

BOAT Name PETRUS-K Sail Nr ESP-25473	GPH 677,2	HULL Length Overall 7,512m Maximum Beam 2,554m Displacement 1.297kg Draft 1,570m IMS Reg. Division Sportboat Dynamic Allowance 0,000% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class Platu 25 Designer Bruce Farr Builder Beneteau Series 01/1995 Age 04/2006 Age Allowance 0,488% Offset File IPLATU25.OFF - 22/10/1998 8:32:00 Measurement by Tacha Montaner - 05/05/2014		IMSL 7,053m VCGD -0,014m Sink 7,79kg/mm RL 6,874m VCGM -0,037m WS 10,58m² LSM0 6,794m Displacement/Length ratio 4,1358



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2016
ORC International
Certificate

Rating Office
R.F.E.V.
Luis de salazar,9
28002 Madrid



SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	659,7			736,3		
Time On Time	0,9095			0,9167		
Performance Line	0,940	188,5		0,937	324,7	
Triple Number	Low 0,8887	Medium 1,1132	High 1,2552	Low 0,6915	Medium 0,9135	High 1,0337

TIME ALLOWANCES	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1118,7	929,8	838,2	805,4	790,7	778,5	778,0
52°	733,6	624,5	587,3	573,8	566,9	563,3	554,4
60°	690,8	602,8	572,1	555,4	546,4	541,3	528,5
75°	656,8	588,1	557,1	529,8	510,3	500,8	493,8
90°	660,3	583,0	555,8	526,1	496,0	471,8	451,3
110°	661,4	579,9	536,3	499,4	478,6	458,3	424,2
120°	680,6	588,3	545,7	500,4	459,0	436,5	397,0
135°	752,0	621,4	571,7	532,9	490,9	448,0	355,3
150°	894,4	712,9	612,8	567,9	531,4	492,9	409,9
Run VMG	1032,8	823,2	700,9	624,8	577,0	542,6	471,7

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VPP Ver. **2016 1.00**
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Crew Weight
Declared **380kg**
Default* **397kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	691,8	0,8672
Double H.OSN	677,8	0,8852
Non Spin GPH	711,7	0,8431
Non Spin OSN	691,6	0,8676
N/S Perf. Line	108,9	0,755

Selected Courses	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	1075,8	876,5	769,5	715,1	683,8	660,5	624,9
Circular Random	917,6	748,2	658,5	606,2	572,4	548,2	512,2
Ocean for PCS	921,6	743,1	647,0	589,2	550,0	519,7	471,2
Non Spinnaker	978,2	790,9	690,9	632,5	595,6	569,9	533,3

Sails Limitations

Headsails	Spinnakers
6	3

Velocity Prediction in Knots for True Wind Speeds	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42,6°	41,5°	39,5°	38,0°	37,6°	37,0°	37,8°
Beat VMG	3,22	3,87	4,29	4,47	4,55	4,62	4,63
52°	4,91	5,76	6,13	6,27	6,35	6,39	6,49
60°	5,21	5,97	6,29	6,48	6,59	6,65	6,81
75°	5,48	6,12	6,46	6,80	7,06	7,19	7,29
90°	5,45	6,17	6,48	6,84	7,26	7,63	7,98
110°	5,44	6,21	6,71	7,21	7,52	7,86	8,49
120°	5,29	6,12	6,60	7,19	7,84	8,25	9,07
135°	4,79	5,79	6,30	6,76	7,33	8,04	10,13
150°	4,03	5,05	5,87	6,34	6,77	7,30	8,78
Run VMG	3,49	4,37	5,14	5,76	6,24	6,64	7,63
Gybe Angles	146,0°	149,8°	155,5°	173,8°	180,0°	180,0°	180,0°

Class Division Length
CDL = **6,964**

Storm Sails Areas

Heavy Weather Jib	11,26
Storm Jib (JL=5,94)	4,17
Storm Trysail	5,97

Owner

BOAT	
Name PETRUS-K	Sail Nr ESP-25473
File E25473.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 25/08/2015	SG 1,0250	
FFM 0,905	FF 0,905	SFFP 0,120
FAM 0,675	FA 0,675	SAFP 7,313
W1 14,120	PD1 510,0	WD 8,290
W2 14,120	PD2 506,4	GSA 1,0
W3 14,120	PD3 510,2	RSA 1,0
W4 14,120	PD4 508,4	PLM 9000,0
LCF from stem on CL / on sheer		4,225 / 4,399
Maximum beam station from stem		4,700
RM Measured		18,1kg·m
RM Default		23,2kg·m
Limit of positive stability / Stab.Index		116,9° / 109,1
Freeboard at mast at 2,605		0,822

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 9,340	E 3,650	MDT1 0,081	MW 0,121
IG 9,100	J 2,605	MDL1 0,121	GO 0,130
ISP 9,660	SFJ 0,000	MDT2 0,048	BD 0,120
BAS 1,180	SPL 3,300	MDL2 0,071	MWT 42,00
FSP 0,000	TPS	TL 1,695	MCG 3,250



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2016 Measurements Datasheet

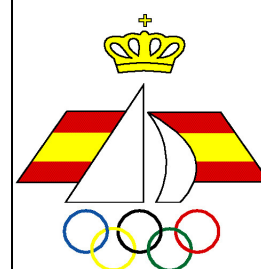
MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

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COMMENTS	

MOVEABLE BALLAST	
N/A	



CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0,145	0,77	1,37	2,36	3,09	20,37	20,89	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	43,86		SL · (SFL + 4·SHW) / 6	
	9,50	9,50	9,50	5,60	5,30				
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	Fly	Meas.Date	Material	Comment
0,07	0,46	0,89	1,47	2,07	2,63	9,23	13,20	Y		13/01/2016	Unknow	13011601

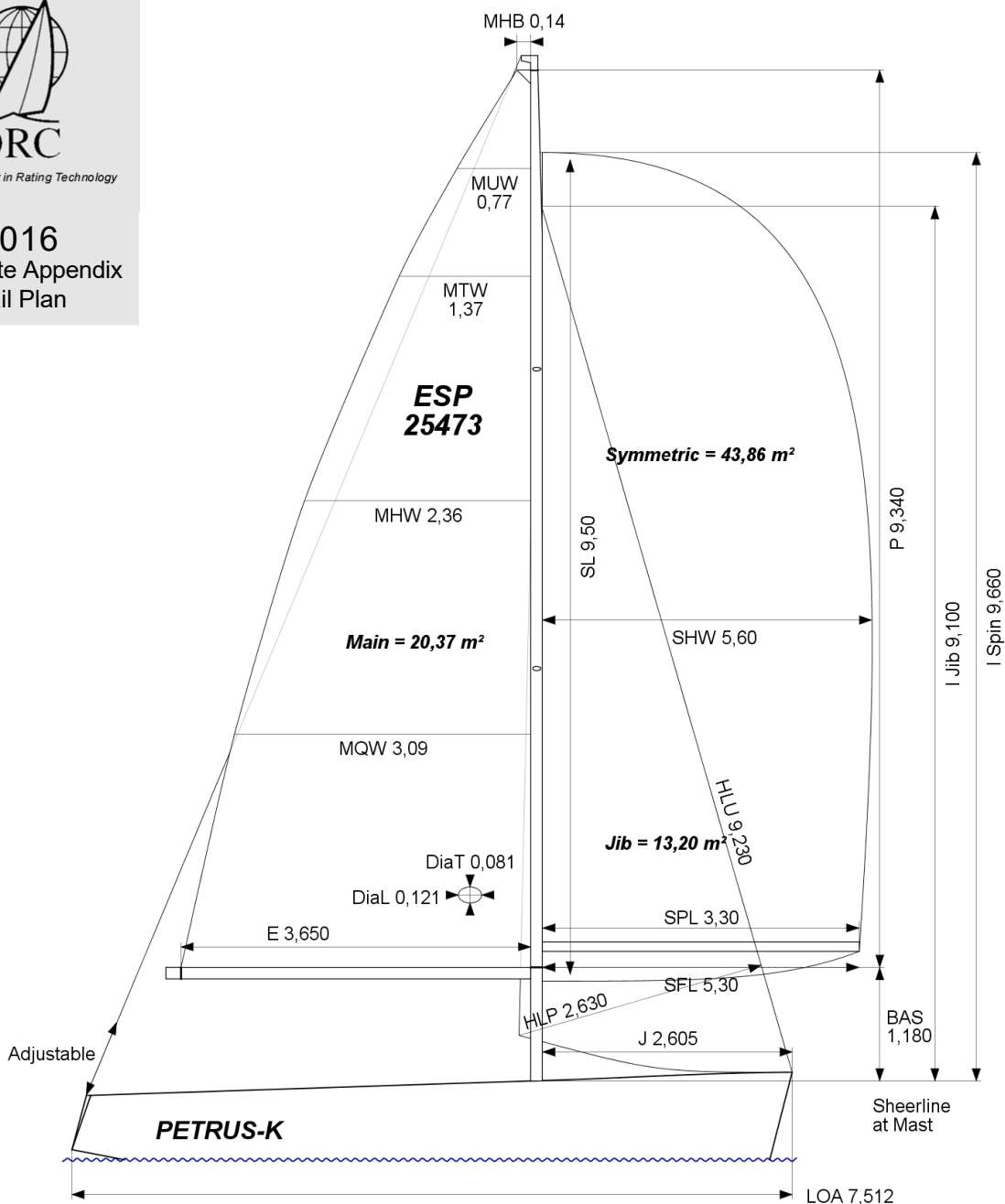
MEASUREMENT INVENTORY				
Measurer Tacha Montaner ESP-222				
Date 25/08/2015				
Comment Engine under stairs				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	mERCURY 2,5 H.P	A 4,23 from	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

MEASUREMENT INVENTORY				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
1	Ballast	60,0	4,20	0,00 4 Piezas plomo



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Sail Plan



SAILS INVENTORY																
MAINSAIL																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,145	0,77	1,37	2,36	3,09	20,37				Unknown						
HEADSAILS																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,07	0,46	0,89	1,47	2,07	2,63	9,23	101%	13,20	Y		E222	13/01/2016	GP SAILS	Unknown	13011601
SYMMETRIC SPINNAKERS																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	9,50	9,50	9,50	5,60	5,30	43,86				Unknown						
ASYMMETRIC SPINNAKERS																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				