

BOAT Name CHEBOTTA Sail Nr ITA-14871	GPH 603.7	HULL Length Overall 11.990m Maximum Beam 3.786m Displacement 7,135kg Draft 2.393m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.001% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class GRAND SOLEIL 40 R Designer PAPERINI Builder DEL PARDO Series 05/2001 Age 05/2005 Age Allowance 0.487% Offset File GS40203.OFF - 24/11/2003 18:01:00 Measurement by - 14/04/2019		IMSL 10.681m VCGD 0.117m Sink 22.34kg/mm RL 9.089m VCGM 0.149m WS 29.73m² LSM0 10.700m Displacement/Length ratio 5.8243



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	586.9			656.2		
Time on Time	1.0223			1.0287		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	694.7	533.2	478.5	899.9	658.4	572.7
Time on Time	0.9717	1.2659	1.4107	0.7501	1.0252	1.1787

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1011.1	832.5	737.8	700.4	685.0	678.1	669.2
52°	664.0	556.1	503.2	485.7	479.2	476.1	472.2
60°	629.3	531.3	488.3	472.2	466.0	462.8	460.1
75°	603.4	514.7	478.0	460.5	449.6	443.7	438.4
90°	609.9	517.2	477.6	457.6	442.2	429.3	413.4
110°	620.5	510.0	466.7	444.8	431.7	421.5	402.8
120°	636.1	520.3	470.9	445.2	422.6	405.5	384.9
135°	705.0	568.1	493.3	460.6	436.6	412.8	368.8
150°	847.1	673.5	559.8	492.9	462.5	440.0	396.5
Run VMG	978.2	777.7	646.4	564.1	513.9	476.2	431.3

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ORC Ref **ITA00051828**
Issued On **16/04/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **758kg**
Maximum **649kg**
Minimum* **487kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	612.4	0.9798
Double H.OSN	597.1	1.0049
Non Spin GPH	635.6	0.9440
Non Spin OSN	617.2	0.9722

Selected Courses							
Windward / Leeward	994.6	805.1	692.1	632.3	599.4	577.2	550.3
Circular Random	833.2	671.5	585.3	535.9	506.2	487.1	463.1
Coastal / Long Distance	993.0	756.2	623.7	552.1	515.6	487.3	443.6
Non Spinnaker	890.6	712.2	615.5	559.1	524.5	502.0	473.7

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	42.7°	41.2°	40.6°	39.7°	39.0°	38.9°	38.7°
Beat VMG	3.56	4.32	4.88	5.14	5.26	5.31	5.38
52°	5.42	6.47	7.15	7.41	7.51	7.56	7.62
60°	5.72	6.78	7.37	7.62	7.73	7.78	7.82
75°	5.97	6.99	7.53	7.82	8.01	8.11	8.21
90°	5.90	6.96	7.54	7.87	8.14	8.39	8.71
110°	5.80	7.06	7.71	8.09	8.34	8.54	8.94
120°	5.66	6.92	7.64	8.09	8.52	8.88	9.35
135°	5.11	6.34	7.30	7.82	8.25	8.72	9.76
150°	4.25	5.35	6.43	7.30	7.78	8.18	9.08
Run VMG	3.68	4.63	5.57	6.38	7.01	7.56	8.35
Gybe Angles	138.6°	148.9°	146.9°	155.1°	168.0°	180.0°	180.0°

Class Division Length

CDL = **9.886**

Storm Sails Areas

Heavy Weather Jib **32.75**
Storm Jib (JL=10.13) **12.13**
Storm Trysail **13.99**

Owner

BOAT	
Name CHEBOTTA	Sail Nr ITA-14871
File I14871	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 14/04/2019		SG 1.0240	
FFM 1.411	FF 1.412	SFFP 0.400	
FAM 1.106	FA 1.107	SAFP 11.254	
W1 93.4	PD1 593.7	WD 13.070	
W2 93.4	PD2 592.9	GSA 1.0	
W3 93.4	PD3 591.9	RSA 1.0	
W4 93.4	PD4 595.8	PLM 9000.0	
LCF from stem on CL / on sheer		6.577 / 6.808	
Maximum beam station from stem		7.582	
RM Measured		162.0kg-m	
RM Default		184.7kg-m	
Limit of positive stability / Stab.Index		111.8° / 114.4	
Freeboard at mast at 4.600		1.219	



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RIG			
Forestay Tension Aft	Spreaders 3		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	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 14.850	E 5.380	MDT1 0.115	MW 0.215
IG 15.487	J 4.600	MDL1 0.215	GO 0.241
ISP 15.588	SFJ	MDT2 0.115	BD 0.185
BAS 1.799	SPL 4.600	MDL2 0.157	MWT 219.50
FSP 0.068	TPS	TL 1.280	MCG 5.750

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.440		
Type Solid 2 blades	PBW 0.124		
Twin Screw No	PIPA 0.0200		
ST1 0.042	ST3 0.180	ST5 0.320	
ST2 0.180	ST4 0.112	EDL 2.850	

COMMENTS	

MOVABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.190	1.15	2.03	3.47	4.53	47.65	48.70	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	16.63	16.63	16.63	9.10	9.06	126.00		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	Fly	Meas.Date	Material	Comment
0.13	0.80	1.56	3.12	4.71	6.25	14.90	46.76			14/04/2019	Unknow	
0.11	0.75	1.44	2.94	4.58	6.28	15.32	46.67			14/04/2019	Unknow	

MEASUREMENT INVENTORY				
Measurer 149				
Date 14/04/2019				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	40 HP	
Id	Item	Weight Description		

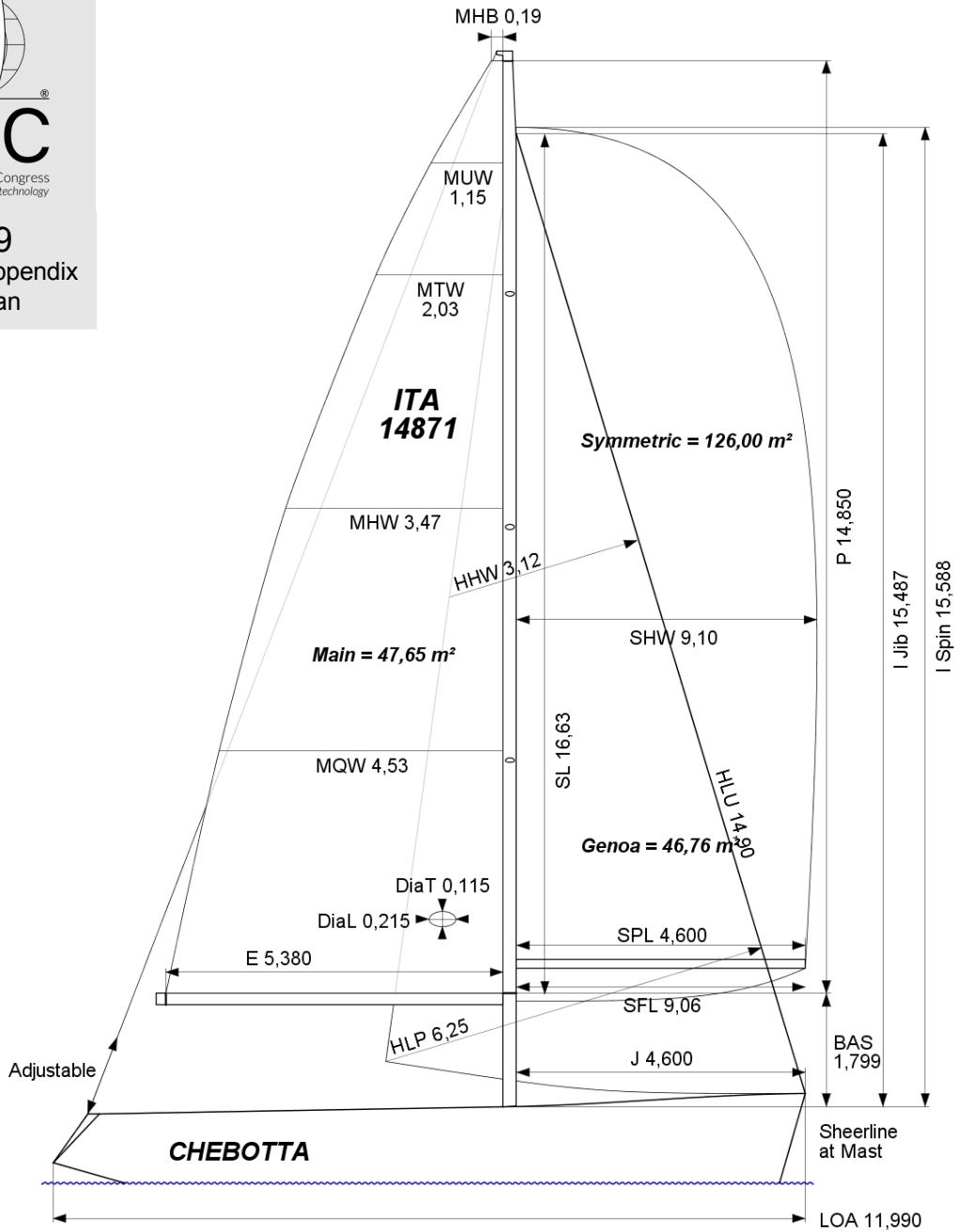
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
C	Tank	ACQUA	PVC	200.0	9.30	0-0	VUOTO
B	Tank	ACQUA	PVC	200.0	2.80	0-0	VUOTO
A	Tank	GASOLIO	INOX	85.0	6.60	14-0	L
Id	Item	Weight	Distance	VCG Description			
B	Battery	40.0	4.90	2X 80 AH			
A	Battery	27.0	4.90	1X100 AH			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
B	0.19	1.15	2.03	3.47	4.53	47.65		14/04/2019		Unknown						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
C	0.13	0.80	1.56	3.12	4.71	6.25	14.90	136%	46.76				14/04/2019		Unknown	
D	0.11	0.75	1.44	2.94	4.58	6.28	15.32	137%	46.67				14/04/2019		Unknown	
SYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
C	16.63	16.63	16.63	9.10	9.06	126.00		14/04/2019		Unknown						
A	15.23	15.23	15.23	8.28	7.90	104.13		05/04/2008		Unknown						
B	15.22	15.22	15.22	8.04	7.94	101.73				Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				