



BOAT		GPH		HULL	
Name	PEGASUS	552.3	Data File	EST599	LOA 15.00m
Sail Nr	EST 599		Offset File	F_50SK.OFF	MB 4.374m
			Displacement	14,745kg	Draft 2.425m
			IMS Division	Cruiser/Racer	Dynamic All. 0.154%
CLASS			Plan Review	Construction	Solid
Class	First 50 (SK)		Fiber Rigging	No	Aramid Core No
Designer	Philippe Briand		Crew Arm Ex	Carbon Rudder	No
Builder	Beneteau			Light Stanchions	
Series	09/2006		IMSL	13.669m	VCGD -0.100m Sink 34.17kg/mm
Age Date	06/2008		RL	10.719m	VCGM -0.125m WS 47.39m
Age Allowance	0.455%		LSM0	13.641m	Displacement/Length ratio 5.809%
COMMENTS			Water Ballast	Trim Tab	No
			BLR Index	0.0000	
PROPELLER			CENTERBOARD		
Installation	Strut	PRD			
Type	Folding 2 blades	PIPA	N/A		
		0.460			
		0.0040			

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	537.2			603.0		
Time on Time	1.1169			1.1195		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	639.9	487.3	432.9	832.1	607.2	521.9
Time on Time	1.0549	1.3853	1.5592	0.8112	1.1116	1.2933

BOAT			
Name	PEGASUS	Sail Nr	EST 599
File	EST599	Data in	meters/kilograms

RIG							
Forestay Tension	Aft					Spreaders	3
Inner Stay	None Fitted	Runners/Checkstays				0	
Carbon Mast	No	Jib Furler				No	
Fiber Rigging	No	Main Furler				No	
Non-Circular Rigging	No						
Articulated Bowsprit	No						
P	18.500	E	6.500	MDT1	0.144	MW	0.000
IG	19.000	J	5.360	MDL1	0.264	GO	0.000
ISP	20.270	SFJ	0.450	MDT2	0.000	BD	
BAS	1.770	SPL	6.300	MDL2	0.000	MWT	
FSD	-3.000	TPS	5.800	TL	-2.000	MCG	

INCLINING TEST AND FREEBOARDS				
Inclining Test Enter VCG directly				
Flotation date 07/07/2020		SG 1.0245		
VCGDe -0.100				
FFM	1.587	FF	1.587	SFFP 0.250
FAM	1.294	FA	1.294	SAFP 14.314
LCF from stem on CL / on sheer				8.117 / 8.381
Maximum beam station from stem				9.750
RM Measured				396.2kg·m
RM Default				387.6kg·m
Limit of positive stability / Stab.Index				126.0° / 135.3
Freeboard at mast at 5.810				1.397

MIZZEN RIG AND SAILS	
	N/A

PROPELLER					
Installation	Strut		PRD		0.460
Type	Folding 2 blades		PBW		
Twin Screw	No		PIPA		0.0040
ST1	0.050	ST3	0.180	ST5	0.310
ST2	0.180	ST4	0.112	EDL	3.740

COMMENTS	

MOVABLE BALLAST	
	N/A

CENTERBOARD	
	N/A



Certificate
Number 113/20
ORC Ref 03880000M62
Issued On 07/07/2020
VPP Ver. 2020 1.02
Valid until 31/12/2020



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.17	1.30	2.37	4.11	5.35	70.21										
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrtp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
4						7.90	18.60	147%	74.80		No				Unknown	G1
5						7.25	18.60	135%	68.64		No				Unknown	G2
6						5.80	18.70	108%	55.21		No				Unknown	G3
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	21.18	21.18	21.18	11.07	11.06	195.36				Unknown	S2					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
2	20.65	20.65	20.65	10.68	10.56	183.38	asym				Unknown	MH A1,5				
3	20.43	20.30	20.37	9.85	11.16	171.61	asym				Unknown	MH A3				

2020

ORC Club Certificate Appendix

BOAT			
Name	PEGASUS	Certificate Number	113/20
Sail Nr	EST 599	Issued On	07/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	954.8	782.9	689.8	645.0	623.0	611.9	604.7
52°	616.9	514.7	460.0	438.4	429.9	425.5	422.2
60°	578.1	487.2	443.1	425.3	417.4	413.2	409.5
75°	547.7	466.8	431.5	415.0	404.4	397.2	389.9
90°	550.5	467.4	429.9	411.8	399.0	388.0	369.9
110°	570.4	467.6	422.8	402.6	387.2	377.1	359.8
120°	584.8	478.1	427.6	404.4	386.1	369.0	344.5
135°	647.3	521.5	449.8	417.3	397.6	378.7	340.9
150°	765.8	611.8	514.2	452.1	420.1	401.1	365.4
Run VMG	884.2	706.5	593.8	519.7	474.0	438.7	396.9
Selected Courses							
Windward / Leeward	919.5	744.7	641.8	582.3	548.5	525.3	500.8
Circular Random	766.0	616.1	535.4	488.6	459.9	441.4	418.8
Coastal / Long Distance	916.0	698.0	575.5	504.9	468.5	441.0	399.2
Non Spinnaker	822.1	656.2	565.4	511.5	478.0	456.0	429.1

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	44.3°	42.8°	42.0°	41.3°	40.5°	39.8°	39.4°
Beat VMG	3.77	4.60	5.22	5.58	5.78	5.88	5.95
52°	5.84	6.99	7.83	8.21	8.37	8.46	8.53
60°	6.23	7.39	8.12	8.46	8.62	8.71	8.79
75°	6.57	7.71	8.34	8.67	8.90	9.06	9.23
90°	6.54	7.70	8.37	8.74	9.02	9.28	9.73
110°	6.31	7.70	8.52	8.94	9.30	9.55	10.01
120°	6.16	7.53	8.42	8.90	9.32	9.76	10.45
135°	5.56	6.90	8.00	8.63	9.06	9.51	10.56
150°	4.70	5.88	7.00	7.96	8.57	8.98	9.85
Run VMG	4.07	5.10	6.06	6.93	7.60	8.21	9.07
Gybe Angles	142.0°	147.0°	147.5°	153.0°	159.0°	180.0°	180.0°