

BOAT Name MIMOSA Sail Nr ITA-15811	GPH 602.6	HULL Length Overall 10.600m Maximum Beam 3.250m Displacement 4,487kg Draft 2.173m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class X-35 OD Designer JEPPESEN Builder X YACHTS Series 09/2005 Age Age Allowance 0.455% Offset File x35.OD - 11/04/2019 22:04:23 Measurement by - 04/05/2006		IMSL 9.449m VCGD 0.053m Sink 17.60kg/mm RL 9.076m VCGM 0.043m WS 22.90m² LSM0 9.270m Displacement/Length ratio 5.6327



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	587.5			653.8		
Time on Time	1.0213			1.0324		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	677.1	537.7	485.1	870.2	655.9	579.0
Time on Time	0.9969	1.2553	1.3914	0.7757	1.0291	1.1658

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	972.3	806.2	725.2	700.9	691.3	680.5	676.5
52°	642.9	546.1	510.6	500.4	496.1	493.3	486.5
60°	610.2	528.8	499.1	487.8	482.9	480.3	471.3
75°	585.4	517.7	490.0	472.6	462.3	456.8	449.8
90°	590.4	518.2	489.2	468.3	449.3	435.0	422.1
110°	604.6	513.2	478.0	452.2	436.2	423.7	404.0
120°	622.6	522.1	483.4	453.8	426.3	406.1	380.8
135°	690.5	562.9	504.4	474.2	445.8	418.4	361.2
150°	818.9	655.0	556.2	504.2	475.9	449.4	398.6
Run VMG	945.6	756.3	641.2	569.7	519.0	487.2	437.0

Selected Courses							
Windward / Leeward	959.0	781.3	683.2	635.3	605.2	583.8	556.8
Circular Random	817.5	665.3	585.4	540.0	512.2	493.5	468.0
Coastal / Long Distance	957.6	736.2	620.7	559.5	524.4	494.8	448.6
Non Spinnaker	870.7	702.8	613.1	561.4	529.7	508.7	481.3

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	42.1°	40.8°	39.0°	37.7°	37.7°	37.2°	38.0°
Beat VMG	3.70	4.47	4.96	5.14	5.21	5.29	5.32
52°	5.60	6.59	7.05	7.19	7.26	7.30	7.40
60°	5.90	6.81	7.21	7.38	7.46	7.49	7.64
75°	6.15	6.95	7.35	7.62	7.79	7.88	8.00
90°	6.10	6.95	7.36	7.69	8.01	8.28	8.53
110°	5.95	7.01	7.53	7.96	8.25	8.50	8.91
120°	5.78	6.90	7.45	7.93	8.44	8.86	9.45
135°	5.21	6.39	7.14	7.59	8.08	8.60	9.97
150°	4.40	5.50	6.47	7.14	7.56	8.01	9.03
Run VMG	3.81	4.76	5.61	6.32	6.94	7.39	8.24
Gybe Angles	142.4°	148.3°	151.4°	158.9°	180.0°	180.0°	180.0°

Certificate

Number **X35OD**
ORC Ref **ITA00051911**
Issued On **24/04/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **618kg**
Maximum **640kg**
Minimum* **480kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	614.0	0.9771
Double H.OSN	601.0	0.9984
Non Spin GPH	632.1	0.9492
Non Spin OSN	615.4	0.9750

Sails Limitations

Headsails	Spinnakers
5	3

Class Division Length

CDL = 9.263

Storm Sails Areas

Heavy Weather Jib **28.66**
Storm Jib (JL=9.48) **10.62**
Storm Trysail **12.22**

Owner

BOAT	
Name MIMOSA	Sail Nr ITA-15811
File I15811	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 04/05/2006				SG 1.0250	
FFM	1.321	FF	1.323	SFFP	0.075
FAM	0.980	FA	0.983	SAFP	10.275
W1	70.0	PD1	554.0	WD	11.240
W2	70.0	PD2	558.9	GSA	1.0
W3	70.0	PD3	554.0	RSA	1.0
W4	70.0	PD4	552.5	PLM	9000.0
LCF from stem on CL / on sheer				5.956 / 6.160	
Maximum beam station from stem				7.300	
RM Measured				111.7kg-m	
RM Default				121.4kg-m	
Limit of positive stability / Stab.Index				116.3° / 117.0	
Freeboard at mast at 4.185				1.108	



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RIG					
Forestay Tension	Aft	Spreaders	2		
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	14.250	E	4.900	MDT1	0.125
IG	14.500	J	4.185	MDL1	0.185
ISP	14.530	SFJ	0.000	MDT2	0.122
BAS	1.745	SPL	4.180	MDL2	0.140
FSP	0.068	TPS		MWT	156.00
		TL	1.230	MCG	4.600

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.420
Type	Folding 2 blades	PBW	0.128
Twin Screw	No	PIPA	0.0033
ST1	0.042	ST3	0.182
ST2	0.178	ST4	0.112
		ST5	0.255
		EDL	2.390

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Number	X350D
ORC Ref	ITA00051911
Issued On	24/04/2019
VPP Ver.	2019 1.01
Valid until	31/12/2019

COMMENTS	
O.D. TRIM PLUS TABLE AND CUSHIONS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.210	1.08	1.88	3.19	4.14	41.98	42.84	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.36	14.36	14.36	7.75	7.52	92.19		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)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.10	0.63	1.21	2.29	3.34	4.40	14.60	33.04	Y	N	01/03/2007	Kevlar	One Design Rule

MEASUREMENT INVENTORY				
Measurer kall				
Date 04/05/2006				
Comment				
Id	Item	Weight	Distance	VCG Description
4	Anchor	10.0	6.70	0.00 Anchor 4
4	Chain	8.0	5.50	0.00 Warp
4	Foels	13.0	7.50	0.00
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM20C	
Id	Item	Weight	Description	
4	Deck-Gear	9.2	0	

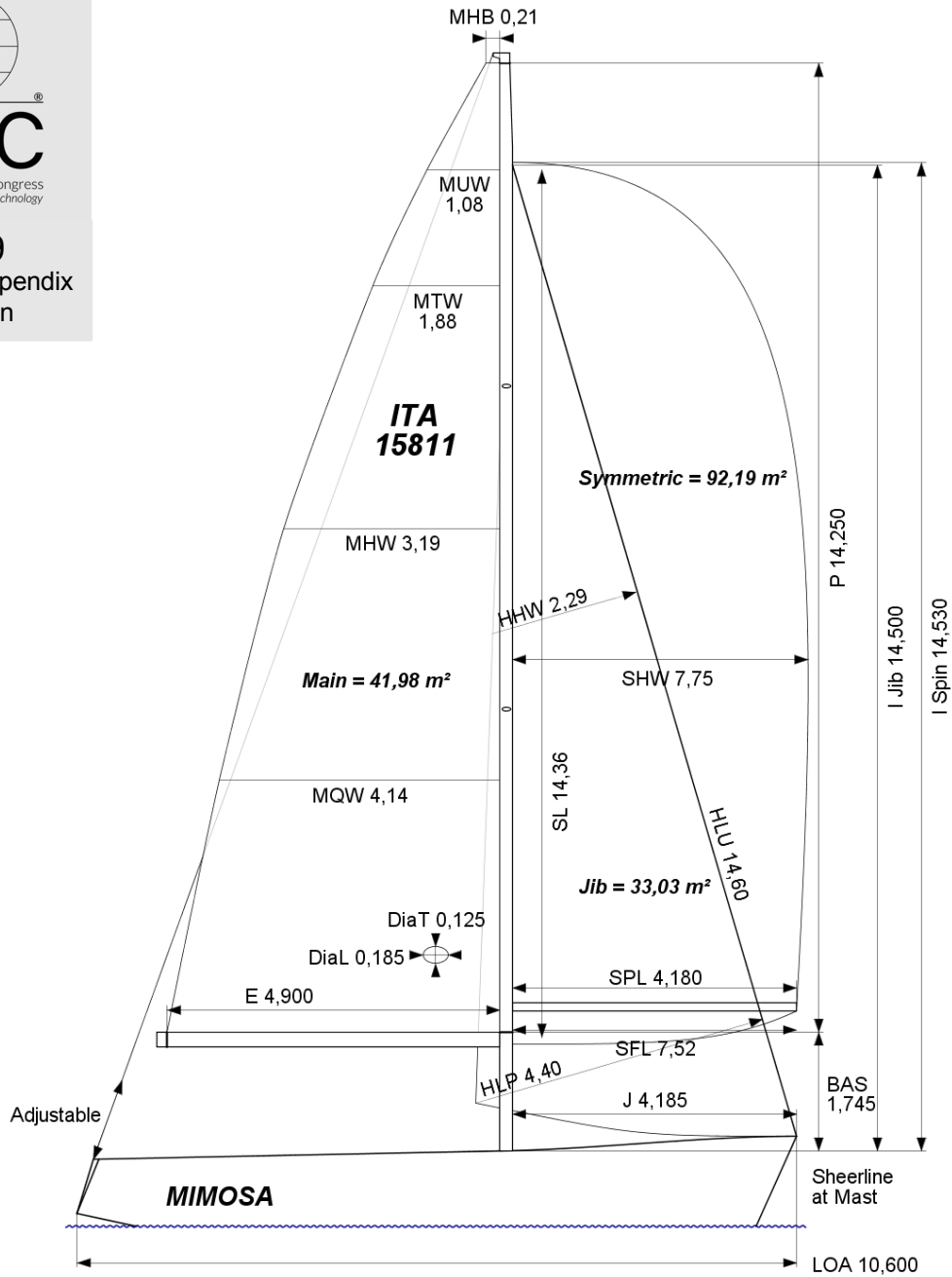
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank fuel		st.stl	60.0	5.95	0.00	0-0 fuel
2	Tank H2O		pvc	120.0	5.35	0.00	0-0 Water
3	Tank gas		steel	2.0	9.45	0.00	0-0 LPG gas
Id	Item	Weight	Distance	VCG Description			
1	Ballast	10.0	6.70	0.00 Anchor			
1	Battery	46.8	4.65	0.00 120 Ah gel - services			
2	Battery	18.4	5.00	0.00 55 Ah - engine			
1	Misc	20.0	5.00	0.00 Table			
2	Misc	8.0	5.00	0.00 Safety Equipment			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.21	1.08	1.88	3.19	4.14	41.98				Unknown	* Copied from legacy

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.10	0.63	1.21	2.29	3.34	4.40	14.60	105%	33.04	Y	N	X-35	01/03/2007	Any	Kevlar	One Design Rule

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	14.36	14.36	14.36	7.75	7.52	92.20				Unknown	* Copied from legacy *

ASYMMETRIC SPINNAKERS (0)

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