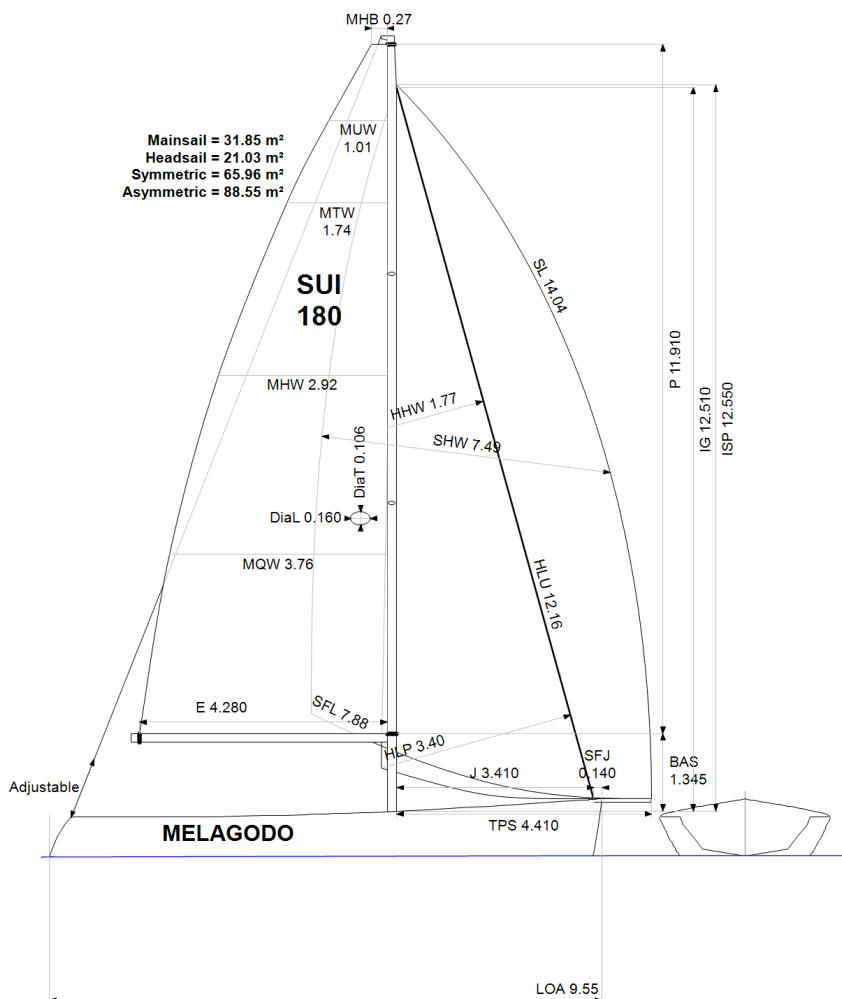


APH ToD: **550.8** CDL: **8.833**

APH ToT: **1.0893** CertNo: 26/1



BOAT

Class **Grand Surprise**
Designer **Joubert/Nivelt**
Builder **Archambault**
Age date **01/2007**
Series date **06/2000**
Offset file **GRANDSURPRISE31.OFF**
Data file **SUI180**

HULL

Length Overall **9.550 m**
Maximum Beam **2.964 m**
Draft **2.086 m**
Displacement **2,853 kg**
DLR **3.4438**
IMS Division **Performance**
Dynamic Allowance **0.000%**
Age Allowance **0.650%**
RS Assessment **-0.127%**

PROPELLER

Installation **Shaft exposed**
Type **Folding 2 blades**
Diameter **0.382m**

CREW

Maximum weight **480 kg (declared)**
Minimum weight **350 kg * when applied**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	31.85	32.70
Headsail Luffed	21.03	21.03
Headsail Flying		
Symmetric	65.96	65.96
Asymmetric	88.55	88.55

(All asymmetric spinnakers with SHW/SFL > 85%)

STORM SAIL AREAS Maximum (m²)

Trysail **8.93**
Storm Jib **7.88**
Heavy Weather Jib **21.26**

SAIL LIMITS

Headsails **5**
Spinnakers **4 * Asymmetric SHALL NOT be tacked on the pole**

STABILITY

Righting Moment **67.1 kg·m**
Stability Index **107.0**

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.

Rated boat velocities in knots

Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	45.3°	42.8°	40.7°	39.2°	38.3°	38.0°	37.8°	38.1°	40.4°
Beat VMG	2.42	3.45	4.20	4.69	4.92	5.02	5.09	5.13	5.03
52°	3.76	5.23	6.18	6.75	6.99	7.11	7.19	7.27	7.28
60°	4.02	5.50	6.42	6.94	7.21	7.35	7.45	7.57	7.61
75°	4.19	5.67	6.59	7.10	7.46	7.73	7.90	8.15	8.26
90°	4.11	5.74	6.76	7.20	7.53	7.94	8.29	8.75	9.03
110°	4.19	5.90	6.97	7.61	8.12	8.48	8.81	9.43	10.01
120°	4.06	5.76	6.90	7.57	8.22	8.82	9.29	10.15	11.02
135°	3.57	5.12	6.38	7.19	7.83	8.53	9.30	11.25	12.98
150°	2.95	4.30	5.45	6.44	7.16	7.69	8.26	9.88	12.70
Run VMG	2.56	3.73	4.72	5.57	6.22	6.72	7.22	8.55	11.00
Gybe Angles	139.3°	142.6°	146.2°	148.8°	152.4°	165.1°	167.8°	144.2°	144.5°

Time Allowances in secs/NM									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1489.1	1042.1	857.8	767.3	732.3	717.0	707.9	701.8	716.1
52°	956.3	688.4	582.5	533.5	514.8	506.6	500.9	494.9	494.5
60°	895.6	655.1	561.0	518.5	499.3	490.0	483.4	475.5	472.8
75°	859.2	634.7	546.4	507.3	482.7	465.7	455.5	441.9	436.0
90°	876.1	627.6	532.7	500.2	478.1	453.1	434.5	411.4	398.7
110°	858.6	610.6	516.3	473.4	443.4	424.7	408.6	381.6	359.5
120°	887.5	625.4	521.8	475.5	437.7	408.3	387.5	354.7	326.8
135°	1007.6	702.7	563.9	500.4	459.8	422.2	386.9	320.0	277.4
150°	1218.8	836.9	660.8	559.3	503.0	468.1	435.6	364.5	283.4
Run VMG	1407.4	966.4	763.0	645.8	578.7	535.5	498.6	420.9	327.3
Selected Courses									
Windward / Leeward	1448.2	1004.2	810.4	706.6	655.5	626.3	603.2	561.3	521.7
All purpose	1099.9	773.7	636.9	569.6	533.9	510.5	492.1	460.7	436.3

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	682.9	0.8786
All purpose	550.8	1.0893

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Grand Surprise	Length overall	9.550	VCGD	-0.093	Centerboard weight	N/A
Measurement	18/03/2023	Maximum beam	2.964	VCGM	-0.059	List angle	N/A
HIN		Draft	2.086	RM Rated (kg·m)	67.1	Canting keel angle	N/A
Plan review		Displacement	2,853	Limit of positive stability(°)	109.6		
Hull construction	Solid	Wetted area	19.17	Stability Index	107.0		
Carbon rudder	No	IMS L	9.350	BLR index	N/A		
Light stanchions	No	LSM0	9.392	Default crew weight	629		
Trim tab	No	Accomod. length	9.550	Declared crew weight	480		
		Sink (kg/mm)	14.88				

PROPELLER

Propeller Type	Folding 2 blades						
Installation	Shaft exposed	PRD	0.382	PSD	0.025	PSA	16.0°
Twin screw	No	PBW	0.110	PHD	0.069	ESL	0.880
Hydro generator	No	PIPA	0.0042	PHL	0.115	ST1	0.021
						ST2	0.080
						ST3	0.085
						ST4	0.050
						ST5	0.165

RIG

Backstay	Adjustable	P	11.910	E	4.280	PY	N/A	Flying Headsail
Forestay	Fixed	IG	12.510	J	3.410	MDT1Y	N/A	Foretriangles
Inner forestay	Not installed	ISP	12.550	BAS	1.345	MDL1Y	N/A	<i>Id ISP TPS</i>
Mast material	Aluminum	MDT1	0.106	FSD	0.033	MDT2Y	N/A	
Single headsail furler	No	MDL1	0.160	SFJ	0.140	MDL2Y	N/A	
Mainsail furler	No	MDT2	0.078	SPL	3.960	TLY	N/A	
Articulated bowsprit	No	MDL2	0.124	WPL		BASY	N/A	
Non-circular rigging	No	TL	0.800	TPS	4.410	EY	N/A	
Fiber rigging	No	MW	0.160	BD	0.150	BDY	N/A	
Base of mast	Fixed	GO	0.170	MWT	80.00	IY	N/A	
Running backstays	No			MCG	4.600	EB	N/A	
Checkstays	No							
Spreaders	2							
Rotating mast	No							

FLOTATION AND STABILITY

Calculation method	Poles inclining	SFFP	0.230	SAFP	9.178	W1	47.0	PD1	534.5	WD	9.700
Flotation Date	04/03/2016	FFM	0.970	FAM	0.688	W2	47.0	PD2	537.7	PLM	9000.00
Measurer	FIV-122	FF	0.970	FA	0.688	W3	47.0	PD3	536.8	GSA	1.0
		LCFcl	5.369	LCFsh	5.565	W4	47.0	PD4	537.6	RSA	1.0
		SG	1.0260	HBI	0.779					RM	66.9

INVENTORY

TANKS	<i>Id</i>	<i>Description</i>	<i>Sp.Wght</i>	<i>Capacity</i>	<i>Condition</i>	<i>LCG</i>	<i>VCG</i>	
	A	pvc		50	0	3.60	0.00	
	B	pvc		30	0	8.00	0.00	
				<i>Total deductible</i>				
OTHER ITEMS	<i>Id</i>	<i>Kind</i>	<i>Description</i>	<i>Weight</i>	<i>LCG</i>	<i>VCG</i>		
	A	Battery	2 x 50 Ah	0	5.00	0.00		
	A	Engine (IC)	Lombardini 11 hp					
				<i>Total deductible</i>			0	

MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
C	0.27	1.01	1.74	2.92	3.76	31.85	28/04/2022	
A	0.17	0.99	1.76	2.86	3.68	31.38	09/04/2018	
B	0.16	0.90	1.63	2.77	3.62	30.50	15/09/2016	

HEADSAIL

<i>Id</i>	<i>HHB</i>	<i>HUW</i>	<i>HTW</i>	<i>HHW</i>	<i>HQW</i>	<i>HLP</i>	<i>HLU</i>	<i>Btn</i>	<i>Flying FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
D	0.08	0.49	0.93	1.77	2.50	3.40	12.16	No	No	21.03	18/03/2023	
B	0.05	0.37	0.72	1.46	2.28	3.17	11.77	No	No	17.92	04/03/2016	

SYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
B	11.80	11.80	11.80	6.74	6.58	65.96	15/09/2016	

ASYMMETRIC SPINNAKER

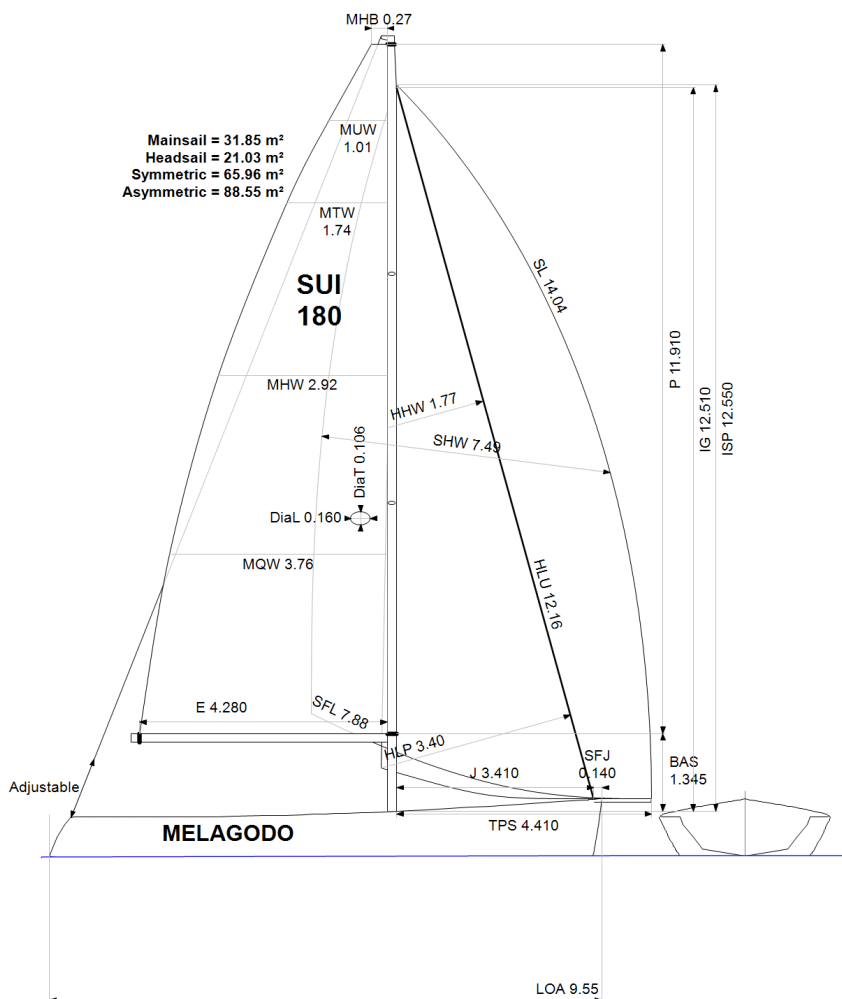
<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Ratio</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
A	14.88	13.20	14.04	7.49	7.88	95%	88.55	04/03/2016	

NON MANUAL POWER CONTROLS (NMP)

Sheets	No	Mainsail cunningham	No	Jib track	No	Spinnaker retriever	No
Boomvang	No	Headsail cunningham	No	Tack line	No		
Outhaul	No	Main traveller	No	Halyards	No		

APH ToD: **557.7** CDL: **8.436**

APH ToT: **1.0759** CertNo: 26/1



BOAT

Class	Grand Surprise
Designer	Joubert/Nivelt
Builder	Archambault
Age date	01/2007
Series date	06/2000
Offset file	GRANDSURPRISE31.OFF
Data file	SUI180

HULL

Length Overall	9.550 m
Maximum Beam	2.964 m
Draft	2.086 m
Displacement	2,853 kg
DLR	3.4438
IMS Division	Performance
Dynamic Allowance	0.000%
Age Allowance	0.650%
RS Assessment	-0.127%

PROPELLER

Installation	Shaft exposed
Type	Folding 2 blades
Diameter	0.382m

CREW

Maximum weight	180 kg (declared)
Minimum weight	120 kg * when applied
Crew Arm Extension	

SAIL AREAS (m²)

	Measured	Rated
Mainsail	31.85	32.70
Headsail Luffed	21.03	21.03
Headsail Flying		
Symmetric	65.96	65.96
Asymmetric	88.55	88.55

(All asymmetric spinnakers with SHW/SFL > 85%)

STORM SAIL AREAS Maximum (m²)

Trysail	8.93
Storm Jib	7.88
Heavy Weather Jib	21.26

SAIL LIMITS

Headsails	5
Spinnakers	4 * Asymmetric SHALL NOT be tacked on the pole

STABILITY

Righting Moment	67.1 kg·m
Stability Index	112.5

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.

Rated boat velocities in knots

Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	45.2°	42.5°	41.0°	39.8°	39.6°	39.6°	39.7°	41.4°	43.4°
Beat VMG	2.46	3.48	4.19	4.55	4.69	4.77	4.81	4.78	4.63
52°	3.83	5.25	6.21	6.65	6.81	6.91	6.97	7.03	6.93
60°	4.09	5.52	6.46	6.89	7.07	7.17	7.24	7.33	7.29
75°	4.27	5.71	6.64	7.12	7.39	7.56	7.70	7.88	7.96
90°	4.15	5.72	6.65	7.16	7.57	7.91	8.16	8.50	8.72
110°	4.25	5.92	6.98	7.53	7.90	8.23	8.53	9.07	9.68
120°	4.11	5.81	6.94	7.61	8.19	8.60	8.99	9.73	10.46
135°	3.63	5.21	6.48	7.28	7.95	8.67	9.45	11.00	12.23
150°	3.00	4.37	5.54	6.54	7.26	7.84	8.46	10.25	12.97
Run VMG	2.60	3.79	4.80	5.66	6.31	6.80	7.33	8.87	11.24
Gybe Angles	139.3°	142.1°	145.7°	149.2°	152.5°	165.1°	148.5°	144.9°	146.6°

Time Allowances in secs/NM									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1463.0	1034.5	858.4	791.4	767.3	755.5	748.4	753.0	777.1
52°	941.0	685.5	579.6	541.6	528.3	521.1	516.4	512.3	519.5
60°	881.2	652.7	557.1	522.1	509.5	502.2	497.1	491.3	494.0
75°	842.2	630.7	542.3	505.8	487.0	476.0	467.3	457.0	452.3
90°	866.9	629.2	541.4	502.7	475.5	455.1	441.0	423.5	412.8
110°	848.0	608.5	515.9	477.9	455.5	437.3	422.0	397.1	372.0
120°	874.9	619.9	518.9	473.3	439.4	418.4	400.5	370.0	344.1
135°	991.0	690.7	555.6	494.8	453.1	415.5	380.9	327.3	294.3
150°	1199.5	823.3	649.7	550.7	496.1	459.5	425.3	351.4	277.5
Run VMG	1385.1	950.6	750.2	635.9	570.8	529.2	491.1	405.7	320.4
Selected Courses									
Windward / Leeward	1424.1	992.6	804.3	713.6	669.1	642.3	619.7	579.4	548.8
All purpose	1082.5	766.9	633.7	573.7	542.4	521.4	504.2	476.5	457.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	692.9	0.8659
All purpose	557.7	1.0759

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Grand Surprise	Length overall	9.550	VCGD	-0.093	Centerboard weight	N/A
Measurement	18/03/2023	Maximum beam	2.964	VCGM	-0.059	List angle	N/A
HIN		Draft	2.086	RM Rated (kg·m)	67.1	Canting keel angle	N/A
Plan review		Displacement	2,853	Limit of positive stability(°)	115.1		
Hull construction	Solid	Wetted area	19.17	Stability Index	112.5		
Carbon rudder	No	IMS L	9.299	BLR index	N/A		
Light stanchions	No	LSM0	9.392	Default crew weight	170		
Trim tab	No	Accomod. length	9.550	Declared crew weight	180		
		Sink (kg/mm)	14.88				

PROPELLER

Propeller Type	Folding 2 blades						
Installation	Shaft exposed	PRD	0.382	PSD	0.025	PSA	16.0°
Twin screw	No	PBW	0.110	PHD	0.069	ESL	0.880
Hydro generator	No	PIPA	0.0042	PHL	0.115	ST1	0.021
						ST2	0.080
						ST3	0.085
						ST4	0.050
						ST5	0.165

RIG

Backstay	Adjustable	P	11.910	E	4.280	PY	N/A	Flying Headsail
Forestay	Fixed	IG	12.510	J	3.410	MDT1Y	N/A	Foretriangles
Inner forestay	Not installed	ISP	12.550	BAS	1.345	MDL1Y	N/A	<i>Id ISP TPS</i>
Mast material	Aluminum	MDT1	0.106	FSD	0.033	MDT2Y	N/A	
Single headsail furler	No	MDL1	0.160	SFJ	0.140	MDL2Y	N/A	
Mainsail furler	No	MDT2	0.078	SPL	3.960	TLY	N/A	
Articulated bowsprit	No	MDL2	0.124	WPL		BASY	N/A	
Non-circular rigging	No	TL	0.800	TPS	4.410	EY	N/A	
Fiber rigging	No	MW	0.160	BD	0.150	BDY	N/A	
Base of mast	Fixed	GO	0.170	MWT	80.00	IY	N/A	
Running backstays	No			MCG	4.600	EB	N/A	
Checkstays	No							
Spreaders	2							
Rotating mast	No							

FLOTATION AND STABILITY

Calculation method	Poles inclining	SFFP	0.230	SAFP	9.178	W1	47.0	PD1	534.5	WD	9.700
Flotation Date	04/03/2016	FFM	0.970	FAM	0.688	W2	47.0	PD2	537.7	PLM	9000.00
Measurer	FIV-122	FF	0.970	FA	0.688	W3	47.0	PD3	536.8	GSA	1.0
		LCFcl	5.369	LCFsh	5.565	W4	47.0	PD4	537.6	RSA	1.0
		SG	1.0260	HBI	0.779					RM	66.9

INVENTORY

TANKS	<i>Id</i>	<i>Description</i>	<i>Sp.Wght</i>	<i>Capacity</i>	<i>Condition</i>	<i>LCG</i>	<i>VCG</i>
	A	pvc		50	0	3.60	0.00
	B	pvc		30	0	8.00	0.00
<i>Total deductible</i>							
OTHER ITEMS	<i>Id</i>	<i>Kind</i>	<i>Description</i>	<i>Weight</i>	<i>LCG</i>	<i>VCG</i>	
	A	Battery	2 x 50 Ah	0	5.00	0.00	
	A	Engine (IC)	Lombardini 11 hp				
<i>Total deductible</i>						0	

MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
C	0.27	1.01	1.74	2.92	3.76	31.85	28/04/2022	
A	0.17	0.99	1.76	2.86	3.68	31.38	09/04/2018	
B	0.16	0.90	1.63	2.77	3.62	30.50	15/09/2016	

HEADSAIL

<i>Id</i>	<i>HHB</i>	<i>HUW</i>	<i>HTW</i>	<i>HHW</i>	<i>HQW</i>	<i>HLP</i>	<i>HLU</i>	<i>Btn</i>	<i>Flying FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
D	0.08	0.49	0.93	1.77	2.50	3.40	12.16	No	No	21.03	18/03/2023	
B	0.05	0.37	0.72	1.46	2.28	3.17	11.77	No	No	17.92	04/03/2016	

SYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
B	11.80	11.80	11.80	6.74	6.58	65.96	15/09/2016	

ASYMMETRIC SPINNAKER

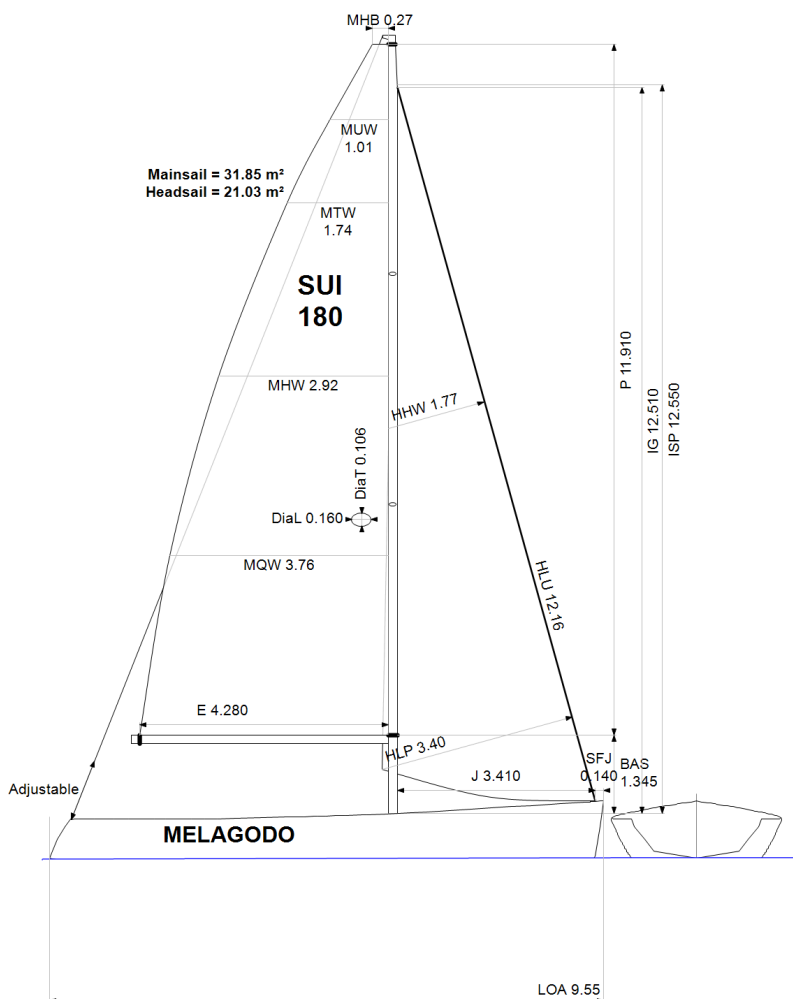
<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Ratio</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
A	14.88	13.20	14.04	7.49	7.88	95%	88.55	04/03/2016	

NON MANUAL POWER CONTROLS (NMP)

Sheets	No	Mainsail cunningham	No	Jib track	No	Spinnaker retriever	No
Boomvang	No	Headsail cunningham	No	Tack line	No		
Outhaul	No	Main traveller	No	Halyards	No		

APH ToD: **590.7** CDL: **8.646**

APH ToT: **1.0158** CertNo: 26/1



BOAT

Class	Grand Surprise
Designer	Joubert/Nivelt
Builder	Archambault
Age date	01/2007
Series date	06/2000
Offset file	GRANDSURPRISE31.OF
Data file	SUI180

HULL

Length Overall	9.550 m
Maximum Beam	2.964 m
Draft	2.086 m
Displacement	2.853 kg
DLR	3.4438
IMS Division	Performance
Dynamic Allowance	0.000%
Age Allowance	0.650%
RS Assessment	-0.127%

PROPELLER

Installation	Shaft exposed
Type	Folding 2 blades
Diameter	0.382m

CREW

Maximum weight	320 kg (declared)
Minimum weight	190 kg * when applied
Crew Arm Extension	

SAIL AREAS (m²)

	Measured	Rated
Mainsail	31.85	32.70
Headsail Luffed	21.03	21.03
Headsail Flying		

Symmetric
Asymmetric

STORM SAIL AREAS Maximum (m²)

Trysail	8.93
Storm Jib	7.88
Heavy Weather Jib	21.26

SAIL LIMITS

Headsails	5 * Zero set flying
Spinnakers	0 * No spinnaker pole aboard

STABILITY

Righting Moment	67.1 kg·m
Stability Index	109.8

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.

Rated boat velocities in knots

Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	45.5°	42.6°	40.8°	39.5°	38.9°	38.8°	38.8°	39.2°	41.8°
Beat VMG	2.45	3.47	4.21	4.64	4.81	4.90	4.95	4.97	4.84
52°	3.81	5.25	6.21	6.72	6.91	7.01	7.08	7.15	7.13
60°	4.07	5.51	6.45	6.94	7.15	7.26	7.35	7.45	7.47
75°	4.25	5.70	6.62	7.12	7.44	7.66	7.81	8.01	8.11
90°	4.11	5.61	6.58	7.14	7.57	7.95	8.25	8.64	8.88
110°	3.49	4.95	6.10	6.89	7.40	7.90	8.41	9.30	9.83
120°	3.16	4.62	5.79	6.68	7.23	7.72	8.25	9.41	10.68
135°	2.66	3.98	5.12	6.07	6.80	7.30	7.78	8.87	10.29
150°	2.21	3.36	4.39	5.27	6.07	6.72	7.18	8.04	9.09
Run VMG	1.92	2.91	3.80	4.66	5.48	6.22	6.83	7.74	8.71
Gybe Angles	142.9°	144.7°	146.0°	180.0°	180.0°	180.0°	180.0°	179.9°	179.5°

Time Allowances in secs/NM									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1471.6	1036.0	854.4	775.8	748.4	735.3	726.9	724.4	744.3
52°	944.2	686.1	579.5	535.8	520.9	513.4	508.2	503.6	504.9
60°	883.5	653.1	558.2	519.0	503.7	495.8	489.9	483.4	482.0
75°	846.7	631.3	544.0	505.5	483.7	470.1	461.0	449.4	443.7
90°	875.3	642.2	546.7	504.0	475.7	452.7	436.5	416.9	405.2
110°	1031.0	727.4	589.8	522.6	486.8	455.7	428.1	386.9	366.3
120°	1138.0	779.4	622.0	539.3	498.0	466.2	436.4	382.5	337.0
135°	1355.8	903.9	703.5	592.6	529.1	493.0	462.5	405.8	349.9
150°	1626.2	1072.3	820.4	682.8	592.6	535.6	501.3	447.6	396.2
Run VMG	1877.8	1238.2	947.3	772.0	657.2	579.0	527.4	465.3	413.2
Selected Courses									
Windward / Leeward	1674.7	1137.1	900.9	773.9	702.8	657.1	627.2	594.8	578.8
All purpose	1244.4	862.9	697.2	614.1	568.9	539.6	518.8	490.7	473.4

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	736.4	0.8147
All purpose	590.7	1.0158

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Grand Surprise	Length overall	9.550	VCGD	-0.093	Centerboard weight	N/A
Measurement	18/03/2023	Maximum beam	2.964	VCGM	-0.059	List angle	N/A
HIN		Draft	2.086	RM Rated (kg·m)	67.1	Canting keel angle	N/A
Plan review		Displacement	2,853	Limit of positive stability(°)	112.3		
Hull construction	Solid	Wetted area	19.17	Stability Index	109.8		
Carbon rudder	No	IMS L	9.329	BLR index	N/A		
Light stanchions	No	LSM0	9.392	Default crew weight	629		
Trim tab	No	Accomod. length	9.550	Declared crew weight	320		
		Sink (kg/mm)	14.88				

PROPELLER

Propeller Type	Folding 2 blades						
Installation	Shaft exposed	PRD	0.382	PSD	0.025	PSA	16.0°
Twin screw	No	PBW	0.110	PHD	0.069	ESL	0.880
Hydro generator	No	PIPA	0.0042	PHL	0.115	ST1	0.021
						ST2	0.080
						ST3	0.085
						ST4	0.050
						ST5	0.165

RIG

Backstay	Adjustable	P	11.910	E	4.280	PY	N/A	Flying Headsail
Forestay	Fixed	IG	12.510	J	3.410	MDT1Y	N/A	Foretriangles
Inner forestay	Not installed	ISP	12.550	BAS	1.345	MDL1Y	N/A	<i>Id ISP TPS</i>
Mast material	Aluminum	MDT1	0.106	FSD	0.033	MDT2Y	N/A	
Single headsail furler	No	MDL1	0.160	SFJ	0.140	MDL2Y	N/A	
Mainsail furler	No	MDT2	0.078	SPL		TLY	N/A	
Articulated bowsprit	No	MDL2	0.124	WPL		BASY	N/A	
Non-circular rigging	No	TL	0.800	TPS		EY	N/A	
Fiber rigging	No	MW	0.160	BD	0.150	BDY	N/A	
Base of mast	Fixed	GO	0.170	MWT	80.00	IY	N/A	
Running backstays	No			MCG	4.600	EB	N/A	
Checkstays	No							
Spreaders	2							
Rotating mast	No							

FLOTATION AND STABILITY

Calculation method	Poles inclining	SFFP	0.230	SAFP	9.178	W1	47.0	PD1	534.5	WD	9.700
Flotation Date	04/03/2016	FFM	0.970	FAM	0.688	W2	47.0	PD2	537.7	PLM	9000.00
Measurer	FIV-122	FF	0.970	FA	0.688	W3	47.0	PD3	536.8	GSA	1.0
		LCFcl	5.369	LCFsh	5.565	W4	47.0	PD4	537.6	RSA	1.0
		SG	1.0260	HBI	0.779					RM	66.9

INVENTORY

TANKS	<i>Id</i>	<i>Description</i>	<i>Sp.Wght</i>	<i>Capacity</i>	<i>Condition</i>	<i>LCG</i>	<i>VCG</i>
	A	pvc		50	0	3.60	0.00
	B	pvc		30	0	8.00	0.00
<i>Total deductible</i>							
OTHER ITEMS	<i>Id</i>	<i>Kind</i>	<i>Description</i>	<i>Weight</i>	<i>LCG</i>	<i>VCG</i>	
	A	Battery	2 x 50 Ah	0	5.00	0.00	
	A	Engine (IC)	Lombardini 11 hp				
<i>Total deductible</i>							0

MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
C	0.27	1.01	1.74	2.92	3.76	31.85	28/04/2022	
A	0.17	0.99	1.76	2.86	3.68	31.38	09/04/2018	
B	0.16	0.90	1.63	2.77	3.62	30.50	15/09/2016	

HEADSAIL

<i>Id</i>	<i>HHB</i>	<i>HUW</i>	<i>HTW</i>	<i>HHW</i>	<i>HQW</i>	<i>HLP</i>	<i>HLU</i>	<i>Btn</i>	<i>Flying FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
D	0.08	0.49	0.93	1.77	2.50	3.40	12.16	No	No	21.03	18/03/2023	
B	0.05	0.37	0.72	1.46	2.28	3.17	11.77	No	No	17.92	04/03/2016	

NON MANUAL POWER CONTROLS (NMP)

Sheets	No	Mainsail cunningham	No	Jib track	No	Spinnaker retriever	No
Boomvang	No	Headsail cunningham	No	Tack line	No		
Outhaul	No	Main traveller	No	Halyards	No		