

APH ToD: **557.8**

CDL: **7.402**

APH ToT: **1.0756**

CertNo:

BOAT

Class	Farr 25 OD
Designer	Farr
Builder	OD Yachting
Age date	01/2009
Series date	01/2008
Offset file	FARR-25.off
Data file	TUR2501 test 200223

HULL

Length Overall	7.620 m
Maximum Beam	2.490 m
Draft	1.784 m
Displacement	901 kg
DLR	2.8493
IMS Division	Sportboat
Dynamic Allowance	0.000%
Age Allowance	0.487%

PROPELLER

Installation	No Propeller
Type	N/A
Diameter	N/A

CREW

Maximum weight	415 kg (declared)
Minimum weight	285 kg *when applied
Non Manual Power	No
Crew Arm Extension	

SAIL AREAS (m²)

	Measured	Rated
Mainsail	21.78	22.53
Headsail Luffed	13.65	13.65
Headsail Flying		
Symmetric		
Asymmetric	60.30	60.30

(All asymmetric spinnakers with SHW/SFL > 85%)

STORM SAIL AREAS (m²)

Trysail	6.15
Storm Jib	4.29
Heavy Weather Jib	11.57

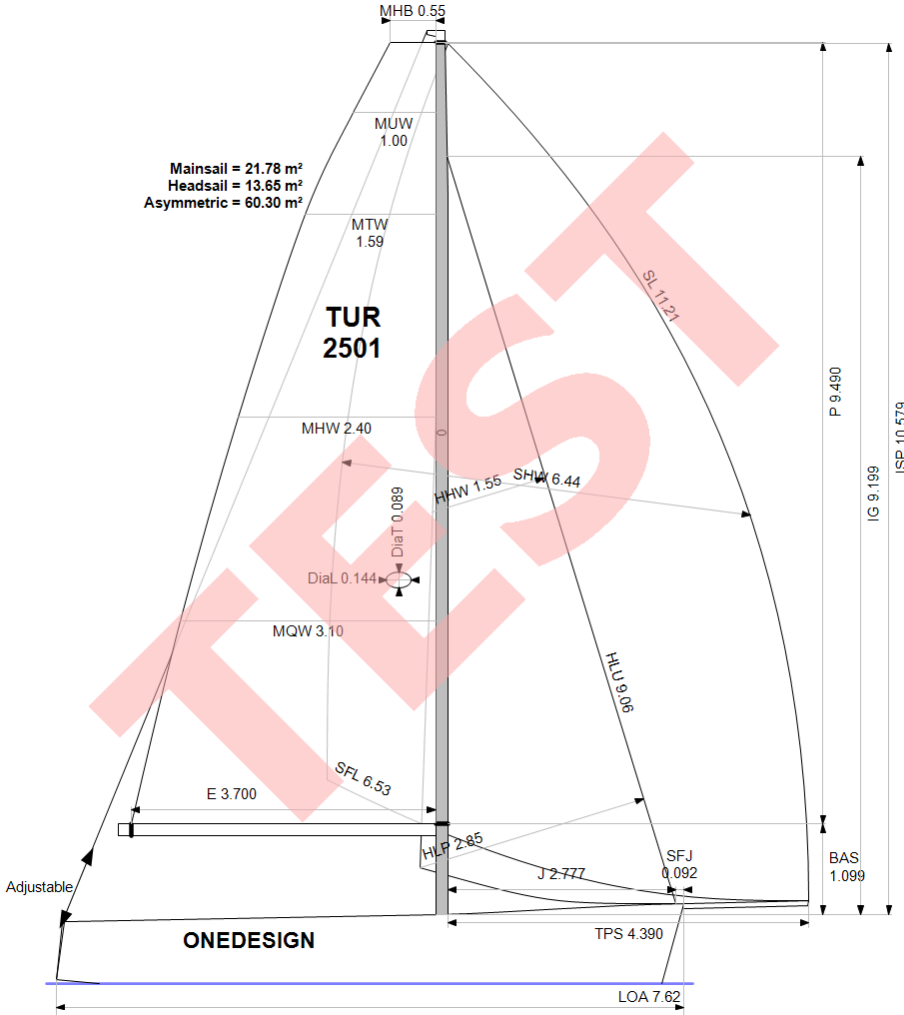
SAIL LIMITS

Headsails	5
Spinnakers	4

STABILITY

Righting Moment	N/A
Stability Index	N/A

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	43.2°	40.3°	38.4°	38.5°	38.7°	38.9°	39.9°	42.0°
Beat VMG	3.52	4.22	4.56	4.66	4.69	4.71	4.69	4.52
52°	5.34	6.14	6.50	6.64	6.73	6.80	6.86	6.76
60°	5.60	6.32	6.74	6.95	7.09	7.19	7.29	7.24
75°	5.76	6.47	7.01	7.44	7.68	7.88	8.12	8.22
90°	5.79	6.51	7.03	7.67	8.24	8.62	9.18	9.55
110°	5.89	6.79	7.49	7.98	8.45	8.92	10.28	11.32
120°	5.75	6.72	7.59	8.39	9.01	9.62	10.79	11.98
135°	5.18	6.29	7.11	8.06	9.23	10.51	12.55	14.28
150°	4.38	5.53	6.35	7.07	7.91	8.98	12.20	15.31
Run VMG	3.80	4.79	5.51	6.12	6.85	7.77	10.56	13.26
Gybe Angles	143.5°	147.8°	150.7°	148.4°	145.4°	143.9°	144.5°	148.7°

Time Allowances in secs/NM								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1024.0	852.2	789.6	773.3	766.9	763.9	767.6	796.4
52°	674.5	586.6	554.0	541.9	534.6	529.2	524.9	532.8
60°	642.7	569.6	534.4	517.8	508.0	500.9	494.2	497.3
75°	625.1	556.7	513.8	483.9	468.7	456.9	443.4	437.9
90°	622.3	552.8	511.9	469.6	437.0	417.6	392.3	376.8
110°	611.0	530.0	480.4	451.2	425.9	403.8	350.1	317.9
120°	626.0	535.8	474.4	429.2	399.6	374.3	333.5	300.6
135°	694.9	572.2	506.3	446.4	389.8	342.5	286.8	252.1
150°	821.5	651.5	566.6	509.2	455.2	401.0	295.1	235.2
Run VMG	948.6	752.2	653.9	588.0	525.6	463.0	340.8	271.6
Selected Courses								
Windward / Leeward	986.3	802.2	721.8	680.6	646.3	613.5	554.2	534.0
All purpose	762.6	640.0	581.4	545.9	517.8	493.7	453.9	438.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	696.4	0.8616
All purpose	557.8	1.0756

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Farr 25 OD	LOA	7.620	VCGD	-0.260
Measurement	09/06/2010	Max. Beam	2.490	VCGM	-0.244
HIN		Draft	1.784	RM Rated (kg·m)	23.3
Plan review		Displacement	901	Limit of positive stability(°)	N/A
Hull construction	Cored	Wetted area	10.60	Stability Index	N/A
Carbon Rudder	Yes	IMS L	7.346	Default crew weight	398
Light stanchions	No	LSM0	6.812	Declared crew weight	415
Trim tab	No	Acc. length	7.620		
		Sink (kg/mm)	8.23		

PROPELLER

Propeller Type	No Propeller
Hydro generator	No

RIG

Forestay tension	Aft	P	9.490	E	3.700
Inner stay	None Fitted	IG	9.199	J	2.777
Mast material	Carbon	ISP	10.579	BAS	1.099
Single headsail furler	No	MDT1	0.089	FSD	0.000
Mainsail furler	No	MDL1	0.144	SFJ	0.092
Articulated bowsprit	No	MDT2	0.064	SPL	0.000
Non-circular rigging	No	MDL2	0.110	WPL	
Fiber rigging	No	TL	1.890	TPS	4.390
Adjustable mast foot	No	MW	0.135	BD	0.150
Runners/Checkstays	0	GO	0.152	MWT	44.20
Spreaders	1			MCG	3.950
Rotating mast	No				

FLOTATION AND STABILITY

Calculation method	VCG entered directly
VCG entered	-0.260
Flotation Date	19/05/2020

INVENTORY

OTHER ITEMS	Id	Kind	Description	Weight	LCG	VCG
	E1		Engine 2.3 Honda Outboard Engine			

Total deductible

MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
0	0.55	1.00	1.59	2.40	3.10	21.78	25/04/2024	

HEADSAIL

<i>Id</i>	<i>HBB</i>	<i>HUW</i>	<i>HTW</i>	<i>HHW</i>	<i>HQW</i>	<i>HLP</i>	<i>HLU</i>	<i>Btn</i>	<i>Flying FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
0	0.09	0.44	0.81	1.55	2.24	2.85	9.06	Yes	No	13.65	25/04/2024	
A	0.09	0.43	0.80	1.53	2.22	2.85	9.06	Yes	No	13.55	25/08/2021	
B						2.83	8.26	No	No	11.90	25/08/2021	
C	0.05	0.29	0.59	1.21	1.90	2.64	8.65	No	No	10.93	25/08/2021	

ASYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Ratio</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
C	12.03	10.38	11.21	6.44	6.53	99%	60.30	10/03/2022	A2
B	12.18	10.44	11.31	6.33	6.63	95%	60.23	10/03/2022	A 1.5
A	11.77	10.05	10.91	6.23	6.55	95%	57.22	10/03/2022	A1