

BOAT		GPH	HULL	
Name TICKET TO RIDE		530.3	Length Overall 13.829m	
Sail Nr US 45454			Maximum Beam 3.888m	
GENERAL		Displacement 9,973kg		
		Draft 2.838m		
		IMS Reg. Division Performance		
		Dynamic Allowance 0.000%		
		Fwd Accommodation Yes		
		Hull Construction Cored		
		Carbon Rudder Yes		
		Crew Arm Extension 0.00		
		IMSL 12.650m VCGD -0.220m Sink 26.83kg/mm		
		RL 11.591m VCGM -0.279m WS 36.72m²		
		LSM0 12.437m Displacement/Length ratio 5.1842		
Class SWAN 45				
Designer FRERS				
Builder NAUTOR				
Series 03/2003				
Age 03/2003				
Age Allowance 0.487%				
Offset File US41495.OFF - 12/07/2018 13:32:46				
Measurement by - 17/05/2003				



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	517.6			579.3		
Time on Time	1.1591			1.1653		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	591.5	474.3	430.6	760.9	581.2	518.2
Time on Time	1.1411	1.4232	1.5677	0.8871	1.1613	1.3025

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	854.4	712.3	646.9	620.2	607.2	595.8	583.6
52°	565.9	481.4	451.4	440.8	435.5	432.5	424.5
60°	537.1	464.6	440.2	429.7	424.2	420.9	413.3
75°	516.0	453.7	431.2	417.6	407.7	401.7	396.1
90°	521.5	454.9	429.6	413.2	398.6	385.8	370.0
110°	520.9	446.1	421.0	407.6	395.1	383.2	359.9
120°	534.8	449.9	420.0	398.1	382.8	369.2	344.4
135°	597.6	479.6	434.9	410.0	384.8	359.8	317.4
150°	708.9	570.1	483.4	437.0	418.0	399.3	359.5
Run VMG	818.5	658.3	558.2	503.8	480.4	450.7	408.7
Selected Courses							
Windward / Leeward	836.5	685.3	602.5	562.0	543.8	523.2	496.1
Circular Random	715.7	583.9	515.3	476.8	453.4	437.3	414.1
Coastal / Long Distance	834.7	645.2	546.5	492.7	465.6	440.0	398.6
Non Spinnaker	778.1	628.1	547.6	500.5	471.0	451.1	425.0

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	41.9°	40.4°	39.3°	38.0°	37.4°	36.6°	36.7°
Beat VMG	4.21	5.05	5.57	5.80	5.93	6.04	6.17
52°	6.36	7.48	7.98	8.17	8.27	8.32	8.48
60°	6.70	7.75	8.18	8.38	8.49	8.55	8.71
75°	6.98	7.93	8.35	8.62	8.83	8.96	9.09
90°	6.90	7.91	8.38	8.71	9.03	9.33	9.73
110°	6.91	8.07	8.55	8.83	9.11	9.40	10.00
120°	6.73	8.00	8.57	9.04	9.41	9.75	10.45
135°	6.02	7.51	8.28	8.78	9.36	10.01	11.34
150°	5.08	6.31	7.45	8.24	8.61	9.02	10.02
Run VMG	4.40	5.47	6.45	7.15	7.49	7.99	8.81
Gybe Angles	143.2°	145.4°	148.2°	152.3°	152.9°	176.2°	177.3°

Certificate

Number **US6231**
ORC Ref **USAX01E0R1V**
Issued On **12/07/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **940kg**
Maximum **950kg**
Minimum* **713kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **564.3 1.0633**
Non Spin OSN **551.6 1.0877**

Sails Limitations

Headsails	Spinnakers
7	5

Class Division Length

CDL = **12.122**

Storm Sails Areas

Heavy Weather Jib **47.73**
Storm Jib (JL=12.23) **17.68**
Storm Trysail **21.72**

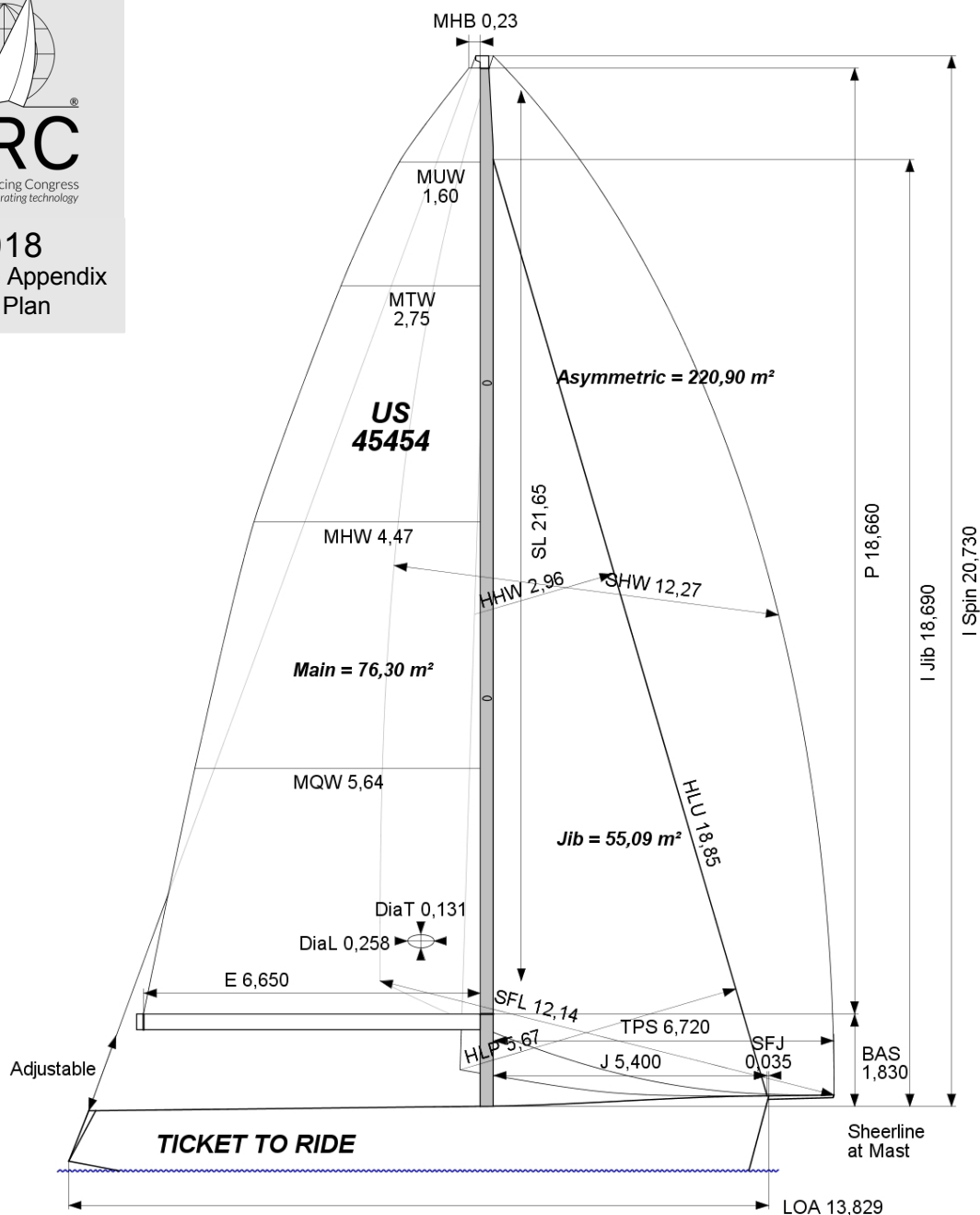
Owner



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
532708	0.23	1.60	2.75	4.47	5.64	76.30					

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
532706		0.88	1.58	2.96		5.67	18.85	105%	55.10						Mark Plough	

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
1951860	23.13	20.17	21.65	12.27	12.14	220.91	asym			JOHN W.		2017 A2