

BOAT Name DEEP BLUE Sail Nr ESP-6416	GPH 741.7	HULL Length Overall 6.750m Maximum Beam 2.734m Displacement 1,695kg Draft 1.525m Plan Review IMS Reg. Division Performance Dynamic Allowance 0.000% Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class YATLANT 24 Designer CELA Builder POLIMAR Series 04/1997 Age 07/2000 Age Allowance 0.487% Offset File E307.OFF - 26/04/1997 11:53:00 Measurement by - 08/05/2014		IMSLS 6.549m VCGD 0.151m Sink 10.05kg/mm RL 6.145m VCGM 0.141m WS 12.69m² LSM0 6.520m Displacement/Length ratio 6.1154



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SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	719.2			796.0		
Time on Time	0.8342			0.8480		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	840.0	659.8	594.6	1072.8	797.2	707.8
Time on Time	0.8036	1.0230	1.1353	0.6292	0.8467	0.9536

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1228.2	1029.8	914.7	851.8	836.7	835.6	849.9
52°	810.2	693.2	637.9	613.0	603.2	600.3	601.9
60°	771.0	665.8	623.3	600.4	586.9	582.1	582.0
75°	744.6	648.4	612.0	588.2	567.2	551.9	543.3
90°	747.3	637.2	595.6	570.4	557.6	537.1	507.4
110°	742.9	632.5	590.5	556.5	525.8	503.3	481.4
120°	767.3	644.8	597.5	563.7	531.0	501.9	458.8
135°	844.0	693.3	621.3	585.9	553.1	522.0	465.5
150°	979.1	782.7	669.6	615.0	583.1	552.5	496.9
Run VMG	1130.6	902.4	766.6	674.7	619.8	588.0	530.7

Certificate
Number **641601**
ORC Ref **03510000B6K**
Issued On **14/01/2020**
VPP Ver. **2020 1.00**
Valid until **31/12/2020**

Crew Weight
Default 374kg
Maximum **310kg**
Minimum* **225kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **779.3 0.7699**
Non Spin OSN **750.1 0.7999**

Selected Courses							
Windward / Leeward	1179.4	966.1	840.6	763.3	728.2	711.8	690.3
Circular Random	1011.1	821.1	720.2	662.4	627.4	605.1	578.1
Coastal / Long Distance	1174.5	909.4	764.7	680.7	639.4	606.2	549.5
Non Spinnaker	1077.8	868.2	755.5	690.4	651.2	626.5	597.3

Sails Limitations
Headsails **5** Spinnakers **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°	40.5°	40.1°	38.1°	37.5°	37.5°	38.8°
Beat VMG	2.93	3.50	3.94	4.23	4.30	4.31	4.24
52°	4.44	5.19	5.64	5.87	5.97	6.00	5.98
60°	4.67	5.41	5.78	6.00	6.13	6.18	6.19
75°	4.83	5.55	5.88	6.12	6.35	6.52	6.63
90°	4.82	5.65	6.04	6.31	6.46	6.70	7.09
110°	4.85	5.69	6.10	6.47	6.85	7.15	7.48
120°	4.69	5.58	6.02	6.39	6.78	7.17	7.85
135°	4.27	5.19	5.79	6.14	6.51	6.90	7.73
150°	3.68	4.60	5.38	5.85	6.17	6.52	7.25
Run VMG	3.18	3.99	4.70	5.34	5.81	6.12	6.78
Gybe Angles	148.5°	153.0°	156.0°	174.0°	180.0°	180.0°	180.0°

Class Division Length
CDL = **6.345**

Storm Sails Areas
Heavy Weather Jib **12.87**
Storm Jib (JL=6.35) **4.77**
Storm Trysail **5.30**

Owner

BOAT	
Name DEEP BLUE	Sail Nr ESP-6416
File E6416	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 1
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 8.960	E 3.380	MDT1 0.083	MW 0.120
IG 9.680	J 2.360	MDL1 0.120	GO 0.140
ISP 9.720	SFJ 0.040	MDT2 0.083	BD 0.095
BAS 1.030	SPL 2.600	MDL2 0.120	MWT 39.20
FSD 0.000	TPS	TL	MCG 3.560

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 08/05/2014		SG 1.0250	
FFM 1.010	FF 1.010	SFFP 0.190	
FAM 0.717	FA 0.717	SAFP 6.215	
W1 30.6	PD1 593.4	WD 9.230	
W2 30.6	PD2 593.4	GSA 1.0	
W3 30.6	PD3 599.0	RSA 1.0	
W4 30.6	PD4 596.6	PLM 9000.0	
LCF from stem on CL / on sheer		3.786 / 4.014	
Maximum beam station from stem		4.312	
RM Measured		37.3kg-m	
RM Default		35.7kg-m	
Limit of positive stability / Stab.Index		103.1° / 95.7	
Freeboard at mast at 2.400		0.890	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

Certificate	
Number 641601	
ORC Ref 03510000B6K	
Issued On 14/01/2020	
VPP Ver. 2020 1.00	
Valid until 31/12/2020	

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	
	0.15	0.71	1.28	2.19	2.88	18.17	18.61	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	9.28	9.28	9.28	4.84	4.68	37.18		SL · (SFL + 4·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
0.06	0.42	0.80	1.59	2.42	3.25	9.33	15.08		No			
0.06	0.42	0.78	1.57	2.40	3.22	9.37	14.99		No		Unknow	
0.06	0.38	0.72	1.46	2.27	3.09	9.35	14.11		No		Unknow	

MEASUREMENT INVENTORY				
Measurer ESP 699				
Date 08/05/2014				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
4	Anchor	0.0	2.36	ANGLA-Y-
Id	Item	Maker	Model	
1	Engine		FUERABOR	
Id	Item	Weight	Description	
4	Deck-Gear	0.0		

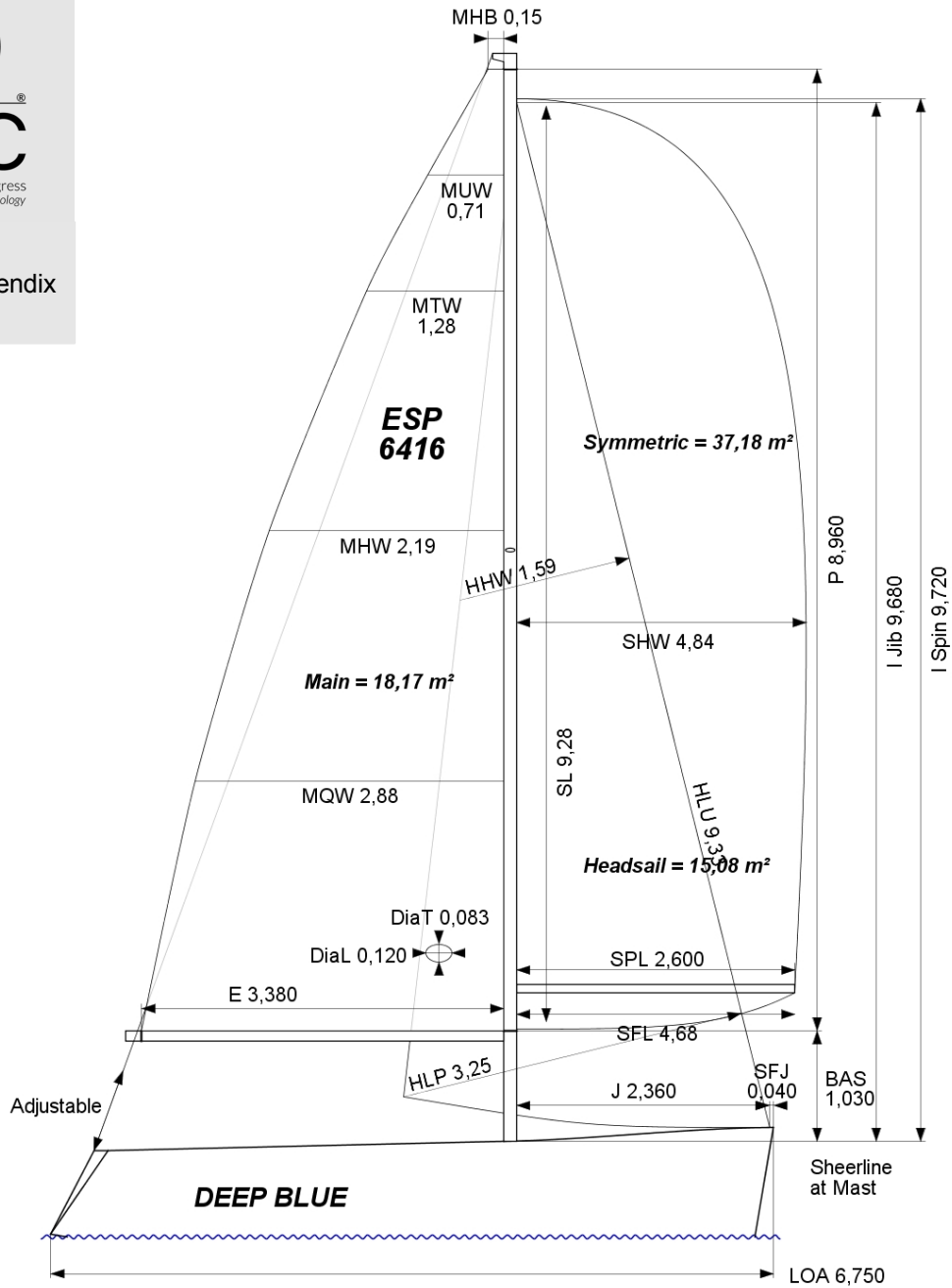
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
1	Tank	GASOLINA	FLEX-RIG	25.0	6.00		0-0	VACIO	
Id	Item	Weight	Distance	VCG Description					



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
001	0.15	0.71	1.28	2.19	2.88	18.18										
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
001	0.06	0.42	0.80	1.59	2.42	3.25	9.33	138%	15.08	No	No					Unknow
002	0.06	0.42	0.78	1.57	2.40	3.22	9.37	136%	14.99	No	No					Unknow
003	0.06	0.38	0.72	1.46	2.27	3.09	9.35	131%	14.11	No	No					Unknow
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
001	9.28	9.28	9.28	4.84	4.68	37.19				Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				