

BOAT	GPH	HULL
Name DORADE Sail Nr 16	586.4	Length Overall 16.020m Maximum Beam 3.140m Displacement 17,269kg Draft 2.581m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.373% Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 12.321m VCGD -0.536m Sink 23.90kg/mm RL 8.933m VCGM -0.556m WS 47.18m² LSM0 11.932m Displacement/Length ratio 10.1655
Class S&S 52 Designer Sparkman & Stephen Builder Minnefords Yacht Y Series 12/1929 Age 04/1930 Age Allowance 0.487% Offset File US42203a.off - 05/05/2020 13:23:54 Measurement by - 24/09/2015		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	572.9			644.3		
Time on Time	1.0473			1.0476		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	668.6	520.2	467.6	866.6	649.5	562.5
Time on Time	1.0096	1.2977	1.4435	0.7789	1.0392	1.2001

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	975.2	822.1	748.9	706.5	680.4	663.9	647.3
52°	638.3	544.4	495.5	473.6	462.5	456.1	450.0
60°	605.1	516.1	473.8	456.0	447.1	442.0	436.2
75°	580.0	495.3	459.4	442.8	432.6	426.5	420.6
90°	582.2	492.6	452.1	434.5	422.9	414.3	404.6
110°	595.1	491.3	448.8	433.3	419.6	407.7	394.3
120°	606.4	499.1	451.2	430.3	417.8	409.9	386.3
135°	678.8	544.2	470.0	439.8	422.5	407.8	382.8
150°	802.8	642.7	536.5	473.0	443.6	426.6	398.7
Run VMG	927.1	742.2	619.5	544.6	501.8	470.8	429.5
Selected Courses							
Windward / Leeward	951.1	782.1	684.2	625.6	591.1	567.4	538.4
Circular Random	803.3	650.4	569.1	522.4	494.2	476.0	453.3
Coastal / Long Distance	948.7	733.2	612.5	541.0	503.6	476.4	434.1
Non Spinnaker	838.9	677.5	590.5	539.6	507.9	487.3	462.6

Certificate

Number **US6212**
ORC Ref **03410000IL1**
Issued On **21/05/2020**
VPP Ver. **2020 1.01**
Valid until **31/12/2020**

Crew Weight

Default 886kg
Maximum **870kg**
Minimum* **653kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **608.5 0.9860**
Non Spin OSN **596.6 1.0056**

Sails Limitations

Headsails 6	Spinnakers 4
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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°	41.6°	41.6°	41.6°	40.9°	40.5°	39.4°
Beat VMG	3.69	4.38	4.81	5.10	5.29	5.42	5.56
52°	5.64	6.61	7.27	7.60	7.78	7.89	8.00
60°	5.95	6.98	7.60	7.89	8.05	8.15	8.25
75°	6.21	7.27	7.84	8.13	8.32	8.44	8.56
90°	6.18	7.31	7.96	8.29	8.51	8.69	8.90
110°	6.05	7.33	8.02	8.31	8.58	8.83	9.13
120°	5.94	7.21	7.98	8.37	8.62	8.78	9.32
135°	5.30	6.62	7.66	8.19	8.52	8.83	9.40
150°	4.48	5.60	6.71	7.61	8.12	8.44	9.03
Run VMG	3.88	4.85	5.81	6.61	7.17	7.65	8.38
Gybe Angles	144.0°	147.0°	144.8°	152.0°	157.5°	167.0°	180.0°

Class Division Length

CDL = **10.633**

Storm Sails Areas

Heavy Weather Jib **41.01**
Storm Jib (JL=11.33) **15.19**
Storm Trysail **19.47**

Owner

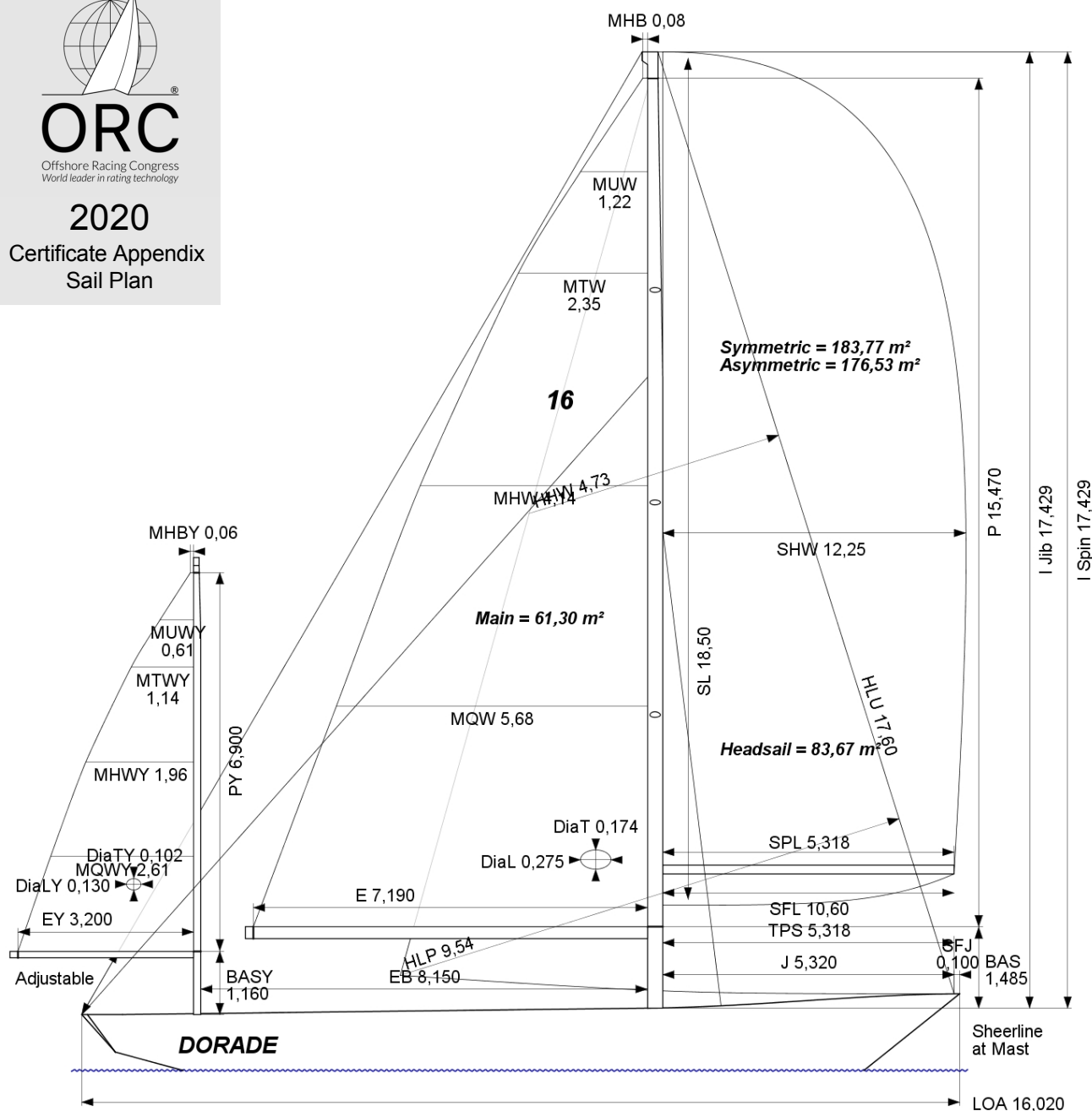


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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.08	1.22	2.35	4.14	5.68	61.14					* Copied from legacy

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
OUS121	0.08	1.19	2.35	4.73	7.13	9.54	17.60	179%	83.67		No					Unknow

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
OUS134641-	18.50	18.50	18.50	12.25	10.60	183.77				Unknown	2020 S2

ASYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A2	19.63	17.30	18.47	11.63	10.84	176.53	asym				Unknown	OUS121890-007
A3	17.53	15.99	16.76	7.67	9.57	112.44	asy81				Unknown	