

BOAT Name GODSPEED 52 Sail Nr AUT-9999	GPH 487.0	HULL Length Overall 15.789m Maximum Beam 4.438m Displacement 10,947kg Draft 3.287m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.032% Fwd Accommodation Yes Hull Construction Carbon Carbon Rudder Yes Crew Arm Extension
GENERAL Class FARR 52 Designer FARR YACHT DESIGN Builder DK YACHTS Series 01/2000, CIN MY-DKC52002G303 Age 05/2004 Age Allowance 0.487% Offset File US30987C.OFF - 06/02/2003 09:07:00 Measurement by KALATZIS-SIRONI - 02/09/2018		IMSL 14.626m VCGD -0.375m Sink 34.42kg/mm RL 14.302m VCGM -0.513m WS 45.30m² LSM0 14.418m Displacement/Length ratio 3.6524



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SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	472.3			530.8		
Time on Time	1.2703			1.2717		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	557.2	431.7	381.1	720.2	532.3	462.6
Time on Time	1.2114	1.5637	1.7711	0.9373	1.2682	1.4592

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	821.4	665.5	588.0	558.3	543.5	531.8	516.3
52°	540.0	444.7	410.6	398.9	392.7	388.9	378.5
60°	510.2	427.3	400.2	387.5	380.4	375.6	363.9
75°	488.1	416.7	391.6	374.1	360.2	352.2	344.4
90°	495.9	420.0	393.5	373.2	353.3	337.3	319.1
110°	489.0	410.6	383.1	366.9	351.9	337.6	310.5
120°	506.6	416.0	383.0	357.1	340.2	325.1	297.5
135°	562.8	449.9	401.2	373.3	344.3	316.1	271.8
150°	673.1	534.0	451.6	404.1	380.8	357.5	303.6
Run VMG	777.2	616.6	521.5	467.6	439.9	412.8	350.6

Certificate

Number **I08/18**
ORC Ref **AUT00002379**
Issued On **11/09/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **1,160kg**
Maximum **1,000kg**
Minimum* **750kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	527.1	1.1383
Non Spin OSN	513.7	1.1681

Selected Courses							
Windward / Leeward	799.3	641.0	554.7	513.0	491.7	472.3	433.4
Circular Random	671.6	541.6	472.4	432.3	406.9	388.5	360.3
Coastal / Long Distance	797.1	602.7	502.2	447.3	418.2	392.0	346.2
Non Spinnaker	744.3	593.3	510.6	460.9	428.9	406.5	376.6

Sails Limitations

Headsails	Spinnakers
7	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	42.4°	41.1°	39.1°	37.3°	36.7°	35.9°	35.1°
Beat VMG	4.38	5.41	6.12	6.45	6.62	6.77	6.97
52°	6.67	8.10	8.77	9.03	9.17	9.26	9.51
60°	7.06	8.43	9.00	9.29	9.46	9.59	9.89
75°	7.38	8.64	9.19	9.62	9.99	10.22	10.45
90°	7.26	8.57	9.15	9.65	10.19	10.67	11.28
110°	7.36	8.77	9.40	9.81	10.23	10.66	11.60
120°	7.11	8.65	9.40	10.08	10.58	11.07	12.10
135°	6.40	8.00	8.97	9.64	10.46	11.39	13.25
150°	5.35	6.74	7.97	8.91	9.45	10.07	11.86
Run VMG	4.63	5.84	6.90	7.70	8.18	8.72	10.27
Gybe Angles	142.0°	143.5°	147.3°	152.3°	151.9°	148.6°	144.5°

Class Division Length

CDL = **14.465**

Storm Sails Areas

Heavy Weather Jib **58.09**
Storm Jib (JL=13.48) **21.51**
Storm Trysail **28.19**

Owner

BOAT	
Name GODSPEED 52	Sail Nr AUT-9999
File AUT9999	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 11/06/2009	SG 1.0260		
FFM 1.425	FF 1.428	SFFP 0.823	
FAM 1.073	FA 1.075	SAFP 15.469	
W1 156.0	PD1 474.0	WD 17.050	
W2 156.0	PD2 476.4	GSA 1.0	
W3 156.0	PD3 481.2	RSA 1.0	
W4 156.0	PD4 480.0	PLM 9000.0	
LCF from stem on CL / on sheer		8.867 / 9.127	
Maximum beam station from stem		10.055	
RM Measured		438.3kg-m	
RM Default		388.1kg-m	
Limit of positive stability / Stab.Index		131.9° / 136.4	
Freeboard at mast at 6.100		1.256	



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IMS Measurement Certificate

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 Yes	Main Furler No			
Lenticular Rigging No	Without Backstay No			
Articulated Bowsprit No				
P 21.650	E 7.440	MDT1 0.160	MW 0.320	
IG 20.573	J 6.100	MDL1 0.320	GO 0.370	
ISP 23.274	SFJ 0.000	MDT2 0.140	BD 0.285	
BAS 2.023	SPL 0.000	MDL2 0.210	MWT 	
FSP 0.090	TPS 8.055	TL 2.845	MCG 	

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.450	
Type Folding 3 or 4 blades	PBW	
Twin Screw No	PIPA 0.0039	
ST1 0.046	ST3 0.176	ST5 0.240
ST2 0.176	ST4 0.112	EDL 2.110

COMMENTS	
EX BRAVE GRE-1065	

MOVABLE BALLAST	
N/A	



Invalid for Racing

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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.310	1.58	2.75	4.71	6.22	95.15	96.91	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	Area	Formula		
	25.20	22.40	23.80	12.24	14.02	249.82	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
0.09					5.86	17.07	50.71			02/09/2018	Kevlar	HEAVY WEATHER EYLETTS
0.09					4.39	19.36	43.28			02/09/2018	Dacron	SMALL JIB

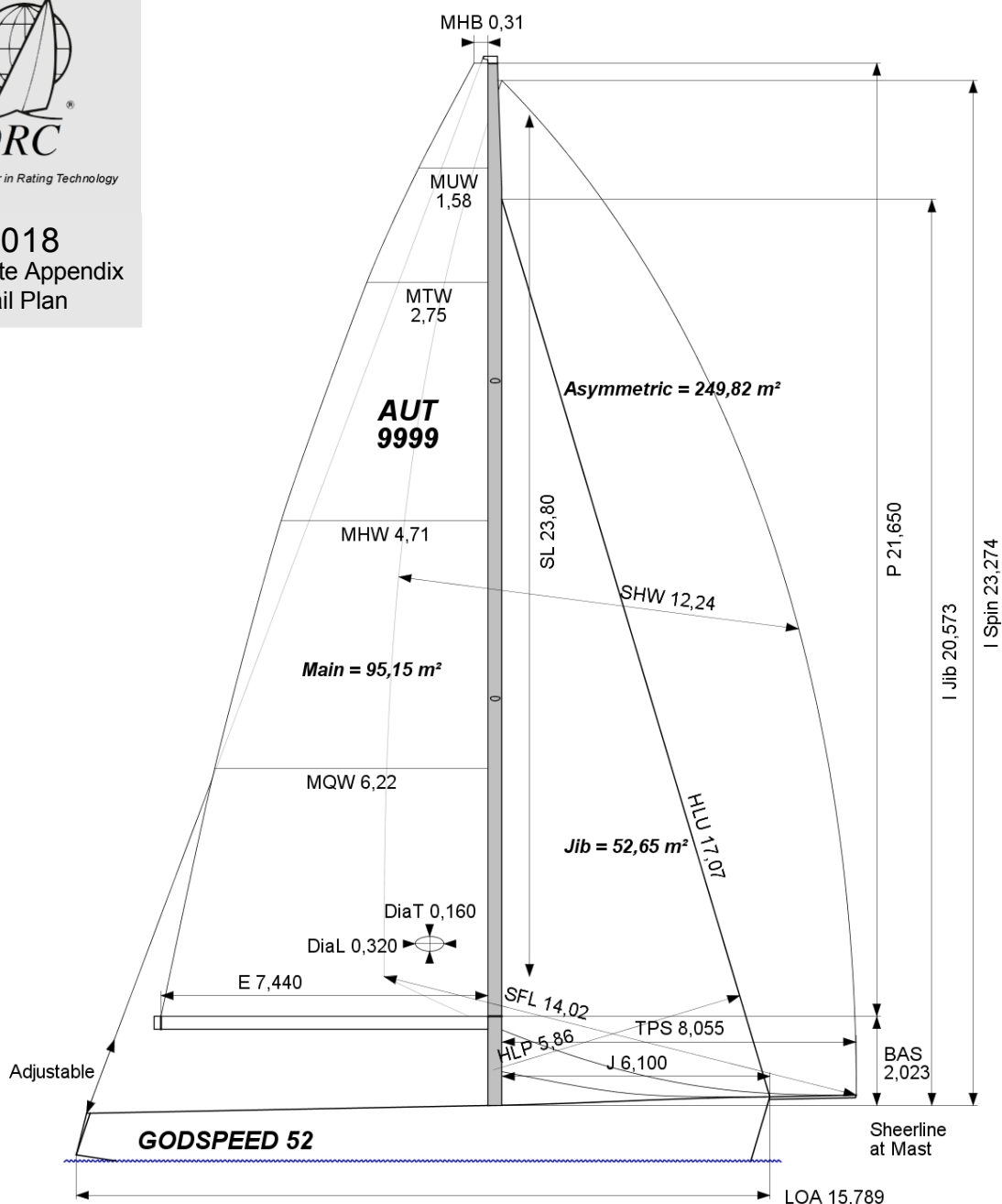
MEASUREMENT INVENTORY				
Measurer KALATZIS GRE-21				
Date 11/06/2009				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
4	Anchor	20.0	8.60	DANFORTH
2	Anchor	40.0	8.60	DANFORTH
4	Chain	43.0	8.60	Chain & rope
4	Tools	15.0	7.00	
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	YANMAR		
<i>Id</i>	<i>Item</i>	<i>Weight 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 Description</i>
1	Tank	FUEL	INOX	300.0	10.60		0-0
2	Tank	WATER	INFL.	175.0	11.60		0-0
3	Tank	WATER	INFL.	175.0	11.60		0-0
4	Tank	WASTE		88.0	4.00		0-0
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
1	Battery	60.0	6.90	3 batteries			
2	Battery	40.0	10.70	2 batteries			
1	Misc	130.0	10.50	GENERATOR			
2	Misc	17.0	11.30	WATER HEATER			
3	Misc	49.5	12.10	DESALINATOR			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.310	1.58	2.75	4.71	6.22	95.15	SIRONI	02/09/2018	NORTH	Kevlar	REMEASURED

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J4	0.09					5.86	17.07	96%	50.71			SIRONI	02/09/2018	NORTH	Kevlar	HEAVY WEATHER
JIB	0.09					4.39	19.36	72%	43.28			SIRONI	02/09/2018	QUANTUM	Dacron	SMALL JIB

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A1	25.20	22.40	23.80	12.24	14.02	249.82	asym	ESP518	11/06/2007	NORTH	Nylon	A2
A3	25.07	21.20	23.13	11.10	12.34	218.78	asym	SIRONI	02/09/2018	NORTH	Nylon	1.5
A0	23.66	21.60	22.63	9.89	13.04	198.39	asym	SIRONI	02/09/2018	QUANTUM	Spectra	CODE ZERO