

BOAT	GPH	HULL
Name PAMPEON Sail Nr ESP-828	749.9	Length Overall 7.606m Maximum Beam 2.896m Displacement 1,956kg Draft 1.547m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.202% Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 6.574m VCGD 0.288m Sink 9.63kg/mm RL 5.824m VCGM 0.241m WS 12.72m² LSM0 6.426m Displacement/Length ratio 7.3713
Class MANZANITA Designer R.HOLLAND Builder GROP Series 01/1977 Age 01/1998 Age Allowance 0.487% Offset File E290.OFF - 29/01/1997 19:58:00 Measurement by - 12/01/2019		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	730.0			810.9		
Time on Time	0.8219			0.8324		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	847.1	667.0	605.8	1088.4	811.7	722.1
Time on Time	0.7968	1.0120	1.1143	0.6202	0.8316	0.9348

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1229.3	1035.1	924.0	875.0	863.9	863.2	868.3
52°	809.7	691.1	637.1	616.4	609.1	606.3	604.7
60°	767.9	662.2	620.7	601.6	591.9	587.8	587.7
75°	737.3	643.3	608.0	587.0	571.1	559.7	552.5
90°	744.9	634.9	594.6	571.2	558.6	542.7	520.1
110°	748.1	633.4	591.5	561.8	534.1	512.9	493.1
120°	776.0	647.8	599.0	569.4	540.6	514.4	476.9
135°	862.3	709.1	625.8	589.8	561.2	532.4	483.3
150°	1007.7	803.5	682.0	618.8	586.9	559.8	508.2
Run VMG	1163.6	925.2	783.3	682.5	622.8	590.4	537.8
Selected Courses							
Windward / Leeward	1196.4	980.1	853.7	778.8	743.4	726.8	703.1
Circular Random	1020.1	828.9	728.1	670.9	637.1	615.8	589.8
Coastal / Long Distance	1193.2	921.5	773.6	690.5	649.9	617.5	561.6
Non Spinnaker	1061.3	857.9	749.6	687.7	650.7	627.4	599.9

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Issued On **27/02/2020**
VPP Ver. **2020 1.01**
Valid until **31/12/2020**

Crew Weight

Default **366kg**
Maximum **240kg**
Minimum* **155kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **772.8 0.7764**
Non Spin OSN **749.3 0.8007**

Sails Limitations

Headsails	Spinnakers
1	4

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°	41.3°	40.9°	39.4°	39.0°	39.4°	40.1°
Beat VMG	2.93	3.48	3.90	4.11	4.17	4.17	4.15
52°	4.45	5.21	5.65	5.84	5.91	5.94	5.95
60°	4.69	5.44	5.80	5.98	6.08	6.12	6.13
75°	4.88	5.60	5.92	6.13	6.30	6.43	6.52
90°	4.83	5.67	6.05	6.30	6.44	6.63	6.92
110°	4.81	5.68	6.09	6.41	6.74	7.02	7.30
120°	4.64	5.56	6.01	6.32	6.66	7.00	7.55
135°	4.17	5.08	5.75	6.10	6.42	6.76	7.45
150°	3.57	4.48	5.28	5.82	6.13	6.43	7.08
Run VMG	3.09	3.89	4.60	5.27	5.78	6.10	6.69
Gybe Angles	149.0°	153.5°	156.0°	174.0°	180.0°	180.0°	180.0°

Class Division Length

CDL = **6.196**

Storm Sails Areas

Heavy Weather Jib **9.62**
Storm Jib (JL=5.49) **3.57**
Storm Trysail **5.21**

Owner

BOAT							
Name PAMPEON				Sail Nr ESP-828			
File E828				Data in meters/kilograms			
RIG							
Forestay Tension	Aft			Spreaders		2	
Inner Stay	None Fitted			Runners/Checkstays		0	
Carbon Mast	No			Jib Furler		Yes	
Fiber Rigging	No			Main Furler		No	
Non-Circular Rigging	No						
Articulated Bowsprit	No						
P	9.570	E	3.105	MDT1	0.080	MW	0.095
IG	8.440	J	2.800	MDL1	0.120	GO	0.095
ISP	8.550	SFJ	0.095	MDT2	0.077	BD	0.810
BAS	1.220	SPL	2.830	MDL2	0.087	MWT	
FSD	0.350	TPS	0.000	TL	1.695	MCG	

INCLINING TEST AND FREEBOARDS				
Inclining Test Current Inclining				
Flotation date		12/01/2019	SG	1.0290
FFM	0.888	FF	0.885	SFFP 0.387
FAM	0.741	FA	0.744	SAFP 6.625
W1	23.4	PD1	479.3	WD 8.500
W2	23.4	PD2	481.5	GSA 1.0
W3	23.4	PD3	480.6	RSA 1.0
W4	23.4	PD4	485.6	PLM 9000.0
LCF from stem on CL / on sheer				4.063 / 4.307
Maximum beam station from stem				4.4833
RM Measured				32.5kg-m
RM Default				35.2kg-m
Limit of positive stability / Stab.Index				94.0° / 86.8
Freeboard at mast at 2.895				0.779

MIZZEN RIG AND SAILS	
	N/A

PROPELLER					
Installation Type	Strut Folding 2 blades		PRD		0.357
Twin Screw	No		PBW		
			PIPA		0.0031
ST1	0.042	ST3	0.182	ST5	0.261
ST2	0.181	ST4	0.113	EDL	1.290

COMMENTS	

MOVABLE BALLAST	
	N/A

CENTERBOARD	
	N/A



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SAILS (Maximum Areas)								
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula
	0.10	0.53	0.96	1.77	2.43	16.18	20.19	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$
Symmetric	SLU	SLE	SL	SHW	SFL			
	8.15	8.15	8.15	4.95	4.72	33.31		$SL \cdot (SFL + 4 \cdot SHW) / 6$
Asymmetric								
Not Available								

HEADSAILS

Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)

HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.05	0.39	0.81	1.66	2.54	3.52	7.88	13.40		No	12/01/2019	Pentex	

MEASUREMENT INVENTORY					
Measurer ESP 438 Date 12/01/2019 Comment					
Internal Ballast total = 0.0					
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>			<i>Model</i>
1	Engine	Yanmar 16 CV			
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>		

MEASUREMENT INVENTORY									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>	
1	Tank	Gasoil	Plástico rígido	25.0	5.35		15.0		
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>				
2	Battery		3.30	77 Ah					
1	Battery		3.30	75 Ah					

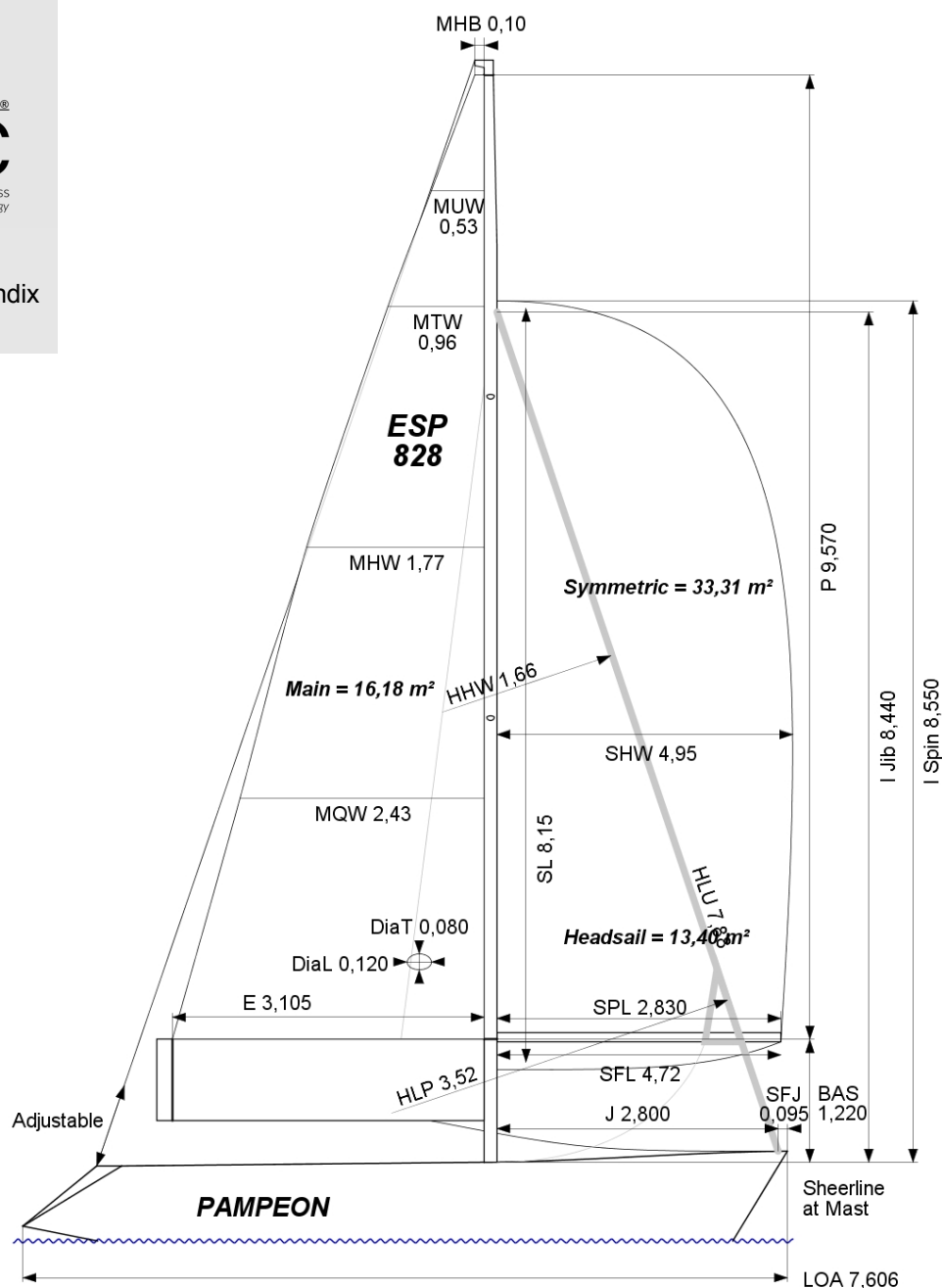


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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.10	0.53	0.96	1.77	2.43	16.18		12/01/2019		Pentex	

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.39	0.81	1.66	2.54	3.52	7.88	126%	13.40		No		12/01/2019		Pentex	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	8.15	8.15	8.15	4.95	4.72	33.31		12/01/2019		Nylon	

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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