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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **US6727**
Issued On **27/09/2020**
ORC Ref **03410000QVD**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default **1,413kg**
Maximum **1,413kg**
Minimum* **1,060kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	556.3	1.0786
Non Spin OSN	541.2	1.1086

Sails Limitations

Headsails **7** Spinnakers **5**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 292.14**
Flying H/S: **No**
Spin. Pole: **No**

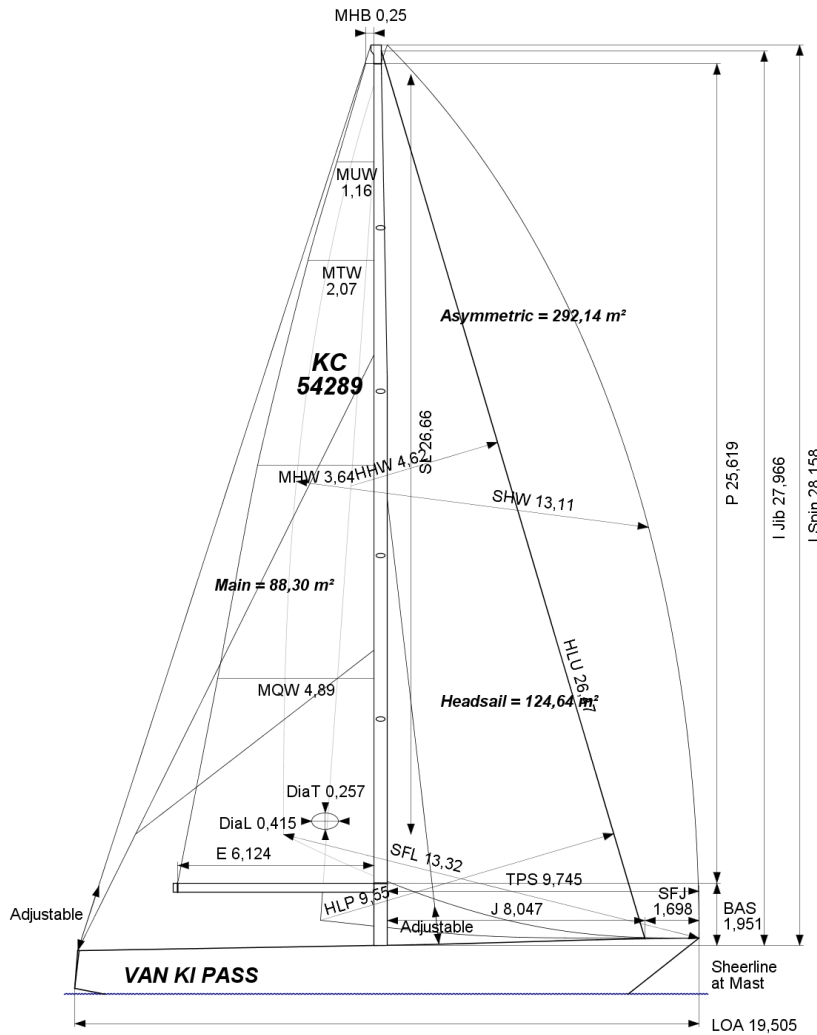
Class Division Length

CDL = 14.504

Stability (Measured)

Limit Positive Stab.: **105.9°**
Stability Index: **115.2**

Owner



BOAT	GPH	HULL
Name VAN KI PASS Sail Nr KC-54289	519.4	Data File US6727 LOA 19.505m Offset File US30372A.OFF MB 5.834m Displacement 26,397kg Draft 2.600m
CLASS Class none Designer CARPENTER Builder SUPERIOR Series 06/1993 Age Date 06/1993 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.250% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex 0.00 Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 16.236m VCGD 0.196m Sink 56.27kg/mm RL 12.741m VCGM 0.176m WS 75.91m² LSM0 16.556m Displacement/Length ratio 5.8169
PROPELLER Installation Shaft exposed PRD 0.503 Type Folding 2 blades PBW 0.132 PIPA 0.0047		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	503.9	570.5
Time on Time	1.1907	1.1832
Triple Number	Low Medium High	Low Medium High
Time on Distance	611.2 455.6 400.8	798.2 573.5 490.8
Time on Time	1.1044 1.4817 1.6842	0.8456 1.1769 1.3752

2020

ORC Club Certificate Appendix

BOAT			
Name	VAN KI PASS	Certificate Number	US6727
Sail Nr	KC-54289	Issued On	27/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	911.5	743.1	647.5	591.6	566.7	554.1	544.9
52°	585.1	485.3	427.4	400.7	389.9	385.1	381.1
60°	546.8	458.5	410.1	389.1	378.9	374.1	369.9
75°	517.2	438.8	399.1	380.6	369.0	360.4	351.8
90°	523.0	442.8	400.1	379.3	367.5	356.5	338.3
110°	546.3	444.9	393.0	370.6	354.9	342.3	327.0
120°	560.1	455.3	399.5	374.5	356.8	340.0	314.3
135°	624.3	501.0	429.5	390.9	370.5	353.6	321.0
150°	744.7	587.5	496.0	435.5	399.7	381.6	356.6
Run VMG	859.9	678.4	572.8	502.9	461.6	439.8	393.5
Selected Courses							
Windward / Leeward	885.7	710.7	610.1	547.2	514.1	496.9	469.2
Circular Random	728.6	582.6	503.0	456.2	427.6	409.3	386.8
Coastal / Long Distance	883.1	665.8	544.7	470.7	434.0	408.3	368.2
Non Spinnaker	794.0	629.7	538.2	482.9	447.7	424.4	396.2

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	45.0°	43.5°	42.8°	42.0°	40.9°	40.1°	40.1°
Beat VMG	3.95	4.84	5.56	6.09	6.35	6.50	6.61
52°	6.15	7.42	8.42	8.99	9.23	9.35	9.45
60°	6.58	7.85	8.78	9.25	9.50	9.62	9.73
75°	6.96	8.20	9.02	9.46	9.76	9.99	10.23
90°	6.88	8.13	9.00	9.49	9.80	10.10	10.64
110°	6.59	8.09	9.16	9.71	10.14	10.52	11.01
120°	6.43	7.91	9.01	9.61	10.09	10.59	11.45
135°	5.77	7.19	8.38	9.21	9.72	10.18	11.22
150°	4.83	6.13	7.26	8.27	9.01	9.43	10.10
Run VMG	4.19	5.31	6.29	7.16	7.80	8.19	9.15
Gybe Angles	142.5°	145.5°	148.0°	148.5°	149.9°	151.0°	176.5°