

BOAT	GPH	HULL
Name PTERODACTYL Sail Nr 45045	484.9	Length Overall 13.820m Maximum Beam 4.102m Displacement 5,854kg Draft 3.366m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Carbon, Aramid Carbon Rudder Yes Crew Arm Extension
GENERAL		IMSL 13.222m VCGD -1.006m Sink 25.54kg/mm RL 12.628m VCGM -0.981m WS 35.91m² LSM0 12.951m Displacement/Length ratio 2.6949
Class R/P 45 Designer R/P Builder HAKES Series 01/2006 Age 01/2006 Age Allowance 0.422% Offset File 174-0K08C.OFF - 12/07/2019 17:47:54 Measurement by - 01/06/2017		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	473.4			534.5		
Time on Time	1.2674			1.2628		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	547.6	434.4	375.6	709.9	542.2	461.0
Time on Time	1.2326	1.5539	1.7972	0.9509	1.2450	1.4641

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	812.1	675.6	620.3	594.2	574.5	558.7	551.1
52°	526.4	446.4	423.6	413.3	407.0	397.1	388.6
60°	491.2	427.8	408.2	397.2	389.7	380.7	367.5
75°	461.8	414.0	387.7	370.7	360.1	353.1	334.0
90°	458.2	414.0	382.3	354.5	336.8	325.9	311.7
110°	485.9	416.6	387.5	362.7	340.5	313.5	274.5
120°	496.2	419.9	379.0	352.9	333.1	308.7	272.8
135°	545.6	440.0	398.1	358.4	320.4	290.2	254.7
150°	655.7	514.7	442.0	398.4	365.8	329.4	263.4
Run VMG	757.2	594.3	510.4	462.9	422.4	380.4	304.1
Selected Courses							
Windward / Leeward	784.7	635.0	565.4	528.6	498.4	469.6	427.6
Circular Random	662.0	538.1	471.7	431.7	404.6	383.9	352.7
Coastal / Long Distance	781.9	596.8	509.1	455.4	419.9	386.0	334.3
Non Spinnaker	719.7	579.8	503.3	456.9	425.9	403.5	371.4

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	43.5°	42.6°	40.7°	39.5°	38.2°	37.6°	37.5°
Beat VMG	4.43	5.33	5.80	6.06	6.27	6.44	6.53
52°	6.84	8.06	8.50	8.71	8.85	9.07	9.27
60°	7.33	8.42	8.82	9.06	9.24	9.46	9.80
75°	7.80	8.70	9.29	9.71	10.00	10.19	10.78
90°	7.86	8.70	9.42	10.15	10.69	11.05	11.55
110°	7.41	8.64	9.29	9.93	10.57	11.48	13.11
120°	7.26	8.57	9.50	10.20	10.81	11.66	13.20
135°	6.60	8.18	9.04	10.04	11.24	12.41	14.13
150°	5.49	6.99	8.14	9.04	9.84	10.93	13.67
Run VMG	4.75	6.06	7.05	7.78	8.52	9.46	11.84
Gybe Angles	141.3°	142.3°	149.3°	152.7°	149.2°	146.8°	145.3°

Certificate

Number **US6201**
ORC Ref **USAX02C3QHD**
Issued On **12/07/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **995kg**
Maximum **995kg**
Minimum* **746kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **518.3 1.1576**
Non Spin OSN **509.2 1.1783**

Sails Limitations

Headsails	Spinnakers
7	5

Class Division Length

CDL = 12.926

Storm Sails Areas

Heavy Weather Jib **48.96**
Storm Jib (JL=12.38) **18.14**
Storm Trysail **23.27**

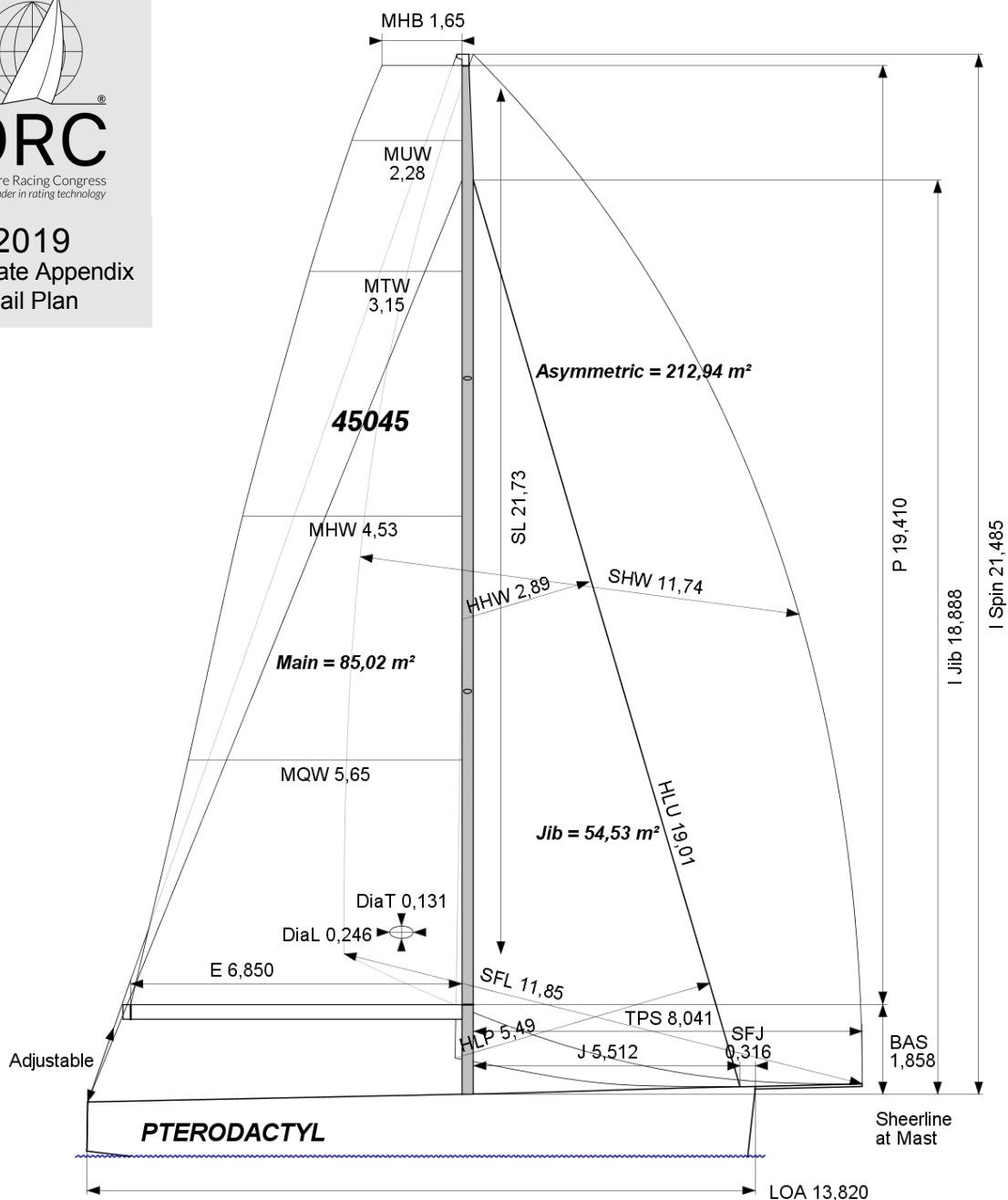
Owner



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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
2613997	1.65	2.28	3.15	4.53	5.65	85.02			JACK ORR		2019 M-3

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2613983	0.14	0.85	1.62	2.89	4.22	5.49	19.01	100%	54.54	Y	N			JACK ORR		2019 J2

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
2614007	23.40	20.05	21.73	11.74	11.85	212.95	asym			JACK ORR		2019 A2