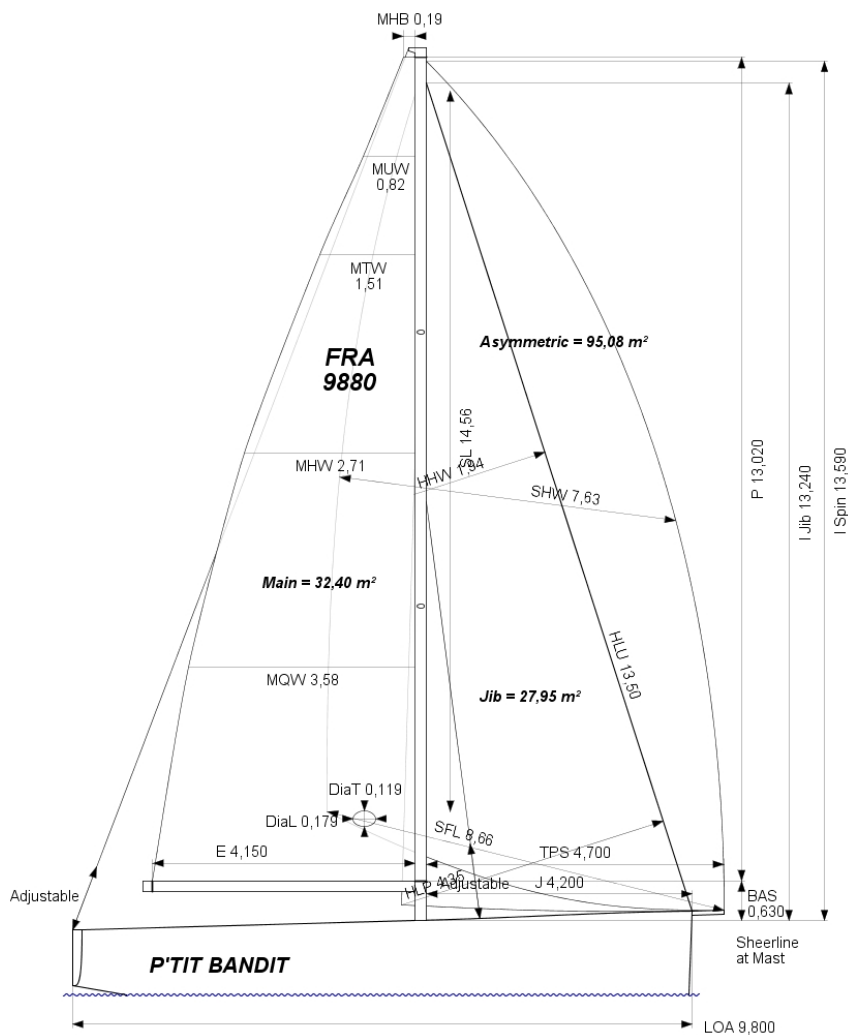




BOAT		GPH	HULL	
Name	P'TIT BANDIT	641.6	Data File	F9880 LOA 9.800m
Sail Nr	FRA- 9880		Offset File	Django980 MB 3.586m
			Displacement	3,546kg Draft 1.599m
CLASS Class DJANGO980 TwinKeel Designer Pierre ROLLAND Builder MAREE HAUTE Series 01/2015, CIN 2027 Age Date 06/2019 Age Allowance 0.130%		IMS Division Cruiser/Racer Dynamic All. 0.106% Fwd Accom. Yes Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		
		IMSL 9.798m VCGD -0.070m Sink 18.02kg/mm RL 8.136m VCGM -0.051m WS 19.95m² LSMO 9.844m Displacement/Length ratio 3.7173		
		Water Ballast 0 Trim Tab No BLR Index 0.0000		
		BILGEBOARD BS 1.248 BT 0.079 BA 15.0 BF 1.000 BX 3.813 BC 0.856 BY 0.875		
COMMENTS YANMARSD20 & From DJANGO980TK.dxt				
PROPELLER Installation Strut PRD 0.406 Type Folding 2 blades PIPA 0.0035				

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	618.4			696.4		
Time on Time	0.9703			0.9693		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	766.7	561.8	477.1	999.4	704.4	587.7
Time on Time	0.8804	1.2016	1.4148	0.6754	0.9582	1.1486



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2019
ORC Club
Certificate

Rating Office
Centre de Calcul FFVoile
52 Rue Sénac de Meilhan
17000 - La Rochelle
France



Certificate
 Number **19337a**
 Issued On **24/07/2019**
 ORC Ref **FRA00016474**
 VPP Ver. **2019 1.01**
 Valid until **29/02/2020**

Crew Weight

Default	673kg
Maximum	673kg
Minimum*	505kg

*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 689.6	0.8701
Non Spin OSN 661.5	0.9070

Sails Limitations

Headsails **5** Spinnakers **3**

Asymmetric on centerline

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes** **95.08**
 Flying H/S: **No**
 Spin. Pole: **No**

Class Division Length

CDL = 8.968

Stability (Estimated)

Limit Positive Stab.: **117.6°**
 Stability Index: **112.8**

Owner
BFR INVESTISSEMENT

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT Name P'TIT BANDIT Sail Nr FRA- 9880 File F9880 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 01/01/2013 SG 1.0260 VCGDe -0.070 FFM 1.298 FF 1.298 SFFP 0.482 FAM 1.018 FA 1.018 SAFF 9.617 LCF from stem on CL / on sheer 5.740 / 6.002 Maximum beam station from stem 7.230 RM Measured 109.2kg·m RM Default 82.9kg·m Limit of positive stability / Stab.Index 117.6° / 112.8 Freeboard at mast at 4.200 1.168	
RIG Forestay Tension Aft Spreaders 2 Inner Stay Adjustable Runners 0 Carbon Mast No Jumper Struts None Taper Hollows No Jib Furler Yes Fiber Rigging No Main Furler No Lenticular Rigging No Without Backstay No Articulated Bowsprit No P 13.020 E 4.150 MDT1 0.119 MW 0.179 IG 13.240 J 4.200 MDL1 0.179 GO 0.179 ISP 13.590 SFJ MDT2 0.119 BD 0.170 BAS 0.630 SPL MDL2 0.179 MWT FSP 0.052 TPS 4.700 TL 0.000 MCG		PROPELLER Installation Strut PRD 0.406 Type Folding 2 blades PBW Twin Screw No PIPA 0.0035 ST1 0.039 ST3 ST5 0.362 ST2 ST4 0.113 EDL 2.000	
MIZZEN RIG AND SAILS N/A		MOVABLE BALLAST N/A	
COMMENTS YANMARSD20 & From DJANGO980TK.dxt		BILGEBOARD BS 1.248 BT 0.079 BA 15.0 BF 1.000 BX 3.813 BC 0.856 BY 0.875	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M1	0.19	0.82	1.51	2.71	3.58	32.41	Declaration	24/07/2019		Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.04	0.49	0.94	1.94	3.16	4.35	13.50	104%	27.95	Y		Declaration	24/07/2019		Dacron	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
A0	15.82	13.30	14.56	7.63	8.66	95.08	asym	Declaration	24/07/2019		Nylon					



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ORC Club Certificate Appendix

BOAT			
Name	P'TIT BANDIT	Certificate Number	19337a
Sail Nr	FRA- 9880	Issued On	24/07/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1191.7	956.2	825.9	740.3	687.2	659.8	645.9
52°	768.4	627.1	547.3	509.4	488.3	474.2	464.1
60°	722.3	594.1	526.4	496.7	476.0	458.4	442.8
75°	689.5	569.6	512.3	486.3	463.8	439.9	408.2
90°	670.7	543.6	490.6	462.0	447.7	432.6	391.4
110°	654.9	531.7	483.5	448.1	414.6	390.6	360.9
120°	676.7	544.3	490.3	455.8	420.1	385.3	336.2
135°	759.9	600.6	515.2	478.5	445.9	413.1	348.1
150°	899.6	702.4	585.7	521.0	491.4	468.4	412.6
Run VMG	1038.7	811.0	676.3	601.6	566.8	523.7	468.8
Selected Courses							
Windward / Leeward	1115.2	883.6	751.1	670.9	627.0	591.8	557.4
Circular Random	913.3	725.0	621.1	558.3	517.6	489.2	450.8
Coastal / Long Distance	1107.6	826.1	672.1	579.6	529.2	488.2	425.8
Non Spinnaker	1000.2	786.4	666.4	592.7	544.8	511.9	469.4

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	44.6°	43.1°	42.4°	41.3°	39.2°	37.5°	36.8°
Beat VMG	3.02	3.76	4.36	4.86	5.24	5.46	5.57
52°	4.68	5.74	6.58	7.07	7.37	7.59	7.76
60°	4.98	6.06	6.84	7.25	7.56	7.85	8.13
75°	5.22	6.32	7.03	7.40	7.76	8.18	8.82
90°	5.37	6.62	7.34	7.79	8.04	8.32	9.20
110°	5.50	6.77	7.45	8.03	8.68	9.22	9.97
120°	5.32	6.61	7.34	7.90	8.57	9.34	10.71
135°	4.74	5.99	6.99	7.52	8.07	8.72	10.34
150°	4.00	5.13	6.15	6.91	7.33	7.69	8.73
Run VMG	3.47	4.44	5.32	5.98	6.35	6.87	7.68
Gybe Angles	145.0°	147.0°	146.5°	149.0°	150.5°	175.0°	177.0°