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Double Handed

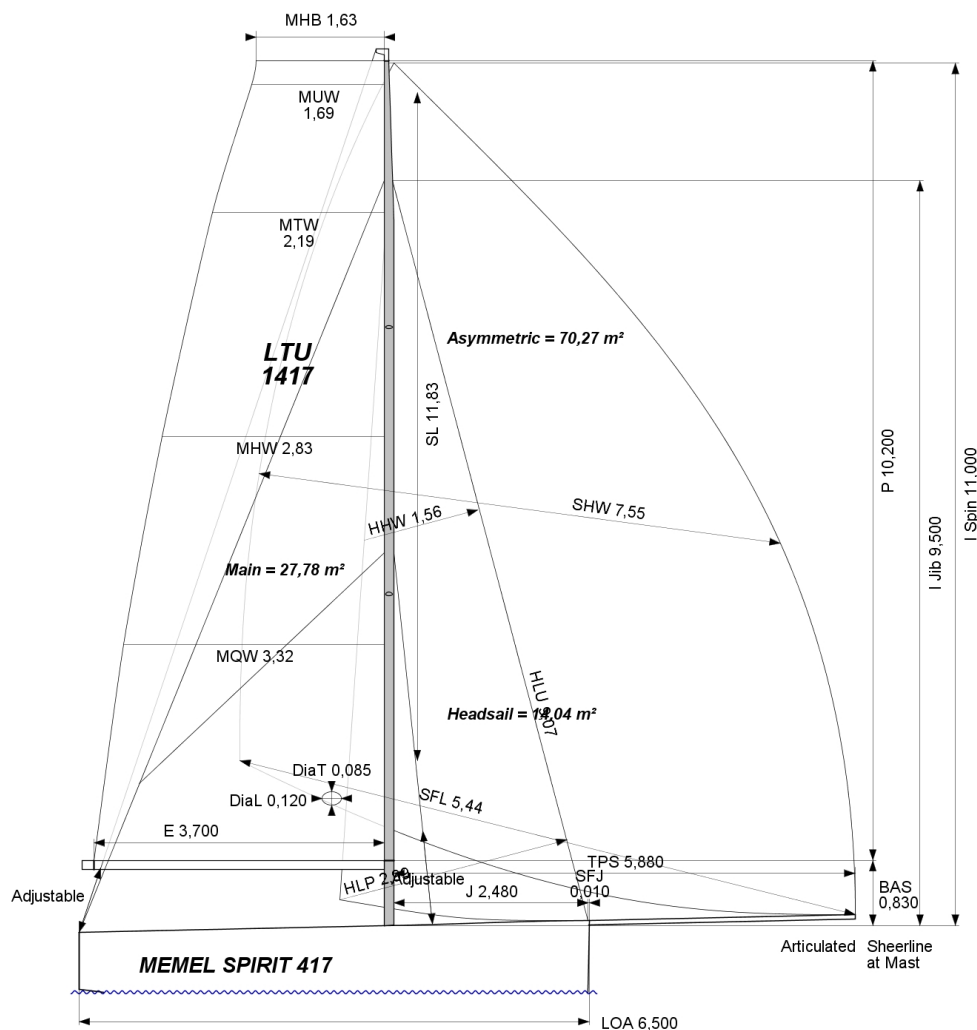
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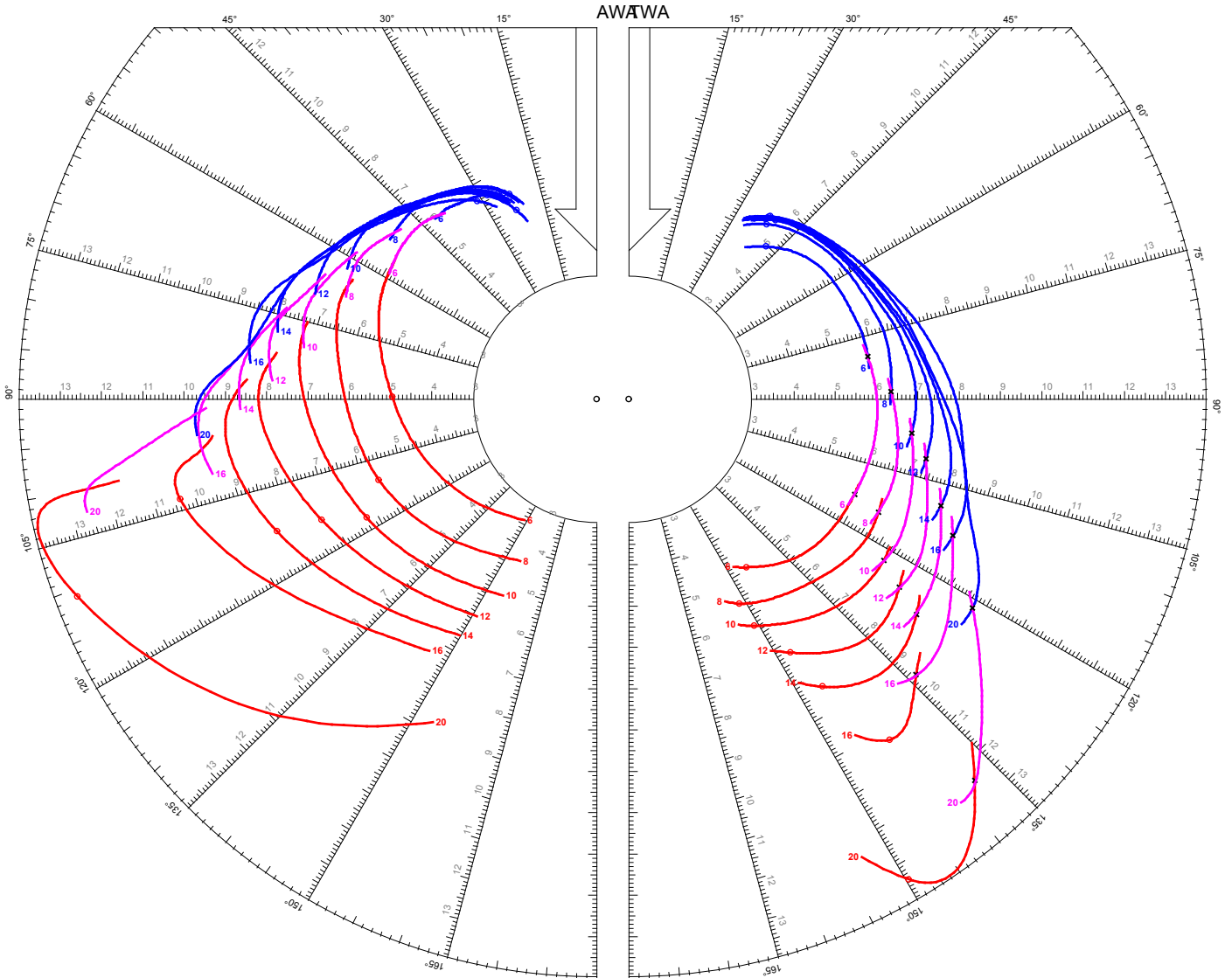


Certificate

Number **LT1417**
Issued On **20/08/2020**
ORC Ref **035900000J**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



BOAT Name MEMEL SPIRIT 417 Sail Nr LTU 1417		GPH 636.3	HULL Data File MemelSpirit LOA 6.500m Offset File CLMINI614.OFF MB 3.000m Displacement 836kg Draft 2.022m		Crew Weight Default 170kg Maximum 180kg Non Manual Pwr No
CLASS Class Mini Transat Designer Lombard Builder Le Havre Series 01/2003 Age Date 01/2003 Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.000% Fiber Rigging Yes Construction Carbon Crew Arm Ex 0.00 Aramid Core No Carbon Rudder Yes Light Stanchions No		Sails Limitations Headsails 5 Spinnakers 4 Asymmetric on centerline Spinnaker configuration Symmetric: No Asymmetric: Yes 70.27 Flying H/S: No Spin. Pole: No	
COMMENTS		IMSL 6.417m VCGD 0.189m Sink 8.68kg/mm RL 6.573m VCGM 0.204m WS 10.38m² LSM0 6.128m Displacement/Length ratio 3.6329		Stability (Estimated) Limit Positive Stab.: 98.6° Stability Index: 89.9	
PROPELLER Type No Propeller		BILGEBOARD BS 1.100 BT 0.034 BA 0.0 BF 0.000 BX 3.200 BC 0.298 BY 0.700		Owner	
SCORING OPTIONS					
	Time on Distance	Time on Time			
Coastal or Long Distance	625.9	0.9586			
Circular Random	636.3	0.9430			
Predominantly Upwind	646.9	0.9275			
Predominantly Downwind	558.5	1.0743			



Polar Plot for Boat	
Name	MEMEL SPIRIT 417
Sail Number	LTU 1417
Class	Mini Transat
Designer	Lombard
Builder	Le Havre
Issued On	20/08/2020 - VPP 2020 1.02

BOAT			
Name	MEMEL SPIRIT 417	Certificate Number	LT1417
Sail Nr	LTU 1417	Issued On	20/08/2020

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	977.9	852.6	828.1	823.6	817.1	816.3	834.4	
52°	653.9	607.0	596.0	591.5	587.0	581.3	583.1	
60°	632.6	589.8	576.8	570.1	566.4	555.4	554.1	
75°	612.3	566.3	540.8	529.0	522.2	515.8	500.8	
90°	595.3	555.3	520.1	495.0	481.8	474.6	457.0	
110°	603.7	536.7	492.5	463.7	442.4	423.2	408.2	
120°	617.3	543.2	488.3	444.0	417.1	394.5	368.9	
135°	657.6	578.7	510.2	442.8	400.6	364.7	295.3	
150°	771.9	634.5	572.6	511.5	451.0	380.5	269.8	
Run VMG	891.3	732.2	660.4	590.7	520.8	439.4	311.5	
Selected Courses								
Windward / Leeward	934.6	792.4	744.2	707.2	668.9	627.9	572.9	
Circular Random	834.1	693.8	621.4	578.7	549.4	526.7	492.0	
Coastal / Long Distance	930.3	750.1	674.2	614.0	569.3	525.4	463.7	
Non Spinnaker	909.8	748.4	664.1	615.2	583.6	560.7	526.7	

Velocity Prediction in Knots for True Wind Speeds								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat Angles	42.0°	38.3°	37.1°	37.3°	37.5°	37.7°	39.4°	
Beat VMG	3.68	4.22	4.35	4.37	4.41	4.41	4.31	
52°	5.51	5.93	6.04	6.09	6.13	6.19	6.17	
60°	5.69	6.10	6.24	6.32	6.36	6.48	6.50	
75°	5.88	6.36	6.66	6.81	6.89	6.98	7.19	
90°	6.05	6.48	6.92	7.27	7.47	7.59	7.88	
110°	5.96	6.71	7.31	7.76	8.14	8.51	8.82	
120°	5.83	6.63	7.37	8.11	8.63	9.13	9.76	
135°	5.47	6.22	7.06	8.13	8.99	9.87	12.19	
150°	4.66	5.67	6.29	7.04	7.98	9.46	13.35	
Run VMG	4.04	4.92	5.45	6.09	6.91	8.19	11.56	
Gybe Angles	145.0°	151.5°	159.5°	147.4°	146.0°	142.5°	149.7°	