



ORC

Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **045/20**
Issued On **14/08/2020**
ORC Ref **02920000OHN**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 418kg
Maximum **400kg**
Minimum* **300kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	681.7	0.8802
Non Spin OSN	658.7	0.9109

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 49.71**
Flying H/S: **No**
Spin. Pole: **No**

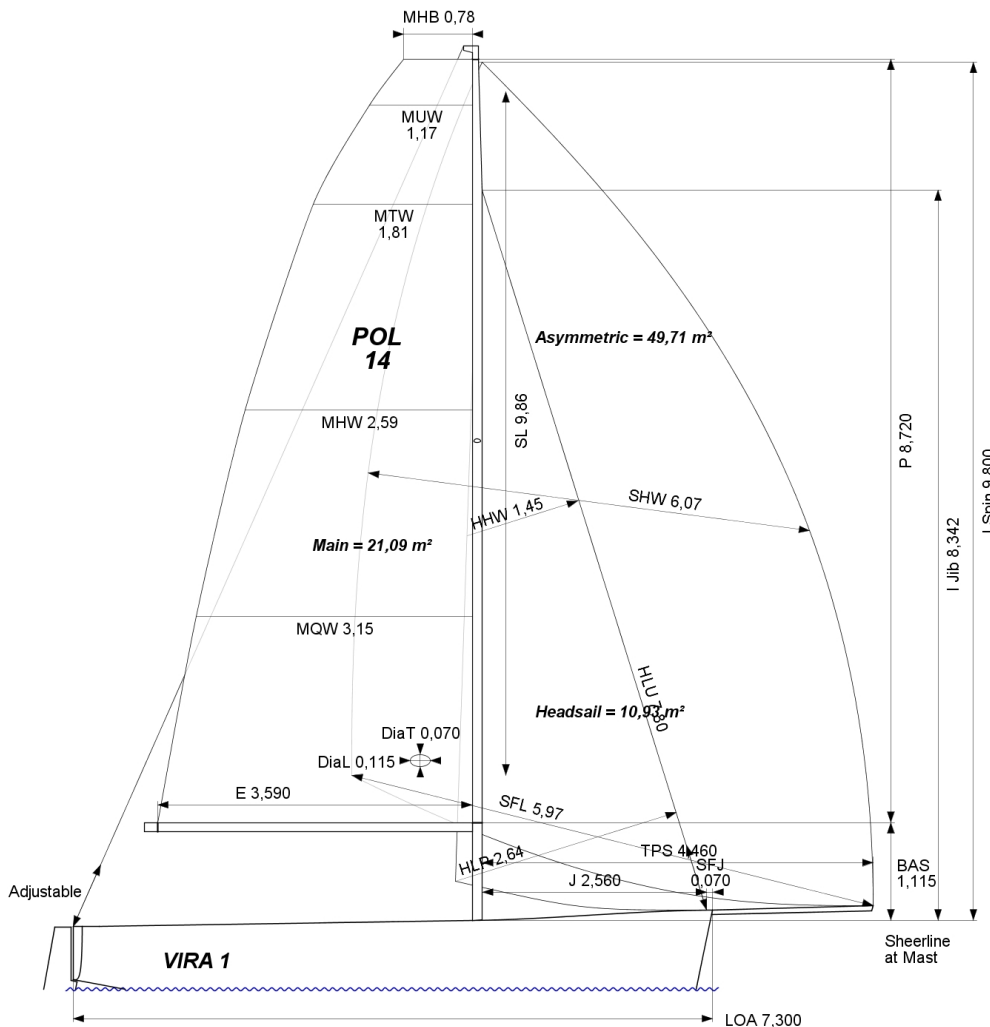
Class Division Length

CDL = 7.445

Stability (Estimated)

Limit Positive Stab.: **110.6°**
Stability Index: **102.3**

Owner



BOAT	GPH	HULL
Name VIRA 1 Sail Nr POL-14	635.3	Data File TUR1513 LOA 7.300m Offset File delphia24.off MB 2.446m Displacement 889kg Draft 1.572m
CLASS Class Delphia 24 (mod) Designer Andrzej Skrzat Builder Delphia Yachts Series 05/2002 Age Date 07/2013 Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.000% Plan Review Construction Light Fiber Rigging No Aramid Core No Crew Arm Ex 0.50 Carbon Rudder No Light Stanchions No
COMMENTS OUTBOARD ENGINE 6 HP		IMSL 7.076m VCGD -0.075m Sink 8.46kg/mm RL 7.814m VCGM -0.082m WS 10.42m² LSM0 7.045m Displacement/Length ratio 2.5425
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	615.6	699.4
Time on Time	0.9747	0.9652
Triple Number	Low Medium High	Low Medium High
Time on Distance	722.8 568.2 485.9	921.8 705.1 604.6
Time on Time	0.9339 1.1880 1.3893	0.7323 0.9573 1.1164

2020

ORC Club Certificate Appendix

BOAT	
Name VIRA 1	Certificate Number 045/20
Sail Nr POL-14	Issued On 14/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1081.2	885.1	789.0	755.4	748.0	747.2	748.4
52°	712.5	606.2	567.2	545.4	537.1	533.3	522.5
60°	674.4	590.6	552.4	521.1	509.6	503.9	489.0
75°	647.5	579.4	536.5	493.1	466.4	455.0	441.5
90°	631.7	556.4	519.8	488.7	445.4	413.0	391.0
110°	624.6	548.8	484.5	444.1	417.8	391.8	346.2
120°	638.1	559.4	497.2	433.0	391.4	366.1	315.0
135°	704.4	588.7	533.8	476.4	418.5	364.1	265.9
150°	830.2	659.8	581.0	538.0	486.9	432.6	308.5
Run VMG	958.6	761.9	670.5	621.2	562.2	499.5	356.2
Selected Courses							
Windward / Leeward	1019.9	823.5	729.8	688.3	655.1	623.3	552.3
Circular Random	870.5	706.7	618.1	564.0	526.5	497.1	448.5
Coastal / Long Distance	1013.8	777.1	662.6	592.5	543.7	500.2	420.5
Non Spinnaker	951.6	763.7	661.2	599.8	559.7	530.6	486.9

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	42.4°	41.3°	38.1°	36.0°	36.0°	36.0°	37.0°
Beat VMG	3.33	4.07	4.56	4.77	4.81	4.82	4.81
52°	5.05	5.94	6.35	6.60	6.70	6.75	6.89
60°	5.34	6.10	6.52	6.91	7.06	7.14	7.36
75°	5.56	6.21	6.71	7.30	7.72	7.91	8.15
90°	5.70	6.47	6.93	7.37	8.08	8.72	9.21
110°	5.76	6.56	7.43	8.11	8.62	9.19	10.40
120°	5.64	6.44	7.24	8.31	9.20	9.83	11.43
135°	5.11	6.12	6.74	7.56	8.60	9.89	13.54
150°	4.34	5.46	6.20	6.69	7.39	8.32	11.67
Run VMG	3.76	4.73	5.37	5.80	6.40	7.21	10.11
Gybe Angles	145.0°	148.5°	152.0°	148.5°	145.5°	144.0°	139.9°