65	7.10	86.14		29/04/2020	NS	Nylon	White S-2
2	13.54	13.54	13.54	7.61	7.24	85.03		29/04/2020	NS	Nylon	Red S-2
1	11.66	11.66	11.66	5.50	6.88	56.12		19/04/2018	NS	Unknown	S-4