

BOAT Name EASY Sail Nr IVB-744429	GPH 550.6	HULL Length Overall 12.160m Maximum Beam 4.500m Displacement 5,776kg Draft 3.043m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.158% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class POGO 12.50 Designer Finot/Conq Builder Pogo Structures Series 07/2010, CIN 157 Age 02/2012 Age Allowance 0.163% Offset File Pogo1250T.off - 30/07/2015 19:39:26 Measurement by Tacha Montaner - 24/07/2015		IMSL 12.228m VCGD -0.081m Sink 28.67kg/mm RL 11.469m VCGM -0.019m WS 35.35m²




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2015
ORC International
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Rating Office

Offshore
Racing
Congress



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	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	533.3			605.1		
Time On Time	1.1251			1.1156		
Performance Line	0.842	35.8		0.854	148.7	
Triple Number	Low 1.0328	Medium 1.3966	High 1.6392	Low 0.7856	Medium 1.1086	High 1.3132

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	988.4	796.1	682.2	623.5	597.4	582.3	574.0
52°	638.0	521.2	459.2	435.2	424.7	417.7	409.4
60°	596.0	490.7	444.4	420.4	406.7	398.0	388.4
75°	561.7	469.9	434.1	406.1	379.2	365.9	353.4
90°	555.2	456.8	420.8	403.1	375.5	352.0	321.2
110°	564.8	463.7	420.8	379.6	347.2	330.0	308.1
120°	587.7	472.4	427.4	393.6	357.4	321.5	294.1
135°	660.9	529.6	458.7	425.5	393.8	360.6	295.2
150°	801.2	629.8	529.0	468.6	434.4	406.8	345.0
Run VMG	925.1	727.2	610.8	539.6	490.8	457.9	401.7

Selected Courses							
Windward / Leeward	956.8	761.7	646.5	581.6	544.1	520.1	487.8
Circular Random	779.6	620.8	533.3	480.5	446.1	422.2	389.9
Ocean for PCS	831.7	648.4	544.2	478.5	433.2	399.0	346.9
Non Spinnaker	851.5	671.9	571.6	510.4	470.6	443.3	407.5

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	44.0°	42.6°	42.0°	39.3°	38.0°	36.8°	36.6°
Beat VMG	3.64	4.52	5.28	5.77	6.03	6.18	6.27
52°	5.64	6.91	7.84	8.27	8.48	8.62	8.79
60°	6.04	7.34	8.10	8.56	8.85	9.05	9.27
75°	6.41	7.66	8.29	8.86	9.49	9.84	10.19
90°	6.48	7.88	8.55	8.93	9.59	10.23	11.21
110°	6.37	7.76	8.56	9.48	10.37	10.91	11.68
120°	6.13	7.62	8.42	9.15	10.07	11.20	12.24
135°	5.45	6.80	7.85	8.46	9.14	9.98	12.20
150°	4.49	5.72	6.81	7.68	8.29	8.85	10.43
Run VMG	3.89	4.95	5.89	6.67	7.34	7.86	8.96
Gybe Angles	141.5°	144.0°	145.1°	152.1°	158.8°	165.8°	152.1°

Certificate

Number **744291**
ORC Ref **ESP00013219**
Issued On **30/07/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared **950kg**
Default* **950kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	556.8	1.0775
Double H.OSN	541.1	1.1089
Non Spin GPH	591.1	1.0151
Non Spin OSN	572.7	1.0476
N/S Perf. Line	11.5	0.742

Sails Limitations

Headsails	Spinnakers
7	4

Class Division Length

CDL = **11.850**

Storm Sails Areas

Heavy Weather Jib	31.18
Storm Jib (JL=9.88)	11.55
Storm Triesail	15.10

Owner

BOAT	
Name EASY	Sail Nr IVB-744429
File IVB744429.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 24/07/2015	SG 1.0250	
FFM 1.438	FF 1.442	SFFP 0.100
FAM 0.934	FA 0.935	SAFP 12.159
W1 161.20	PD1 521.1	WD 12.140
W2 161.20	PD2 521.3	GSA 1.0
W3 161.20	PD3 523.0	RSA 1.0
W4 161.20	PD4 523.1	PLM 9000.0
LCF from stem on CL / on sheer		7.378 / 7.672
Maximum beam station from stem		9.760
RM Measured		295.2kg·m
RM Default		225.3kg·m
Limit of positive stability / Stab.Index		109.4° / 106.7
Freeboard at mast at 5.450		1.178

RIG				
Forestay Tension Aft	Spreaders 2			
Inner Stay None Fitted	Runners 1			
Carbon Mast Yes	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 15.800	E 5.460	MDT1 0.140	MW 0.240	
IG 15.127	J 5.450	MDL1 0.240	GO 0.265	
ISP 16.987	SFJ 0.000	MDT2 0.112	BD 0.190	
BAS 1.187	SPL 	MDL2 0.210	MWT 200.00	
FSP 0.080	TPS 7.230	TL 1.240	MCG 6.300	



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2015 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.435	
Type Folding 2 blades	PBW	
Twin Screw	PIPA 0.0042	
ST1 0.065	ST3 0.180	ST5 0.325
ST2 0.180	ST4 0.110	EDL 2.950

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COMMENTS

MOVEABLE BALLAST
N/A

CENTERBOARD
N/A



Invalid for Racing

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SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	1.830	2.24	3.09	4.05	4.81	61.17 63.14 P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)
Symmetric Not Available						
Asymmetric	SLU	SLE	ASL	AMG	ASF	Area Formula
	18.62	16.50	17.56	9.08	10.50	137.03 ASL · (ASF + 4·AMG) / 6

HEADSAILS												
Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0.13	0.84	1.53	2.80	4.04	5.41	14.69	40.82	Y		28/07/2015	Unknow	28071501

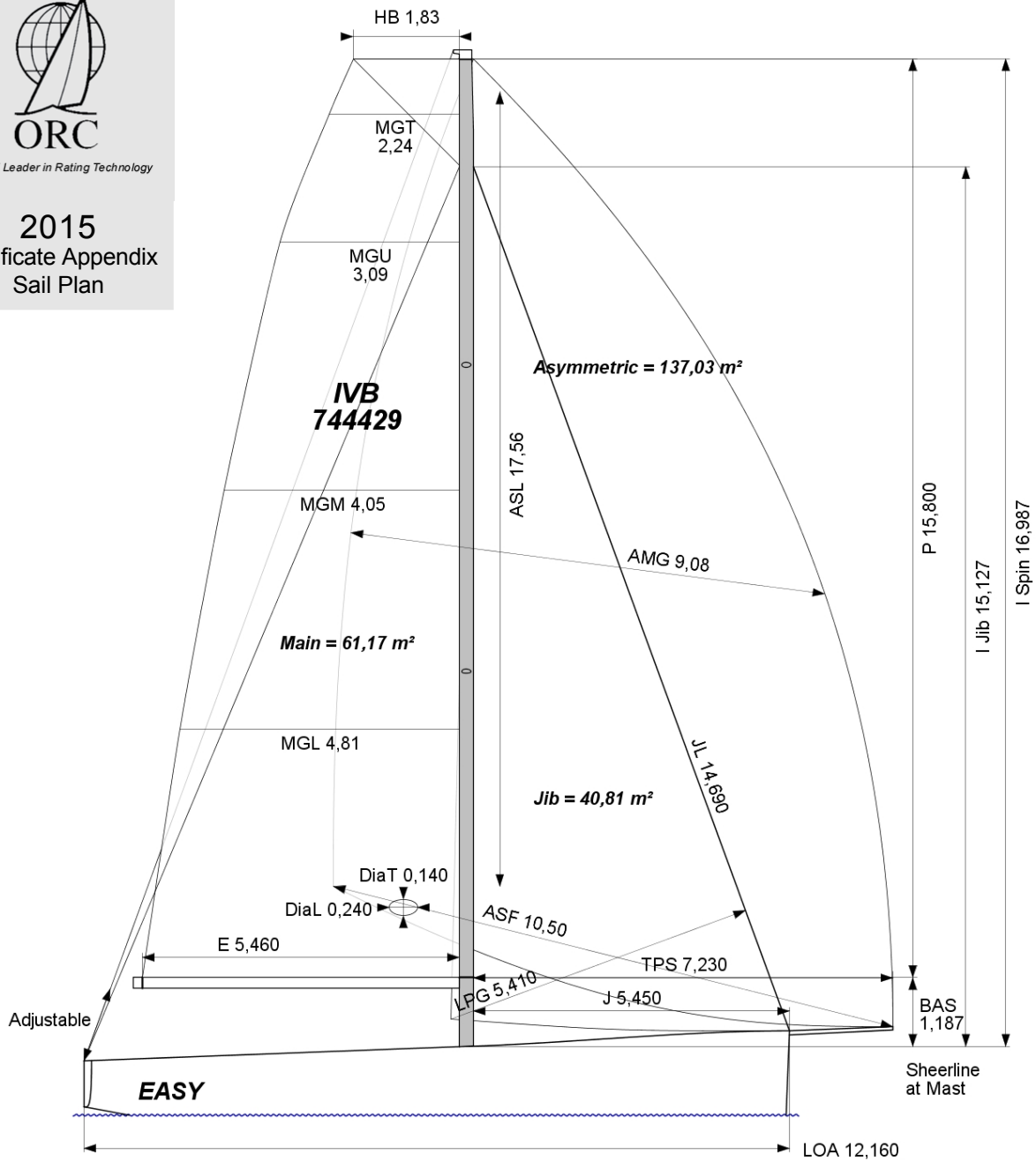
MEASUREMENT INVENTORY				
Measurer Tacha Montaner ESP-222				
Date 24/07/2015				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

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	FUEL	Plast	150.0	6.45	0.00	65-0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>			



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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	1.830	2.24	3.09	4.05	4.81	61.17	Tacha	28/07/2015		Unknown	28071502

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
L1	0.13	0.84	1.53	2.80	4.04	5.41	14.69	99%	40.82	Y		Tacha	28/07/2015		Unknown	28071501

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A1	18.62	16.50	17.56	9.08	10.50	137.03	asym	Tacha	28/07/2015		Unknown	28071504
A2	17.10	15.37	16.23	9.88	10.30	134.80	asym	Tacha	28/07/2015		Unknown	28071505
COD0	16.28	14.45	15.37	6.58	8.76	89.83	asym	Tacha	28/07/2015		Unknown	28071503