

BOAT Name INTERCEPTOR Sail Nr ITA-17006	GPH 563.2	HULL Length Overall 10.320m Maximum Beam 3.008m Displacement 2,694kg Draft 2.526m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension IMSL 10.037m VCGD -0.207m Sink 15.23kg/mm RL 9.345m VCGM -0.206m WS 19.99m² LSM0 9.639m Displacement/Length ratio 3.0082
GENERAL Class M34 Designer JOUBERT/NIVELT Builder ARCHAMBAULT Series 10/2010 Age 02/2012 Age Allowance 0.292% Offset File M34.OFF - 02/09/2011 14:02:52 Measurement by - 14/05/2019		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	550.3			620.0		
Time on Time	1.0903			1.0886		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	628.0	505.4	447.6	809.1	626.7	545.5
Time on Time	1.0749	1.3355	1.5080	0.8343	1.0771	1.2373

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	918.2	756.2	707.3	690.7	677.1	666.1	674.5
52°	603.6	512.7	492.6	485.3	481.0	473.2	472.6
60°	570.0	496.3	477.3	469.2	465.0	457.1	451.7
75°	544.9	485.6	457.7	442.3	433.7	429.0	412.2
90°	549.4	486.5	453.6	423.0	404.5	394.6	384.8
110°	543.8	473.3	445.4	422.9	402.4	380.2	338.2
120°	558.6	477.0	433.9	406.3	386.6	365.0	327.4
135°	631.9	506.2	458.9	413.6	369.2	333.4	293.5
150°	755.8	596.9	509.2	463.6	425.9	383.3	300.6
Run VMG	872.8	689.2	588.0	535.9	491.7	442.6	347.1

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Number **170061**
ORC Ref **ITA00052954**
Issued On **29/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default 653kg
Maximum **605kg**
Minimum* **454kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	585.7	1.0245
Double H.OSN	577.8	1.0384
Non Spin GPH	604.5	0.9926
Non Spin OSN	590.8	1.0155

Selected Courses							
Windward / Leeward	895.5	722.7	647.7	613.3	584.4	554.4	510.8
Circular Random	762.3	621.5	547.7	504.9	476.9	456.2	425.0
Coastal / Long Distance	893.2	681.0	585.3	530.8	494.2	458.6	404.0
Non Spinnaker	837.3	674.2	586.5	534.9	502.0	479.4	449.4

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°	40.8°	39.0°	38.5°	38.1°	38.1°	39.4°
Beat VMG	3.92	4.76	5.09	5.21	5.32	5.40	5.34
52°	5.96	7.02	7.31	7.42	7.48	7.61	7.62
60°	6.32	7.25	7.54	7.67	7.74	7.88	7.97
75°	6.61	7.41	7.87	8.14	8.30	8.39	8.73
90°	6.55	7.40	7.94	8.51	8.90	9.12	9.36
110°	6.62	7.61	8.08	8.51	8.95	9.47	10.64
120°	6.44	7.55	8.30	8.86	9.31	9.86	11.00
135°	5.70	7.11	7.85	8.70	9.75	10.80	12.27
150°	4.76	6.03	7.07	7.77	8.45	9.39	11.97
Run VMG	4.12	5.22	6.12	6.72	7.32	8.13	10.37
Gybe Angles	142.3°	143.8°	149.9°	151.1°	147.5°	144.7°	144.2°

Class Division Length
CDL = **9.692**

Storm Sails Areas
Heavy Weather Jib **23.96**
Storm Jib (JL=8.66) **8.88**
Storm Trysail **11.30**

Owner

BOAT	
Name INTERCEPTOR	Sail Nr ITA-17006
File I17006	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 17/03/2019		SG 1.0300	
FFM 1.309	FF 1.308	SFFP 0.514	
FAM 0.925	FA 0.925	SAFP 10.284	
W1 48.3	PD1 557.4	WD 10.200	
W2 48.3	PD2 559.5	GSA 1.0	
W3 48.3	PD3 559.6	RSA 1.0	
W4 48.3	PD4 563.4	PLM 9000.0	
LCF from stem on CL / on sheer		5.744 / 5.918	
Maximum beam station from stem		8.569	
RM Measured		69.3kg·m	
RM Default		77.3kg·m	
Limit of positive stability / Stab.Index		129.6° / 125.8	
Freeboard at mast at 4.120		1.070	



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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 13.450	E 4.800	MDT1 0.099	MW 0.197
IG 13.320	J 4.020	MDL1 0.198	GO 0.197
ISP 15.365	SFJ 0.100	MDT2 0.095	BD 0.220
BAS 1.350	SPL 0.000	MDL2 0.152	MWT 105.00
FSP 0.064	TPS 5.580	TL 1.810	MCG 5.300

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.405		
Type Folding 2 blades	PBW 0.100		
Twin Screw No	PIPA 0.0038		
ST1 0.065	ST3 0.180	ST5 0.300	
ST2 0.180	ST4 0.110	EDL 1.770	

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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	
	0.520	1.16	1.86	3.06	4.06	39.19	40.04	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		
	17.17	14.48	15.82	8.82	8.67	115.92	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
0.11	0.69	1.27	2.28	3.25	4.21	13.20	29.39	Y	N	14/05/2019	Unknow	
0.10	0.67	1.21	2.23	3.21	4.22	13.09	28.74	Y	N	14/05/2019	Unknow	
0.11	0.60	1.13	2.13	3.17	4.17	13.17	28.12	Y	N	14/05/2019	Unknow	
0.09	0.56	1.07	2.11	3.14	4.20	12.35	26.09	N	N	14/05/2019	Unknow	
0.08	0.37	0.72	1.46	2.29	3.12	12.84	19.50	N	N	14/05/2019	Unknow	

MEASUREMENT INVENTORY				
Measurer 110				
Date 17/03/2019				
Comment TANGONI IN LCF				
Id	Item	Weight	Distance	VCG Description
A	Engine			VOLVO 18 HP
Id	Item	Weight Description		

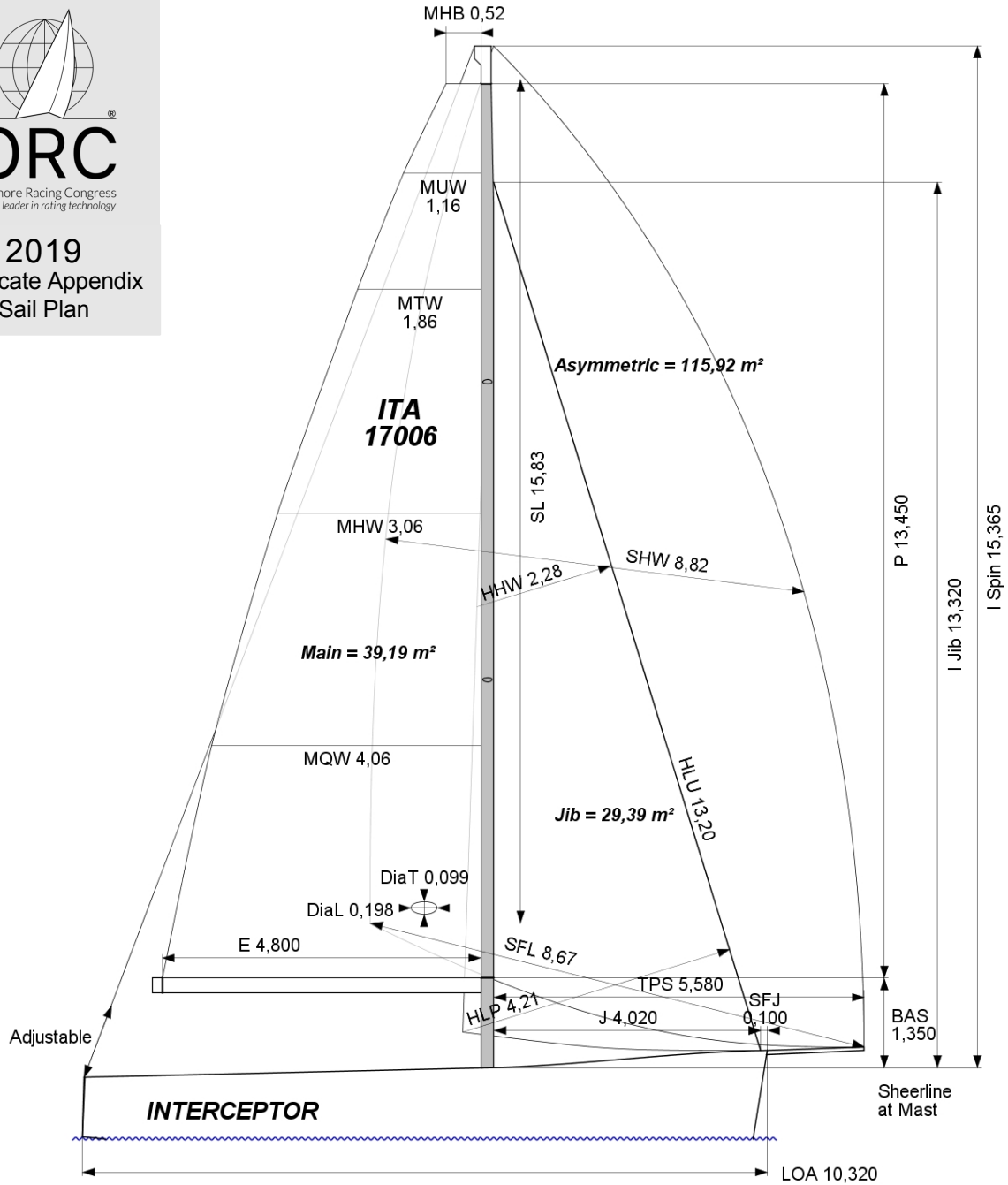
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
A	Tank	DIESEL	PVC	45.0	7.38	0.00	5-0	L	
Id	Item	Weight	Distance	VCG Description					
A	Ballast	9.0	4.05	0.00 PANE PB BASE ALBERO					
B	Battery	50.0	5.87	0.00 100 AH + 80 AH					
A	Battery	30.0	7.89	0.00 100 AH					



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SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
C	0.52	1.16	1.86	3.06	4.06	39.09		14/05/2019		Unknown						
B	0.40	1.14	2.06	3.07	3.91	38.99		14/05/2019		Unknown						
HEADSAILS (5)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
E	0.11	0.69	1.27	2.28	3.25	4.21	13.20	105%	29.39	Y	N		14/05/2019		Unknown	
F	0.10	0.67	1.21	2.23	3.21	4.22	13.09	105%	28.74	Y	N		14/05/2019		Unknown	
G	0.11	0.60	1.13	2.13	3.17	4.17	13.17	104%	28.12	Y	N		14/05/2019		Unknown	
H	0.09	0.56	1.07	2.11	3.14	4.20	12.35	104%	26.09	N	N		14/05/2019		Unknown	
I	0.08	0.37	0.72	1.46	2.29	3.12	12.84	78%	19.50	N	N		14/05/2019		Unknown	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (4)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
D	17.17	14.48	15.83	8.82	8.67	115.92	asym		14/05/2019		Unknown					
C	17.00	14.20	15.60	8.06	8.54	106.03	asym		14/05/2019		Unknown					
B	15.73	14.35	15.04	5.58	7.35	74.38	asym		14/05/2019		Unknown					
E	14.50	12.80	13.65	5.81	7.70	70.39	asym		14/05/2019		Unknown					