

BOAT Name BLUE SKY Sail Nr ITA-16606	GPH 577.4	HULL Length Overall 12.957m Maximum Beam 3.948m Displacement 9,204kg Draft 2.377m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.155% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class GRAND SOLEIL 43 BC Designer BOTIN/CARKEEK Builder DEL PARDO Series 01/2005 Age 07/2011 Age Allowance 0.455% Offset File i16606A.off - 31/03/2017 17:12:14 Measurement by - 12/05/2019		IMSL 11.911m VCGD 0.248m Sink 27.27kg/mm RL 10.061m VCGM 0.043m WS 35.18m² LSM0 11.825m Displacement/Length ratio 5.5664



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	561.6			627.8		
Time on Time	1.0685			1.0752		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	665.9	510.1	454.3	865.4	631.2	543.7
Time on Time	1.0136	1.3232	1.4859	0.7800	1.0694	1.2416

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	989.8	812.7	713.2	665.7	647.3	639.3	623.4
52°	643.6	539.6	483.7	462.5	455.1	451.5	445.9
60°	606.0	513.3	468.6	450.7	442.9	439.2	435.1
75°	577.0	494.2	458.2	440.5	429.0	421.4	415.0
90°	581.7	489.3	451.6	438.5	424.0	410.9	391.7
110°	582.2	483.0	444.1	423.3	407.7	396.9	379.0
120°	598.5	493.8	449.4	426.1	404.7	384.5	361.0
135°	668.1	541.9	472.6	441.4	419.8	397.8	354.8
150°	797.7	639.2	537.0	474.8	443.8	423.3	382.5
Run VMG	921.1	738.1	620.1	543.3	495.8	458.6	416.2

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VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **874kg**
Maximum **770kg**
Minimum* **578kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	584.2	1.0270
Double H.OSN	569.2	1.0541
Non Spin GPH	610.9	0.9822
Non Spin OSN	593.2	1.0115

Selected Courses							
Windward / Leeward	955.5	775.4	666.6	604.5	571.5	548.9	519.8
Circular Random	797.9	643.0	559.9	511.8	482.3	462.9	437.7
Coastal / Long Distance	952.0	727.1	599.5	527.8	491.7	463.6	419.6
Non Spinnaker	858.9	685.9	591.6	535.9	501.5	479.0	450.6

Sails Limitations

Headsails	Spinnakers
6	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	43.3°	41.6°	40.9°	39.9°	39.0°	38.6°	38.1°
Beat VMG	3.64	4.43	5.05	5.41	5.56	5.63	5.77
52°	5.59	6.67	7.44	7.78	7.91	7.97	8.07
60°	5.94	7.01	7.68	7.99	8.13	8.20	8.27
75°	6.24	7.28	7.86	8.17	8.39	8.54	8.67
90°	6.19	7.36	7.97	8.21	8.49	8.76	9.19
110°	6.18	7.45	8.11	8.51	8.83	9.07	9.50
120°	6.02	7.29	8.01	8.45	8.89	9.36	9.97
135°	5.39	6.64	7.62	8.16	8.57	9.05	10.15
150°	4.51	5.63	6.70	7.58	8.11	8.51	9.41
Run VMG	3.91	4.88	5.81	6.63	7.26	7.85	8.65
Gybe Angles	140.6°	147.8°	148.0°	154.5°	163.5°	180.0°	180.0°

Class Division Length
CDL = **10.987**

Storm Sails Areas
Heavy Weather Jib **38.49**
Storm Jib (JL=10.98) **14.26**
Storm Trysail **16.30**

Owner

BOAT		
Name BLUE SKY	Sail Nr ITA-16606	
File I16606	Data in meters/kilograms	

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 01/04/2017			SG 1.0220		
FFM 1.525	FF 1.526	SFFP 0.267			
FAM 1.202	FA 1.204	SAFP 12.253			
W1 120.0	PD1 484.7	WD 12.470			
W2 120.0	PD2 482.0	GSA 1.0			
W3 120.0	PD3 487.5	RSA 1.0			
W4 120.0	PD4 472.7	PLM 9000.0			
LCF from stem on CL / on sheer			7.173 / 7.430		
Maximum beam station from stem			8.390		
RM Measured			244.7kg-m		
RM Default			247.2kg-m		
Limit of positive stability / Stab.Index			118.0° / 123.3		
Freeboard at mast at 5.385			1.284		



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RIG					
Forestay Tension Aft	Spreaders 2				
Inner Stay None Fitted	Runners 0				
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 16.425	E 5.670	MDT1 0.130	MW 0.251		
IG 16.756	J 5.010	MDL1 0.253	GO 0.289		
ISP 16.880	SFJ 0.375	MDT2 0.110	BD 0.280		
BAS 1.803	SPL 5.000	MDL2 0.179	MWT 201.50		
FSP 0.078	TPS	TL 1.395	MCG 5.575		

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.482		
Type Folding 2 blades	PBW 0.132		
Twin Screw No	PIPA 0.0040		
ST1 0.065	ST3 0.180	ST5 0.286	
ST2 0.180	ST4 0.110	EDL 3.110	

COMMENTS	
VCG	

MOVABLE BALLAST	
N/A	



CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.190	1.22	2.19	3.75	4.83	56.32	57.53	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	17.96	17.96	17.96	9.24	8.87	137.18		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL				
	17.68	15.97	16.82	9.69	10.09	136.98		AS · (SFL + 4·SHW) / 6	

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
0.12	0.83	1.54	2.81	3.99	5.20	16.62	45.46	Y	N	12/05/2019	Unknow	REMEASURED

MEASUREMENT INVENTORY				
Measurer FIV 132				
Date 01/04/2017				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	VOLVO PENTA	55 HP	
Id	Item	Weight Description		

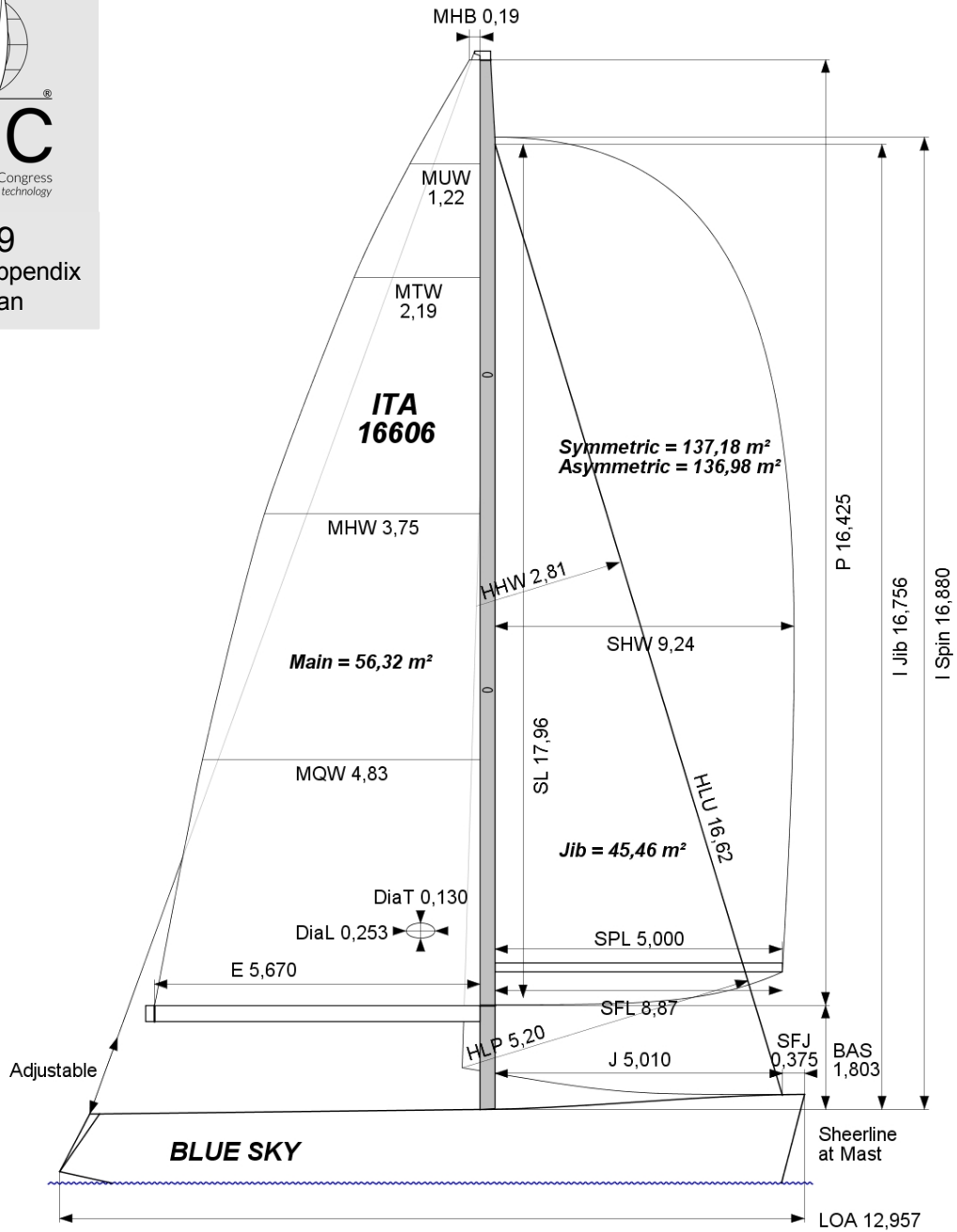
MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
A	Tank	FUEL	ST STEEL	230.0	10.75	0.15 40-0 L
B	Tank	WATER	PVC STIFF	200.0	10.65	0.15 0-0 STBD
C	Tank	WATER	PVC STIFF	200.0	10.65	0.15 0-0 PORT
Id	Item	Weight	Distance	VCG Description		
A	Battery	21.0	6.74	0.20 70Ah ENGINE STBD		
B	Battery	27.0	6.77	0.20 90Ah SERVICES STBD		
C	Battery	27.0	6.41	0.20 90Ah SERVICES STBD		
D	Battery	27.0	6.41	0.20 90Ah SERVICES STBD		
A	Misc	0.0	12.35	0.10 HEATING SYSTEM WEBASTO		
B	Misc	25.0	6.50	0.60 COOKER WITH BURNERS + OVEN		
C	Misc	20.0	9.80	0.15 WATER HEATER		



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SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
E	0.19	1.22	2.19	3.75	4.83	56.32		12/05/2019	QUANTUM	Unknown						
D	0.20	1.24	2.19	3.72	4.80	56.13		14/04/2015		Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
D	0.12	0.83	1.54	2.81	3.99	5.20	16.62	104%	45.46	Y	N		12/05/2019	QUANTUM	Unknow	REMEASURED
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
C	17.96	17.96	17.96	9.24	8.87	137.19		01/04/2017	QUANTUM	Nylon	S2					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
C	17.68	15.97	16.82	9.69	10.09	136.99	asym		16/06/2017		Unknown					
B	16.60	14.65	15.63	5.96	7.94	82.77	asym		28/06/2016		Unknown					