

BOAT Name GIVE ME FIVE Sail Nr ITA-4150	GPH 541.4	HULL Length Overall 12.700m Maximum Beam 3.698m Displacement 6,769kg Draft 2.563m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class ARYA 415 Designer LOSTUZZI Builder DUE EMME MARINE Series 11/2007 Age 11/2007 Age Allowance 0.390% Offset File I4150.off - 15/04/2019 18:49:42 Measurement by - 14/04/2019		IMSL 11.652m VCGD -0.342m Sink 24.02kg/mm RL 11.009m VCGM -0.301m WS 32.19m² LSM0 11.309m Displacement/Length ratio 4.6801



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	527.2			594.0		
Time on Time	1.1380			1.1364		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	611.9	481.6	432.0	791.2	595.0	526.5
Time on Time	1.1032	1.4015	1.5624	0.8531	1.1345	1.2821

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	903.5	736.2	661.7	636.4	624.5	611.4	604.2
52°	591.8	491.8	458.1	448.3	443.5	440.2	432.6
60°	558.7	473.5	446.0	435.8	430.4	427.4	417.1
75°	533.4	462.6	436.2	419.5	409.3	403.1	395.9
90°	538.6	462.3	435.7	414.8	395.5	380.8	366.7
110°	535.8	452.2	422.2	406.1	391.2	377.6	348.4
120°	550.3	457.6	423.1	394.6	376.0	362.3	331.7
135°	616.8	492.1	442.1	412.3	382.0	351.4	298.9
150°	735.4	585.3	494.0	445.6	422.4	399.6	339.5
Run VMG	849.2	675.9	570.4	514.4	487.4	459.0	392.1

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Number **41501**
ORC Ref **ITA00051783**
Issued On **15/04/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 820kg
Maximum **800kg**
Minimum* **600kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	551.6	1.0878
Double H.OSN	539.4	1.1123
Non Spin GPH	579.9	1.0347
Non Spin OSN	565.7	1.0607

Selected Courses							
Windward / Leeward	876.3	706.0	616.1	575.4	556.0	535.2	498.1
Circular Random	739.4	599.1	525.5	483.7	457.8	439.5	411.4
Coastal / Long Distance	873.6	663.8	557.5	501.0	471.0	443.2	394.1
Non Spinnaker	809.9	649.0	562.0	510.8	478.6	456.8	428.5

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	42.8°	41.6°	39.7°	38.5°	38.3°	37.7°	38.0°
Beat VMG	3.98	4.89	5.44	5.66	5.76	5.89	5.96
52°	6.08	7.32	7.86	8.03	8.12	8.18	8.32
60°	6.44	7.60	8.07	8.26	8.36	8.42	8.63
75°	6.75	7.78	8.25	8.58	8.80	8.93	9.09
90°	6.68	7.79	8.26	8.68	9.10	9.45	9.82
110°	6.72	7.96	8.53	8.87	9.20	9.53	10.33
120°	6.54	7.87	8.51	9.12	9.57	9.94	10.85
135°	5.84	7.32	8.14	8.73	9.42	10.24	12.04
150°	4.90	6.15	7.29	8.08	8.52	9.01	10.60
Run VMG	4.24	5.33	6.31	7.00	7.39	7.84	9.18
Gybe Angles	142.4°	144.6°	148.0°	151.7°	150.6°	175.6°	142.7°

Class Division Length

CDL = **11.331**

Storm Sails Areas

Heavy Weather Jib **40.24**
Storm Jib (JL=11.23) **14.91**
Storm Trysail **17.21**

Owner

BOAT	
Name GIVE ME FIVE	Sail Nr ITA-4150
File I4150	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 24/05/2017		SG 1.0030
FFM 1.363	FF 1.369	SFFP 0.130
FAM 1.101	FA 1.109	SAFP 12.617
W1 100.3	PD1 469.5	WD 13.000
W2 100.3	PD2 470.5	GSA 1.0
W3 100.3	PD3 470.5	RSA 1.0
W4 100.3	PD4 471.2	PLM 9000.0
LCF from stem on CL / on sheer		6.902 / 7.116
Maximum beam station from stem		7.790
RM Measured		218.3kg-m
RM Default		203.0kg-m
Limit of positive stability / Stab.Index		133.2° / 136.4
Freeboard at mast at 4.950		1.261



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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 No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 16.950	E 5.800 MDT1 0.128 MW 0.255
IG 17.183	J 4.950 MDL1 0.255 GO 0.278
ISP 19.073	SFJ 0.000 MDT2 0.114 BD 0.232
BAS 1.790	SPL 0.000 MDL2 0.188 MWT 209.00
FSP 0.068	TPS 6.390 TL 1.705 MCG 6.770

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.466	
Type Folding 2 blades	PBW 0.118	
Twin Screw No	PIPA 0.0041	
ST1 0.065	ST3 0.180 ST5 0.321	
ST2 0.180	ST4 0.110 EDL 1.690	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.250	1.21	2.17	3.85	4.91	59.13	60.32	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	21.27	18.22	19.75	10.70	10.34	174.87	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
0.17	0.89	1.60	2.85	4.06	5.22	16.66	46.36	Y		14/04/2019	Unknow	RM-27/05/17
0.16	0.88	1.59	2.80	4.03	5.23	16.67	46.06	Y		14/04/2019	Unknow	RM-27/05/17

MEASUREMENT INVENTORY				
Measurer FIV 174				
Date 24/05/2017				
Comment MONFALCONE				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
A	Engine	VOLVO	20-40	40 HP
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

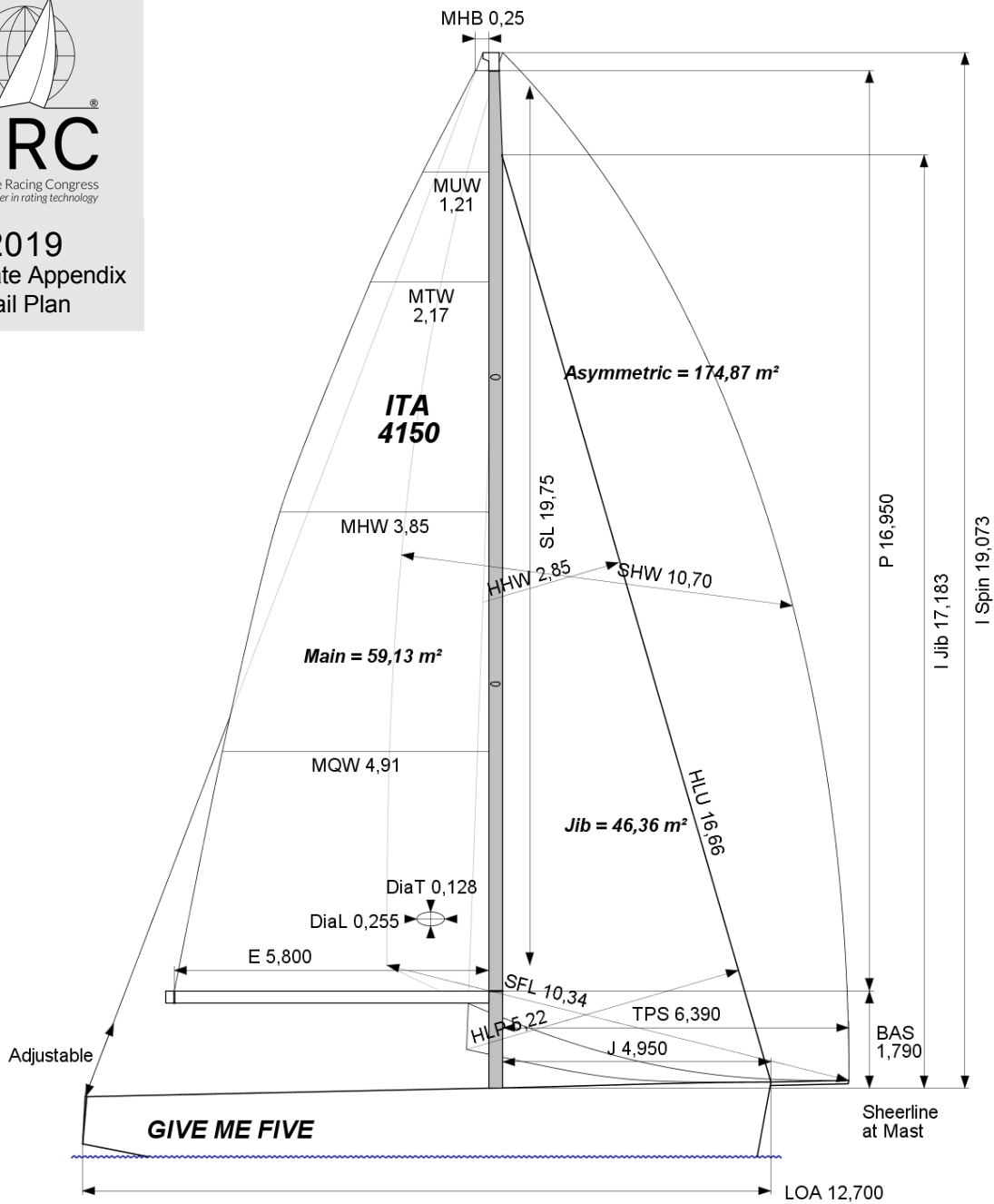
MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
A	Tank	WATER	PVC	160.0	5.64	0.00	0-0	EMPTY
B	Tank	WATER	PVC	160.0	5.64	0.00	0-0	EMPTY
C	Tank	FUEL	PVC	84.0	9.97	0.00	20-0	L
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>			
A	Battery	12.0	8.20	0.00	80 Ah			
B	Battery	36.0	7.42	0.00	2 x 108 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	0,25	1,21	2,17	3,85	4,91	59,14		24/05/2017	ONE	Unknown	REMEASURED

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
D	0,17	0,89	1,60	2,85	4,06	5,22	16,66	105%	46,36	Y			14/04/2019	BARAONDA	Unknow	RM-27/05/17
C	0,16	0,88	1,59	2,80	4,03	5,23	16,67	106%	46,06	Y			14/04/2019	BARAONDA	Unknow	RM-27/05/17

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
C	21,27	18,22	19,74	10,70	10,34	174,88	asym		14/04/2019	BARAONDA	Unknown	RM-3/5/17