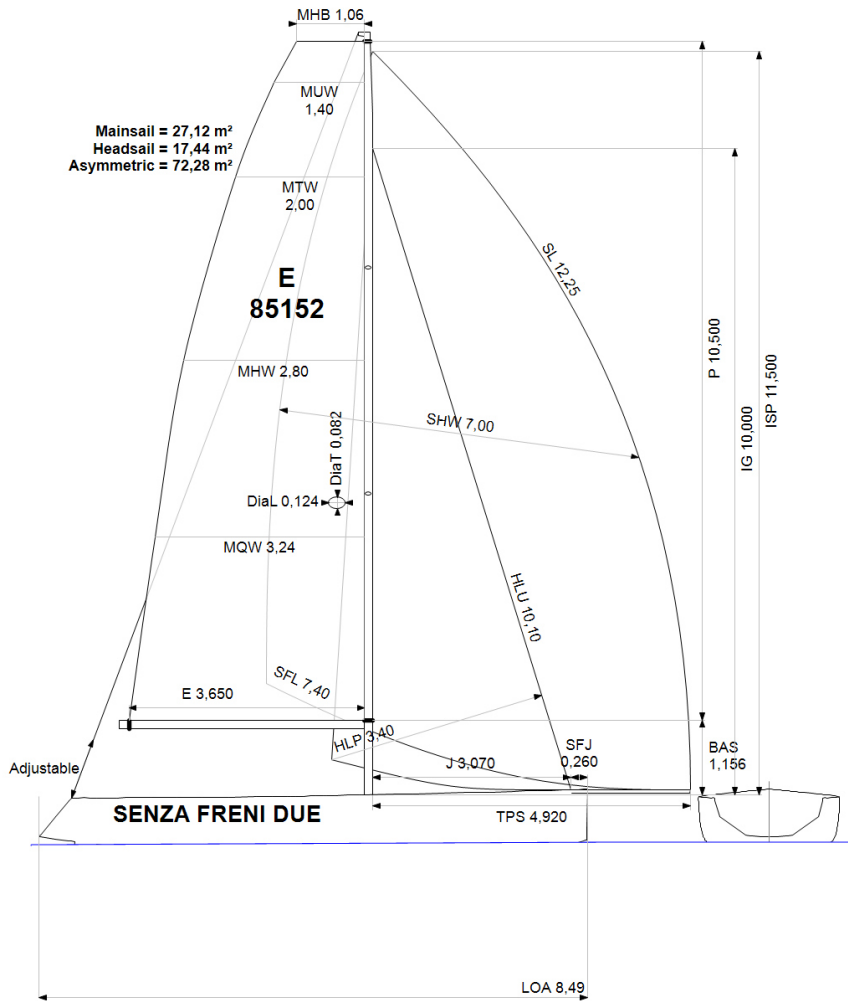


APH ToD: **540,5** CDL: **7,667**

APH ToT: **1,1101** CertNo: **149092**



BOOT

Klasse **ESSE 850**
Designer **FELCI**
Werft **PROTEUS YACHTS**
Age date **01.2013**
Series date **06.2004**
Offset file **S850.OD**
Data file **E85152**

RUMPF

Length Overall **8,494**
Maximum Beam **2,190**
Tiefgang **1,999**
Verdrängung **1,222**
DLR **3,0975**
IMS Division **Sportboot**
dynamische Vergütung **0,000%**
Altersvergütung **0,650%**
RS Assessment **-0,178%**

PROPELLER

Installation **No Propeller**
Typ **N.N.**
Diameter **N.N.**

CREW

Maximum weight **300** (declared)
Minimum weight **170** * when applied
Crew Arm Extension **Loose or no lifelines**

SAIL AREAS (m²)

	Measured	Rated
Mainsail	27,12	28,06
Headsail Luffed	17,44	17,44
Headsail Flying		
Symmetric		
Asymmetric	72,28	72,28

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

STORM SAIL AREAS Maximum (m²)

Trysail **6,71**
Storm Jib **5,14**
Heavy Weather Jib **13,87**

SAIL LIMITS

Headsails **5**
Spinnaker **4**

STABILITY

Righting Moment **34,7**
Stability Index **121,6**

COMMENTS

ONE-DESIGN CLUB CERTIFICATE
MMSI 211481990

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									
Windgeschwindigkeit	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	44,9°	42,4°	39,7°	39,2°	39,7°	40,0°	40,2°	41,4°	43,7°
Beat VMG	2,68	3,82	4,41	4,59	4,66	4,69	4,71	4,65	4,44
52°	4,18	5,76	6,43	6,63	6,74	6,81	6,86	6,87	6,73
60°	4,49	6,04	6,67	6,89	7,03	7,13	7,21	7,26	7,16
75°	4,72	6,21	6,92	7,28	7,50	7,69	7,83	7,98	8,02
90°	4,58	6,12	6,90	7,52	7,94	8,25	8,53	8,93	9,22
110°	4,50	6,23	7,10	7,61	8,09	8,55	9,21	10,16	10,82
120°	4,34	6,12	7,14	7,90	8,49	9,08	9,66	10,75	11,75
135°	3,87	5,55	6,71	7,62	8,68	9,81	10,68	12,24	13,91
150°	3,20	4,66	5,86	6,75	7,56	8,55	9,77	12,97	16,06
Run VMG	2,77	4,04	5,08	5,86	6,55	7,41	8,46	11,23	14,13
Gybe Angles	139,5°	142,0°	146,9°	152,2°	150,2°	145,8°	144,0°	147,7°	152,0°

Time Allowances in secs/NM									
Windgeschwindigkeit	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1341,7	943,4	816,4	784,4	772,0	766,9	763,6	773,6	811,2
52°	860,2	624,6	559,8	543,0	534,3	528,9	524,8	524,0	535,0
60°	801,7	596,5	539,5	522,8	512,4	505,0	499,3	495,7	502,6
75°	762,3	579,4	520,6	494,8	479,7	468,4	459,8	451,0	448,8
90°	785,2	588,2	522,1	478,7	453,5	436,5	422,3	403,1	390,4
110°	800,3	577,7	507,2	472,8	445,0	421,1	391,0	354,4	332,8
120°	829,8	587,9	504,1	455,6	423,9	396,4	372,6	334,9	306,5
135°	930,9	648,2	536,4	472,8	415,0	367,0	337,0	294,2	258,8
150°	1124,3	772,5	614,1	533,7	476,0	420,9	368,5	277,6	224,1
Run VMG	1298,2	892,1	709,1	614,6	549,5	486,0	425,5	320,5	254,8
Selected Courses									
Windward / Leeward	1319,9	917,7	762,8	699,5	660,8	626,4	594,6	547,1	533,0
All purpose	1001,4	711,0	606,9	561,4	531,5	506,7	484,6	454,4	443,6

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	672,4	0,8923
All purpose	540,5	1,1101

Custom scoring options for Germany

Scoring Option	Time On Time
Coastal/Long Distance	1,0213
Triple Number Coastal/Long Distance Low	0,9105
Triple Number Coastal/Long Distance Medium	1,1079
Triple Number Coastal/Long Distance High	1,2532
Triple Number Windward/Leeward Low	0,7141
Triple Number Windward/Leeward Medium	0,8908
Triple Number Windward/Leeward High	1,0261

Performance Curve	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Coastal/Long Distance	1317,8	915,2	719,2	630,6	571,2	527,9	488,3	425,4	409,4

For information

General Purpose Handicap (GPH)	598,7
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