

GPH = **641.0** CDL = **8.625**

**BOAT**

Class **First 34.7**  
Designer **Farr**  
Builder **Beneteau**  
Age Date **05/2007**  
Series Date **10/2005**  
Offset File **FIRST347-DEEPRUDDER.off**

**HULL**

Length Overall **9.980 m**  
Maximum Beam **3.372 m**  
Draft **1.989 m**  
Displacement **4,439 kg**  
DLR **6.2220**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.193%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **Strut**  
Type **Folding 2 blades**  
Diameter **0.410m**

**CREW**

Maximum weight **715 kg**  
Minimum weight **536 kg \* when applied**  
Non Manual Power **No**  
Crew Arm Extension

**SAIL AREAS (m<sup>2</sup>)**

	Measured	Rated
Mainsail	<b>33.38</b>	<b>34.09</b>
Headsail Luffed	<b>26.67</b>	<b>26.67</b>
Headsail Flying		
Symmetric	<b>77.46</b>	<b>77.46</b>
Asymmetric		

**SAIL LIMITATIONS**

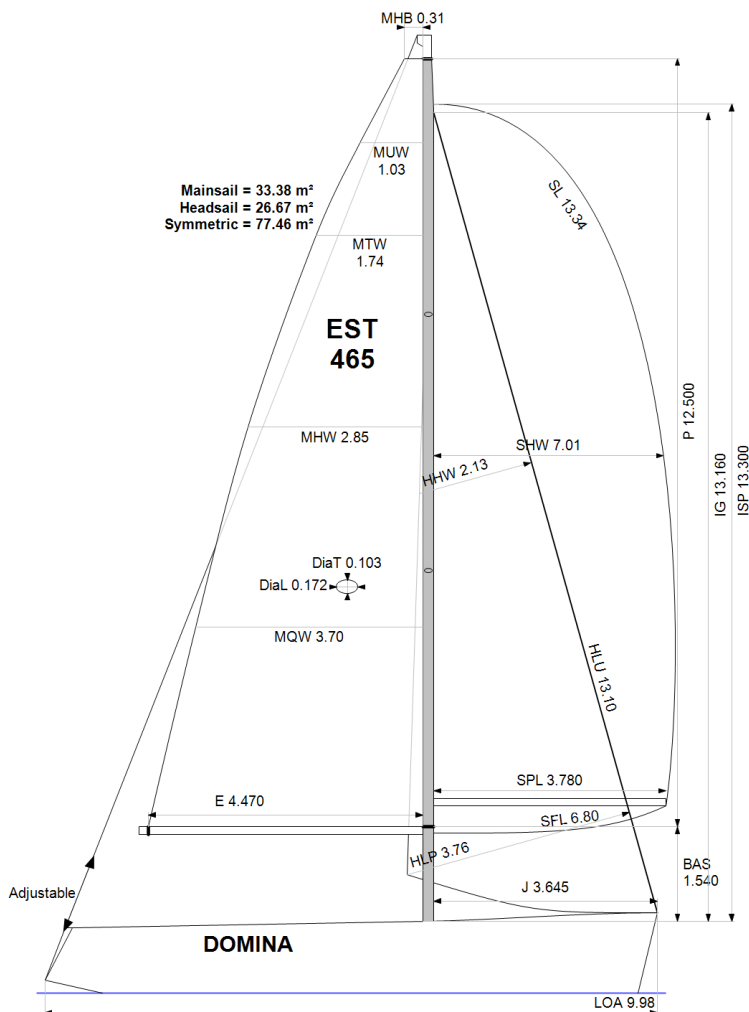
Headsails **5**  
Spinnakers **4**

**STABILITY**

Righting Moment **100.6 kg·m**  
Stability Index **127.8**

**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	42.8°	41.6°	41.1°	39.0°	39.0°	39.0°	39.0°
Beat VMG	3.29	3.97	4.53	4.88	5.01	5.06	5.11
52°	5.05	6.00	6.63	6.94	7.08	7.14	7.18
60°	5.36	6.31	6.82	7.11	7.28	7.35	7.38
75°	5.59	6.53	6.98	7.26	7.50	7.71	7.88
90°	5.52	6.57	7.11	7.39	7.57	7.86	8.35
110°	5.55	6.67	7.20	7.61	8.03	8.34	8.77
120°	5.39	6.53	7.12	7.54	7.98	8.44	9.23
135°	4.88	6.00	6.82	7.26	7.65	8.10	9.09
150°	4.12	5.19	6.13	6.84	7.25	7.62	8.45
Run VMG	3.57	4.49	5.32	6.03	6.65	7.11	7.83
Gybe Angles	145.5°	150.0°	151.0°	158.0°	180.0°	180.0°	180.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1093.7	906.5	795.2	737.1	718.0	711.3	703.8
52°	712.5	599.8	543.0	518.6	508.4	504.5	501.4
60°	672.3	570.7	527.6	506.6	494.8	489.6	487.6
75°	644.0	551.1	516.0	496.1	479.9	467.2	456.6
90°	652.6	547.8	506.6	487.1	475.6	458.1	430.9
110°	648.8	539.6	499.8	473.0	448.4	431.6	410.6
120°	668.4	551.4	505.3	477.7	451.0	426.4	389.9
135°	738.2	600.1	528.2	496.1	470.3	444.5	396.1
150°	872.8	694.2	586.9	526.2	496.7	472.7	426.0
Run VMG	1007.9	801.6	676.9	596.8	541.1	506.7	459.8
Selected Courses							
Windward / Leeward	1050.8	854.0	736.0	666.9	629.6	609.0	581.8
All purpose	808.3	665.8	590.9	549.8	525.3	509.4	486.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	701.1	0.8558
All purpose	570.4	1.0518

### Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	622.3	0.9642
Triple Number Coastal/Long Distance Low	737.0	0.8141
Triple Number Coastal/Long Distance Medium	567.1	1.0581
Triple Number Coastal/Long Distance High	504.6	1.1891
Triple Number Windward/Leeward Low	952.4	0.6300
Triple Number Windward/Leeward Medium	696.2	0.8618
Triple Number Windward/Leeward High	603.9	0.9935

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1046.5	801.4	664.4	585.9	546.6	515.7	464.5

Data in meters/kilograms (Metric)

**HULL AND APPENDAGES**

Class	<b>First 34.7</b>	LOA	<b>9.980</b>	VCGD	<b>-0.136</b>
Measurement	<b>29/07/2019</b>	Max. Beam	<b>3.372</b>	VCGM	<b>-0.110</b>
Measurer		Draft	<b>1.989</b>	RM Measured (kg·m)	<b>100.6</b>
HIN		Displacement	<b>4,439</b>	RM Default (kg·m)	<b>97.3</b>
Plan review		Wetted area	<b>22.13</b>	Limit of positive stability(°)	<b>128.8</b>
Hull construction	<b>Cored</b>	IMS L	<b>9.052</b>	Stability Index	<b>127.8</b>
Carbon Rudder	<b>Yes</b>	LSM0	<b>8.935</b>		
Light stanchions		Acc. length	<b>9.980</b>		
Trim tab	<b>No</b>	Sink (kg/mm)	<b>16.21</b>		

**PROPELLER**

Propeller Type	<b>Folding 2 blades</b>	PRD	<b>0.410</b>	EDL	<b>1.800</b>	ST3	
Installation	<b>Strut</b>	PBW	<b>0.118</b>	ST1	<b>0.035</b>	ST4	<b>0.100</b>
Twin screw	<b>No</b>			ST2		ST5	<b>0.118</b>
PIPA	<b>0.0027</b>						

**RIG**

Forestay tension	<b>Aft</b>	P	<b>12.500</b>	E	<b>4.470</b>
Inner stay	<b>None Fitted</b>	IG	<b>13.160</b>	J	<b>3.645</b>
Carbon mast	<b>Yes</b>	ISP	<b>13.300</b>	BAS	<b>1.540</b>
Headsail furler	<b>No</b>	MDT1	<b>0.103</b>	FSD	<b>0.033</b>
Mainsail furler	<b>No</b>	MDL1	<b>0.172</b>	SFJ	<b>0.000</b>
Articulated bowsprit	<b>No</b>	MDT2	<b>0.103</b>	SPL	<b>3.780</b>
Non-circular rigging	<b>No</b>	MDL2	<b>0.140</b>	TPS	
Fiber rigging	<b>No</b>	TL	<b>0.850</b>	BD	<b>0.130</b>
Runners/Checkstays	<b>0</b>	MW	<b>0.172</b>	MWT	<b>116.00</b>
Spreaders	<b>2</b>	GO	<b>0.197</b>	MCG	<b>4.440</b>

**FLOTATION AND STABILITY**

Inclining Test	<b>Poles Inclining</b>	SFFP	<b>0.172</b>	SAFP	<b>9.530</b>	W1	<b>68.7</b>	PD1	<b>552.8</b>	WD	<b>10.264</b>
Flotation Date	<b>12/05/2019</b>	FFM	<b>1.297</b>	FAM	<b>1.051</b>	W2	<b>68.7</b>	PD2	<b>543.8</b>	PLM	<b>9000.00</b>
Measurer		FF	<b>1.305</b>	FA	<b>1.058</b>	W3	<b>68.7</b>	PD3	<b>555.1</b>	GSA	<b>1.0</b>
Comment	<b>Pirita</b>	LCFcl	<b>5.361</b>	LCFsh	<b>5.594</b>	W4	<b>68.7</b>	PD4	<b>556.1</b>	RSA	<b>1.0</b>
		SG	<b>1.0000</b>	HBI	<b>1.172</b>						

**MEASUREMENT INVENTORY**

Id	Tank Type	Capacity	LCG	VCG	Condition	Description
1	<b>Water PVC</b>	<b>100.0</b>	<b>4.00</b>			<del>0.0</del> <b>Water tank, stb.</b>
2	<b>Fuel PVC</b>	<b>75.0</b>	<b>7.55</b>			<del>40.0</del> <b>Fuel tank, center</b>
Id	Item Description	Weight	LCG	VCG		
1	<b>Battery Battery 70Ah, ports</b>		<b>3.70</b>			
2	<b>Battery Battery 70Ah, ports</b>		<b>3.95</b>			
1	<b>Miscellaneous Boiler 25BX Quickmatic, ports.</b>		<b>6.90</b>			



International  
Certificate  
2021

Boat  
**DOMINA**  
EST 465

Offshore  
Racing  
Congress

Certificate number: 210/21



#### MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Maker	Material	Comment
4a	0.31	1.03	1.74	2.85	3.70	33.38		28/07/2019	North	Unknown	Hine

#### HEADSAIL

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying	FT	Area	Measurer	Meas.Date	Maker	Material	Comment
11a	0.11	0.64	1.18	2.13	2.97	3.76	13.10	No	No		26.67		29/07/2019	North	Unknown	3Di Light 2019
10a	0.11	0.60	1.12	2.08	2.94	3.75	13.06	No	No		26.14		29/07/2019	North	Unknown	3Di Medium 2019
7a	0.11	0.59	1.09	2.03	2.91	3.72	12.83	Yes	No		25.31		08/04/2018	North	Carbon	3Di_Medium_2015
9	0.08	0.49	0.91	1.80	2.70	3.61	12.57	No	No		22.78		25/01/2018	North	Unknown	3Di_Heavy 2018

#### SYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Maker	Material	Comment
S1,5	13.34	13.34	13.34	7.01	6.80	77.46		18/01/2020	North	Unknown	S1,5 2020
S2	12.91	12.94	12.93	7.25	6.84	77.21		12/08/2019	North	Unknown	Jazz Pesulad
S1,5	13.24	13.23	13.24	6.93	6.70	75.92		12/08/2019	North	Unknown	Hine Cognac
S3	12.99	12.99	12.99	6.37	6.70	69.67		18/05/2019	North	Unknown	S3 2020 Light blue