

BOAT	GPH	HULL
Name MOOMIN Sail Nr USA 61234	642.0	Length Overall 10.070m Maximum Beam 3.180m Displacement 3,462kg Draft 1.690m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.185% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 9.620m VCGD 0.116m Sink 16.26kg/mm RL 7.921m VCGM 0.065m WS 20.62m² LSM0 9.525m Displacement/Length ratio 4.0062
Class FF33R Designer STILL Builder FINN Series 05/2006 Age 06/2010 Age Allowance 0.422% Offset File FIN10352SK.off - 07/06/2017 10:06:42 Measurement by - 05/04/2016		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	624.5			706.2		
Time on Time	0.9608			0.9558		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	737.4	567.6	507.8	958.8	707.7	623.5
Time on Time	0.9154	1.1893	1.3293	0.7040	0.9538	1.0826

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1115.2	915.3	801.8	750.3	737.4	735.3	723.4
52°	723.0	607.4	542.8	518.8	512.1	509.7	502.1
60°	680.7	576.8	525.4	504.2	496.1	492.8	486.6
75°	650.3	554.2	513.0	490.9	475.1	465.8	460.6
90°	635.8	533.6	496.6	482.5	467.5	447.7	424.6
110°	632.3	528.3	488.9	458.8	435.0	420.5	396.8
120°	654.4	541.0	496.0	464.5	432.2	403.2	370.0
135°	734.2	594.0	520.9	487.1	456.4	424.7	362.1
150°	872.3	690.5	585.4	527.8	498.7	476.6	420.9
Run VMG	1007.2	797.3	676.0	609.5	570.0	522.9	472.2
Selected Courses							
Windward / Leeward	1061.2	856.3	738.9	679.9	653.7	629.1	597.8
Circular Random	885.3	713.8	622.5	570.2	538.3	517.0	487.6
Coastal / Long Distance	1055.8	802.1	664.5	589.2	551.3	517.2	460.7
Non Spinnaker	961.4	766.1	659.6	597.0	558.3	532.9	500.3

Certificate

Number **US6205**
ORC Ref **USAX02251F3**
Issued On **13/03/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **642kg**
Maximum **470kg**
Minimum* **353kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **681.5 0.8804**
Non Spin OSN **658.8 0.9108**

Sails Limitations

Headsails	Spinnakers
5	3

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	44.3°	41.9°	41.1°	40.2°	39.9°	39.9°	40.3°
Beat VMG	3.23	3.93	4.49	4.80	4.88	4.90	4.98
52°	4.98	5.93	6.63	6.94	7.03	7.06	7.17
60°	5.29	6.24	6.85	7.14	7.26	7.30	7.40
75°	5.54	6.50	7.02	7.33	7.58	7.73	7.82
90°	5.66	6.75	7.25	7.46	7.70	8.04	8.48
110°	5.69	6.81	7.36	7.85	8.28	8.56	9.07
120°	5.50	6.65	7.26	7.75	8.33	8.93	9.73
135°	4.90	6.06	6.91	7.39	7.89	8.48	9.94
150°	4.13	5.21	6.15	6.82	7.22	7.55	8.55
Run VMG	3.57	4.52	5.33	5.91	6.32	6.88	7.62
Gybe Angles	143.9°	147.4°	147.8°	149.5°	173.5°	176.4°	177.4°

Class Division Length

CDL = 8.771

Storm Sails Areas

Heavy Weather Jib **22.00**
Storm Jib (JL=8.30) **8.15**
Storm Trysail **8.94**

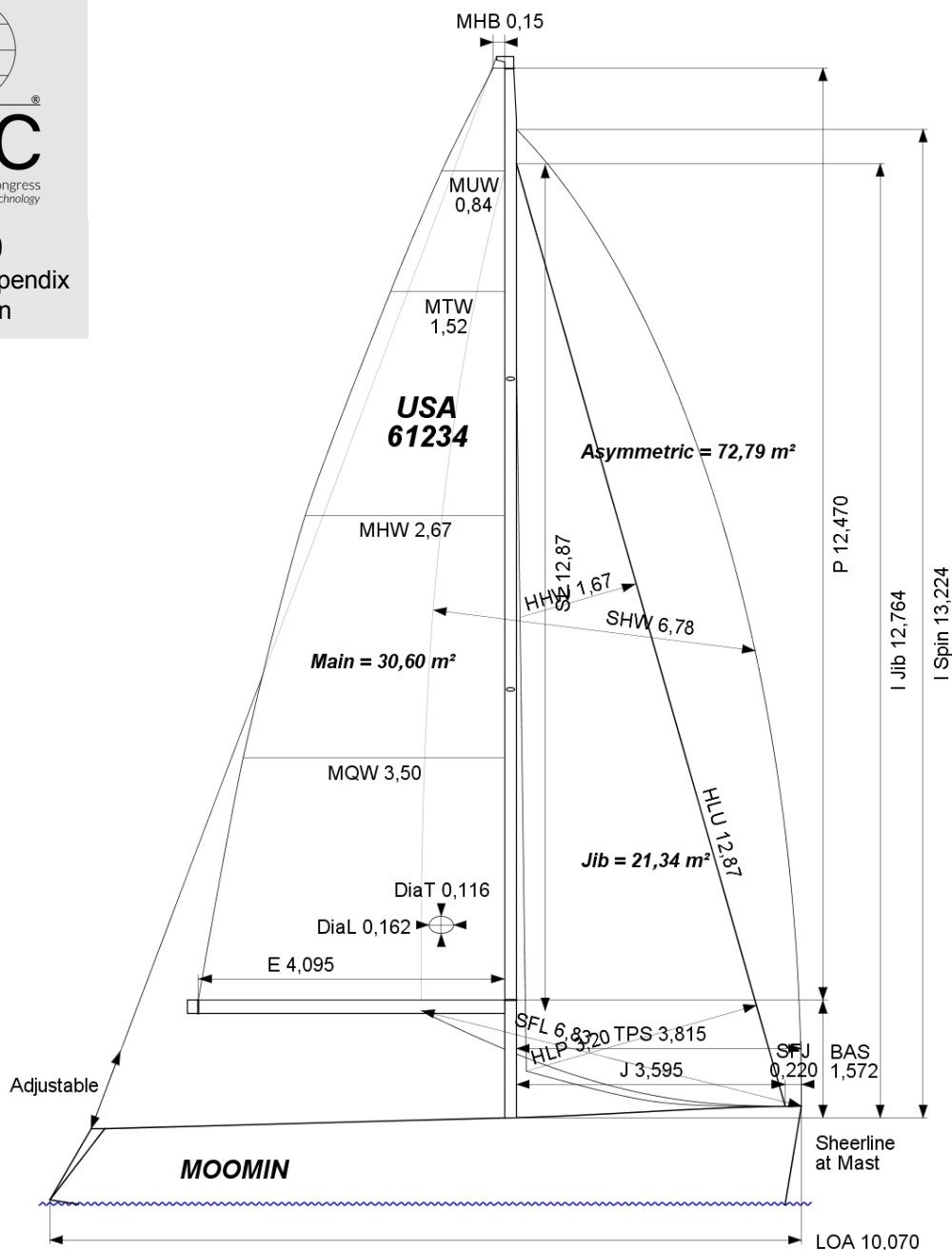
Owner



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1707784	0.15	0.84	1.52	2.67	3.50	30.60			North Sails		Main 2018

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1707794	0.08	0.48	0.89	1.67	2.46	3.20	12.87	89%	21.34	Y				North Sails		Jib 2018

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1574609	13.83	11.90	12.87	6.78	6.83	72.80	asym			North		