

APH ToD: **659.2** CDL: **5.703**

APH ToT: **0.9102** CertNo: **25/1**

BOAT

Class	Star
Designer	Sweisguth
Builder	Folli
Age date	06/1989
Series date	06/1989
Offset file	STAR1B.OFF
Data file	BSTW25

HULL

Length Overall	6.920 m
Maximum Beam	1.718 m
Draft	0.975 m
Displacement	662 kg
DLR	6.0887
IMS Division	Sportboat
Dynamic Allowance	0.070%
Age Allowance	0.487%

PROPELLER

Installation	No Propeller
Type	N/A
Diameter	N/A

CREW

Maximum weight	190 kg (declared)
Minimum weight	120 kg * when applied
Non Manual Power	No
Crew Arm Extension	Loose or no lifelines

SAIL AREAS (m²)

	Measured	Rated
Mainsail	24.35	25.27
Headsail Luffed	5.80	5.80
Headsail Flying		
Symmetric		
Asymmetric		

STORM SAIL AREAS (m²)

Trysail	7.17
Storm Jib	2.39
Heavy Weather Jib	6.43

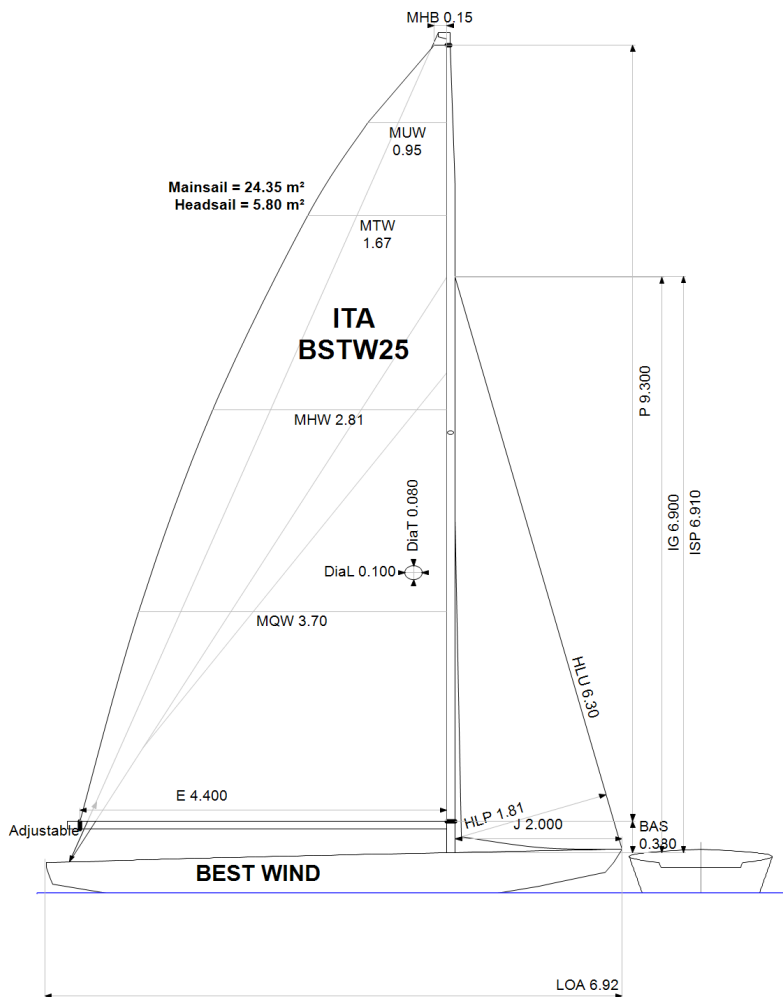
SAIL LIMITS

Headsails	5
Spinnakers	0 * No spinnaker pole aboard

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	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	42.8°	42.8°	40.2°	38.7°	38.2°	38.0°	38.0°	39.9°	44.1°
Beat VMG	2.39	3.24	3.83	4.07	4.18	4.25	4.28	4.20	3.92
52°	3.76	4.89	5.53	5.77	5.90	6.01	6.09	6.16	6.01
60°	4.00	5.11	5.68	5.96	6.12	6.25	6.35	6.47	6.41
75°	4.16	5.25	5.78	6.18	6.44	6.62	6.78	7.02	7.13
90°	4.09	5.18	5.75	6.23	6.67	6.98	7.26	7.76	8.16
110°	3.68	4.85	5.58	6.04	6.54	7.09	7.93	9.52	10.63
120°	3.35	4.54	5.38	5.86	6.33	6.84	7.49	10.61	12.08
135°	2.78	3.92	4.87	5.52	5.96	6.41	6.91	8.66	12.38
150°	2.28	3.31	4.27	5.05	5.60	6.02	6.43	7.49	10.28
Run VMG	1.96	2.87	3.73	4.54	5.22	5.71	6.14	7.08	8.90
Gybe Angles	147.1°	147.1°	173.0°	180.0°	180.0°	179.8°	180.0°	179.1°	140.6°



Double Handed
Club Certificate
2025

BEST WIND
ITA-BSTW25

FEDERAZIONE ITALIANA VELA
Distr.:UVAI www.uvai.it
Tel. + 39068841273
E-mail segreteria@uvai.it



Time Allowances in secs/NM									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1509.0	1110.5	939.2	884.7	860.8	847.6	840.4	856.8	918.8
52°	957.8	735.8	650.7	624.3	609.9	599.4	591.3	584.9	599.0
60°	900.2	704.5	633.6	604.4	588.3	576.4	567.3	556.4	561.5
75°	864.4	686.0	623.0	582.8	559.4	543.9	531.2	512.6	504.8
90°	880.4	694.4	625.6	577.8	539.5	516.1	496.1	463.8	441.3
110°	978.1	742.8	645.1	595.9	550.3	507.5	453.7	378.0	338.6
120°	1073.4	792.3	668.8	613.9	568.7	526.0	480.8	339.2	298.0
135°	1296.7	918.3	739.2	652.5	604.5	562.1	520.9	415.9	290.7
150°	1581.8	1086.3	843.6	712.9	642.9	598.4	560.3	480.9	350.2
Run VMG	1835.7	1254.4	964.4	792.6	689.8	630.0	586.0	508.6	404.4
Selected Courses									
Windward / Leeward	1670.1	1182.5	951.8	838.7	775.3	738.8	713.2	682.7	661.6
All purpose	1228.7	902.4	755.0	684.6	642.6	613.8	588.3	545.4	516.6

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	807.8	0.7427
All purpose	659.2	0.9102



Double Handed
Club Certificate
2025

BEST WIND
ITA-BSTW25

FEDERAZIONE ITALIANA VELA
Distr.:UVAI www.uvai.it
Tel. + 39068841273
E-mail segreteria@uvai.it



Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Star	LOA	6.920	VCGD	-0.500
Measurement	12/02/2013	Max. Beam	1.718	VCGM	-0.461
HIN		Draft	0.975	RM Rated (kg·m)	16.3
Plan review		Displacement	662	Limit of positive stability(°)	N/A
Hull construction	Cored	Wetted area	8.74	Stability Index	N/A
Carbon rudder	No	IMS L	5.388	Default crew weight	170
Light stanchions	No	LSM0	4.772	Declared crew weight	190
Trim tab	No	Acc. length	5.583		
		Sink (kg/mm)	5.72		

PROPELLER

Propeller Type **No Propeller**
Hydro generator **No**

RIG

Forestay tension	Aft	P	9.300	E	4.400
Inner stay	None Fitted	IG	6.900	J	2.000
Mast material	Aluminum	ISP	6.910	BAS	0.380
Single headsail furler	No	MDT1	0.080	FSD	No Foil
Mainsail furler	No	MDL1	0.100	SFJ	
Articulated bowsprit	No	MDT2	0.040	SPL	
Non-circular rigging	No	MDL2	0.040	WPL	
Fiber rigging	No	TL	1.680	TPS	
Adjustable mast foot	No	MW	0.100	BD	0.100
Running backstays	1	GO	0.100	MWT	
Checkstays	1			MCG	
Spreaders	1				
Rotating mast	No				

FLOTATION AND STABILITY

Calculation method **VCG entered directly**
VCG entered **-0.500**
Flotation Date **23/08/2025**



Double Handed
Club Certificate
2025

BEST WIND
ITA-BSTW25

FEDERAZIONE ITALIANA VELA
Distr.:UVAI www.uvai.it
Tel. + 39068841273
E-mail segreteria@uvai.it



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>
A	0.15	0.95	1.67	2.81	3.70	24.35	22/08/2025	

HEADSAIL

<i>Id</i>	<i>HHB</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>
A	0.00	0.00	0.00	0.00	0.00	1.81	6.30	No	No	5.80	22/08/2025	