

BOAT	GPH	HULL
Name CHICA 3 Sail Nr ITA-2601	641.7	Length Overall 7.925m Maximum Beam 2.510m Displacement 1,158kg Draft 1.907m IMS Reg. Division Sportboat Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Solid Carbon Rudder Yes Crew Arm Extension
GENERAL		IMSL 7.700m VCGD 0.124m Sink 9.46kg/mm RL 7.034m VCGM 0.148m WS 12.00m² LSM0 7.199m Displacement/Length ratio 3.1038
Class ORC 26 Designer GIORGIO GRASSI Builder Series 03/2006 Age 05/2006 Age Allowance 0.422% Offset File ORC26.OFF - 29/03/2006 19:40:40 Measurement by - 05/11/2014		



2019
ORC International
Certificate

Rating Office

Offshore
Racing
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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	627.0			709.8		
Time on Time	0.9570			0.9510		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	714.6	575.3	515.8	919.4	712.6	637.6
Time on Time	0.9446	1.1734	1.3087	0.7342	0.9473	1.0586

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1034.5	852.5	803.4	796.2	791.8	786.9	805.7
52°	679.3	581.6	561.6	556.3	553.2	547.0	548.7
60°	641.3	565.4	544.1	536.9	534.0	524.9	522.9
75°	613.3	554.0	520.0	503.2	495.2	490.8	474.9
90°	625.3	550.0	514.1	476.8	457.3	447.6	435.2
110°	624.8	542.5	493.5	464.2	440.9	423.2	382.8
120°	646.3	551.3	499.7	449.2	418.8	397.6	358.9
135°	723.5	587.1	533.4	485.2	435.3	386.4	317.3
150°	865.7	684.8	582.0	532.1	487.7	442.7	356.3
Run VMG	999.6	790.7	667.1	595.1	545.2	505.3	411.4
Selected Courses							
Windward / Leeward	1017.0	821.6	735.3	695.6	668.5	646.1	608.6
Circular Random	866.8	707.2	623.9	576.3	546.2	525.0	494.4
Coastal / Long Distance	1015.3	774.9	665.8	603.5	563.1	525.9	464.8
Non Spinnaker	924.1	747.2	653.7	599.9	566.2	543.1	511.3

Certificate

Number **26011**
ORC Ref **ITA00052196**
Issued On **03/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **431kg**
Maximum **370kg**
Minimum* **278kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	669.9	0.8957
Double H.OSN	663.1	0.9048
Non Spin GPH	673.5	0.8909
Non Spin OSN	656.4	0.9141

Sails Limitations

Headsails	Spinnakers
5	3

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	42.5°	41.2°	39.0°	39.0°	39.5°	39.9°	41.7°
Beat VMG	3.48	4.22	4.48	4.52	4.55	4.58	4.47
52°	5.30	6.19	6.41	6.47	6.51	6.58	6.56
60°	5.61	6.37	6.62	6.70	6.74	6.86	6.88
75°	5.87	6.50	6.92	7.15	7.27	7.33	7.58
90°	5.76	6.55	7.00	7.55	7.87	8.04	8.27
110°	5.76	6.64	7.29	7.76	8.16	8.51	9.40
120°	5.57	6.53	7.20	8.01	8.60	9.05	10.03
135°	4.98	6.13	6.75	7.42	8.27	9.32	11.35
150°	4.16	5.26	6.19	6.77	7.38	8.13	10.11
Run VMG	3.60	4.55	5.40	6.05	6.60	7.12	8.75
Gybe Angles	140.4°	147.2°	154.0°	168.4°	180.0°	180.0°	144.6°

Class Division Length

CDL = **7.368**

Storm Sails Areas

Heavy Weather Jib	11.64
Storm Jib (JL=6.04)	4.31
Storm Trysail	6.59

Owner

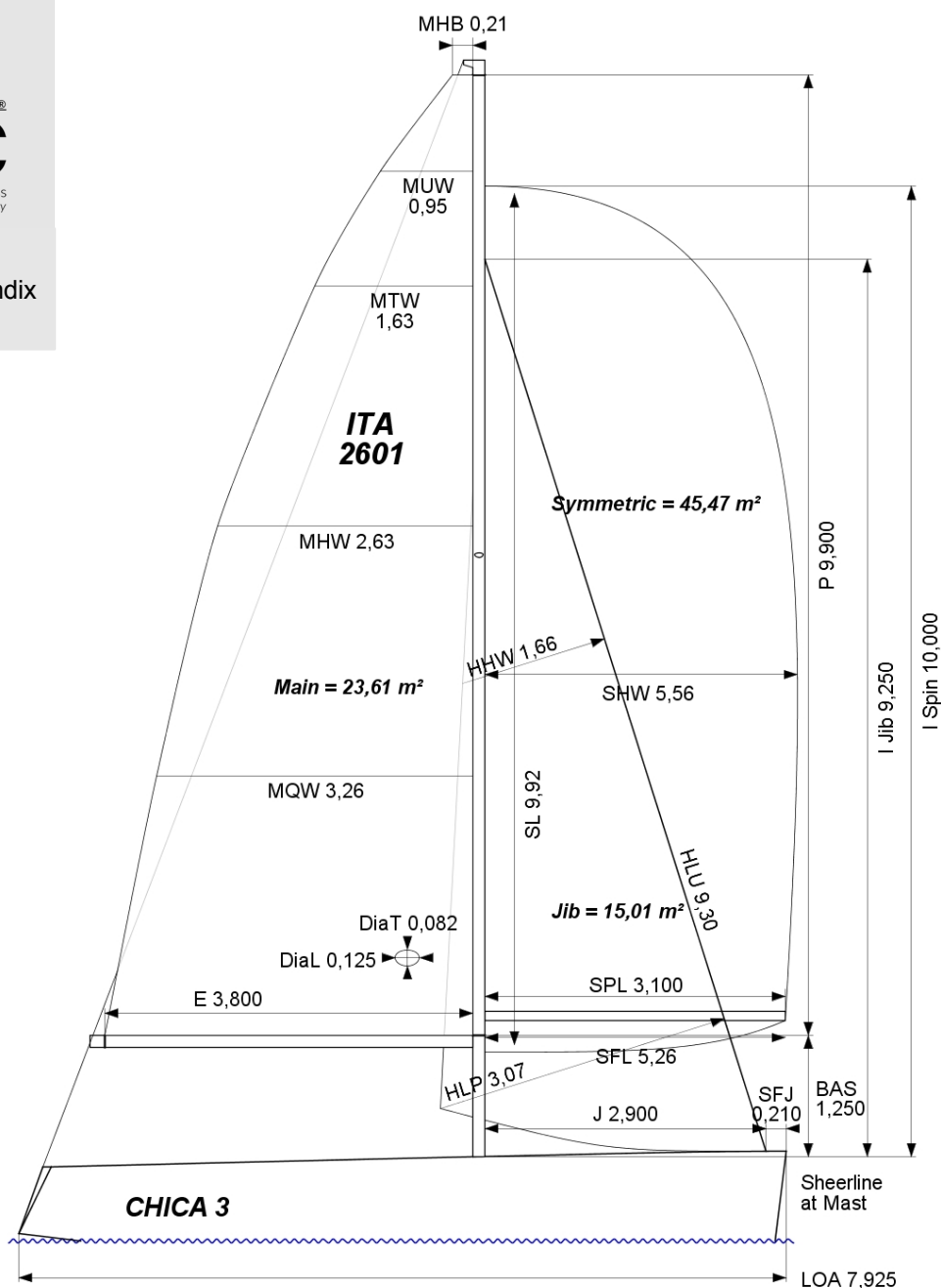
BOAT Name CHICA 3 Sail Nr ITA-2601 File I2601 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Current Inclining Flotation date 26/06/2006 SG 1.0250		 ORC Offshore Racing Congress World leader in rating technology 2019 IMS Measurement Certificate																																			
RIG Forestay Tension Fixed Spreaders 1 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		FFM 0.927 FF 0.931 SFFP 0.065 FAM 0.763 FA 0.762 SAFF 7.588 W1 24.2 PD1 268.0 WD 8.090 W2 24.2 PD2 268.0 GSA 7.1 W3 24.2 PD3 268.0 RSA 6358.0 W4 24.2 PD4 268.0 PLM 2000.0																																					
P 9.900 E 3.800 MDT1 0.082 MW 0.125 IG 9.250 J 2.900 MDL1 0.125 GO 0.135 ISP 10.000 SFJ 0.210 MDT2 0.080 BD 0.120 BAS 1.250 SPL 3.100 MDL2 0.122 MWT 54.50 FSP 0.060 TPS TL 1.200 MCG 4.585		LCF from stem on CL / on sheer 4.333 / 4.502 Maximum beam station from stem 4.955 RM Measured 25.5kg-m RM Default 32.7kg-m Limit of positive stability / Stab.Index 103.8° / 96.0 Freeboard at mast at 3.110 0.867																																					
MIZZEN RIG AND SAILS N/A		PROPELLER Type No Propeller																																					
COMMENTS N/A		MOVABLE BALLAST N/A																																					
		CENTERBOARD N/A		 COPY ONLY for Rating World Leader In Rating Technology																																			
SAILS (Maximum Areas) <table border="1"> <thead> <tr> <th>Mainsail</th> <th>MHB</th> <th>MUW</th> <th>MTW</th> <th>MHW</th> <th>MQW</th> <th>Area</th> <th>Area (r)</th> <th>Formula</th> </tr> </thead> <tbody> <tr> <td></td> <td>0.210</td> <td>0.95</td> <td>1.63</td> <td>2.63</td> <td>3.26</td> <td>23.61</td> <td>24.38</td> <td>$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$</td> </tr> <tr> <td>Symmetric</td> <td>SLU</td> <td>SLE</td> <td>SL</td> <td>SHW</td> <td>SFL</td> <td>45.47</td> <td></td> <td>$SL \cdot (SFL + 4 \cdot SHW) / 6$</td> </tr> <tr> <td></td> <td>9.92</td> <td>9.92</td> <td>9.92</td> <td>5.56</td> <td>5.26</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula		0.210	0.95	1.63	2.63	3.26	23.61	24.38	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$	Symmetric	SLU	SLE	SL	SHW	SFL	45.47		$SL \cdot (SFL + 4 \cdot SHW) / 6$		9.92	9.92	9.92	5.56	5.26		
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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.21	0.95	1.63	2.63	3.26	23.62		05/11/2014	N/S	Unknown	

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
B	0.07	0.50	0.93	1.66	2.33	3.07	9.30	106%	15.01	N	N		05/11/2014	N/S	Unknown	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	9.92	9.92	9.92	5.56	5.26	45.47					* Copied from legacy *

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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