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2020
International
Double Handed

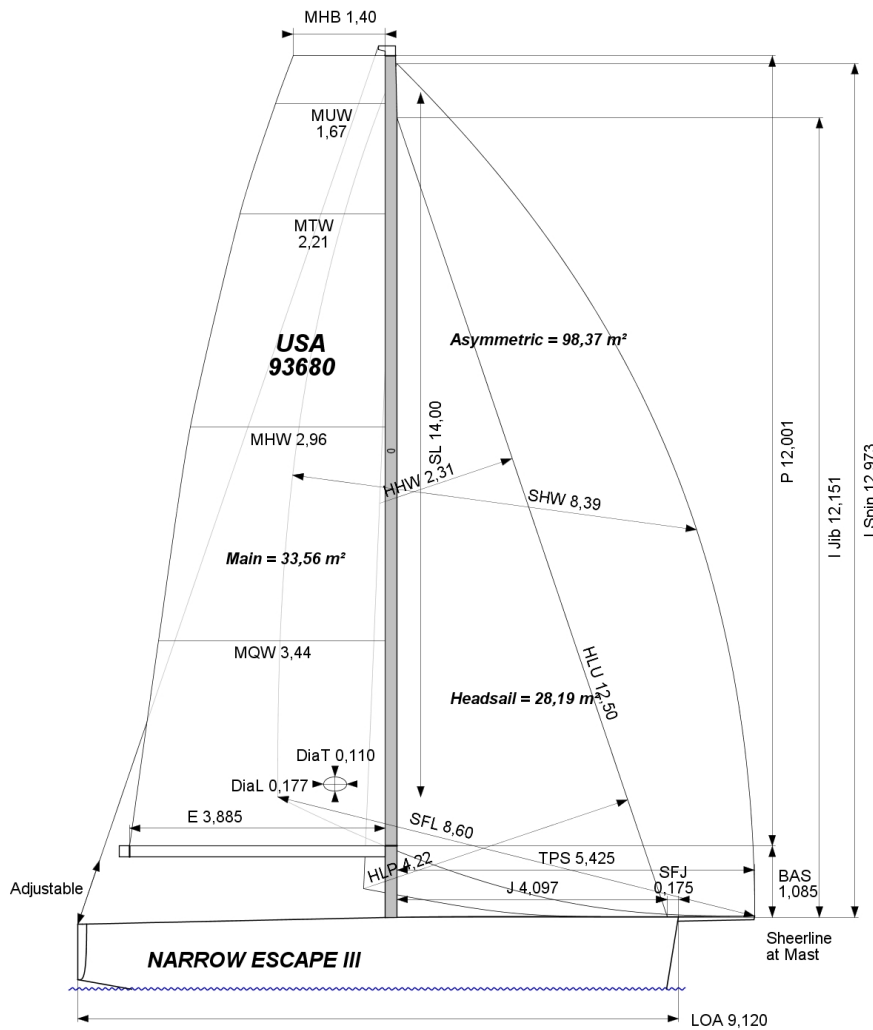
Rating Office

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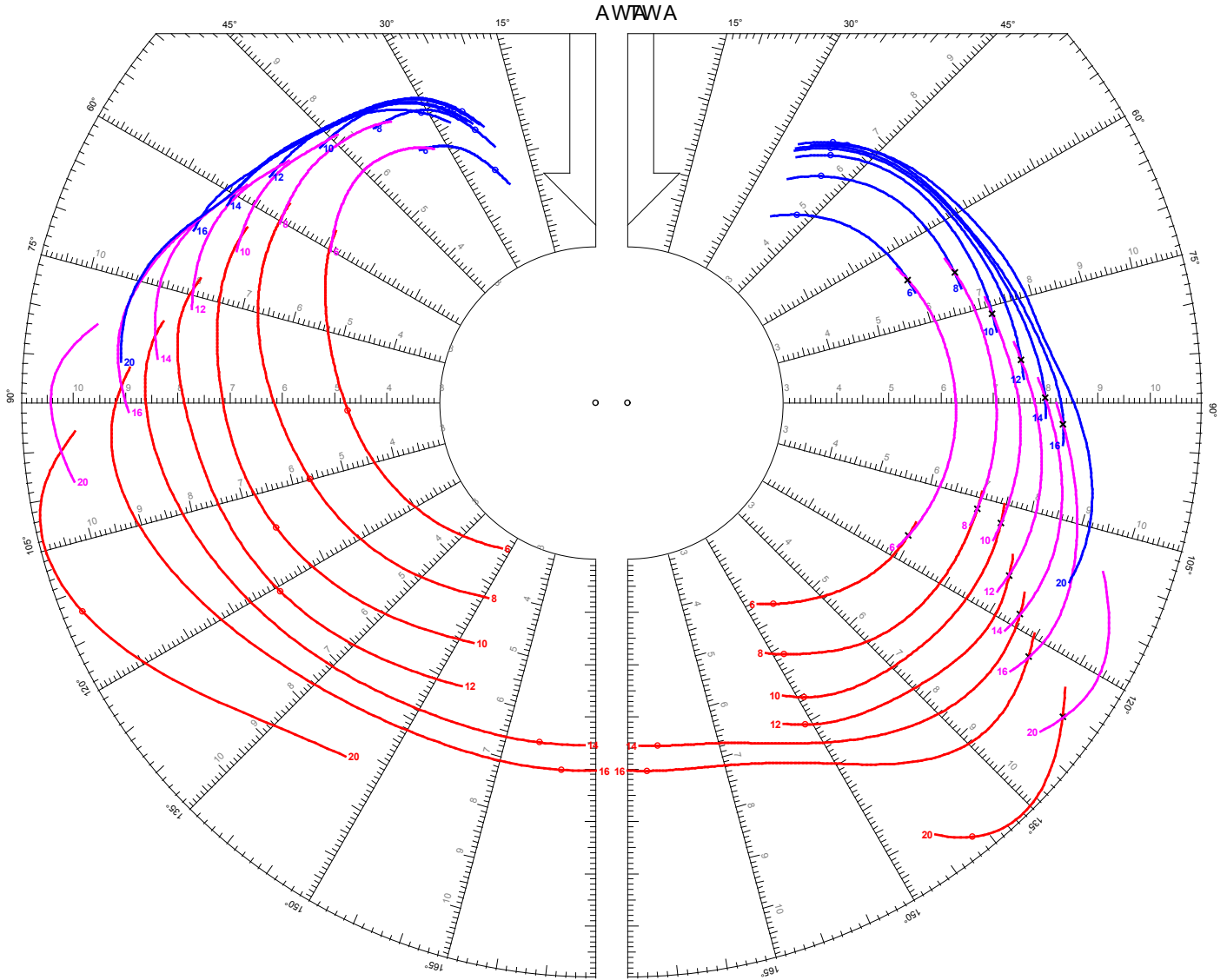


Certificate

Number **US6730**
Issued On **02/10/2020**
ORC Ref **03410000RDS**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



BOAT Name NARROW ESCAPE III Sail Nr USA 93680		GPH 611.9	HULL Data File US6730 DH LOA 9.120m Offset File dehler30OD.off MB 3.262m Displacement 2,834kg Draft 2.173m		Crew Weight Default 170kg Maximum 170kg Non Manual Pwr No
CLASS Class Dehler 30 OD Designer Judel/Vrolijk Builder Dehler Series 08/2019 Age Date 06/2020 Age Allowance 0.033%		IMS Division Cruiser/Racer Dynamic All. 0.000% Fiber Rigging No Construction Cored Crew Arm Ex Aramid Core No Carbon Rudder No Light Stanchions No		Sails Limitations Headsails 5 Spinnakers 4 Asymmetric on centerline Spinnaker configuration Symmetric: No Asymmetric: Yes 98.37 Flying H/S: No Spin. Pole: No	
COMMENTS Retractable prop, deck-step mast		IMSL 8.960m VCGD -0.282m Sink 15.49kg/mm RL 8.165m VCGM -0.164m WS 19.47m² LSM0 8.910m Displacement/Length ratio 4.0065		Water Ballast 0 Trim Tab No BLR Index 0.0000	
PROPELLER Type No Propeller		CENTERBOARD N/A		Stability (Measured) Limit Positive Stab.: 121.5° Stability Index: 115.8	
SCORING OPTIONS					
	Time on Distance	Time on Time		Owner	
Coastal or Long Distance	599.3	1.0012			
Circular Random	611.9	0.9806			
Predominantly Upwind	599.6	1.0006			
Predominantly Downwind	550.7	1.0895			



<p>Polar Plot for Boat</p> <p>Name NARROW ESCAPE III</p> <p>Sail Number USA 93680</p> <p>Class Dehler 30 OD</p> <p>Designer Judel/Vrolijk</p> <p>Builder Dehler</p> <p>Issued On 02/10/2020 - VPP 2020 1.02</p>
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2020

Double Handed Certificate Appendix

BOAT			
Name	NARROW ESCAPE III	Certificate Number	US6730
Sail Nr	USA 93680	Issued On	02/10/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	999.0	829.6	759.7	739.0	732.5	721.9	730.7
52°	660.5	561.6	527.6	518.4	514.7	510.9	505.9
60°	628.8	543.0	513.5	503.1	498.4	496.1	486.3
75°	591.1	523.2	501.2	481.5	470.9	465.0	455.6
90°	573.2	510.3	480.9	462.2	448.7	434.0	421.6
110°	592.1	515.7	478.6	446.0	416.5	396.2	370.9
120°	615.5	522.3	481.3	443.6	419.8	392.4	345.5
135°	687.6	557.8	503.7	466.0	428.4	390.6	330.6
150°	812.2	649.6	554.4	508.1	480.5	450.1	375.9
Run VMG	937.9	750.1	640.2	585.9	549.5	511.9	434.0
Selected Courses							
Windward / Leeward	968.4	789.9	699.9	662.4	641.0	616.9	582.4
Circular Random	825.2	673.7	594.8	550.1	522.1	502.4	473.4
Coastal / Long Distance	965.4	743.2	632.9	574.0	540.7	505.9	446.3
Non Spinnaker	897.1	724.1	631.8	578.5	545.5	523.5	495.0

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	42.0°	40.5°	39.4°	38.6°	38.6°	38.3°	40.5°
Beat VMG	3.60	4.34	4.74	4.87	4.91	4.99	4.93
52°	5.45	6.41	6.82	6.94	6.99	7.05	7.12
60°	5.73	6.63	7.01	7.16	7.22	7.26	7.40
75°	6.09	6.88	7.18	7.48	7.65	7.74	7.90
90°	6.28	7.05	7.49	7.79	8.02	8.29	8.54
110°	6.08	6.98	7.52	8.07	8.64	9.09	9.71
120°	5.85	6.89	7.48	8.12	8.58	9.17	10.42
135°	5.24	6.45	7.15	7.72	8.40	9.22	10.89
150°	4.43	5.54	6.49	7.08	7.49	8.00	9.58
Run VMG	3.84	4.80	5.62	6.14	6.55	7.03	8.29
Gybe Angles	144.0°	148.0°	149.0°	151.0°	175.0°	177.0°	141.5°