

BOAT Name DIALIX Sail Nr ESP-10065	GPH 619.1	HULL Length Overall 10.970m Maximum Beam 3.624m Displacement 6,422kg Draft 2.207m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.241% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class DUFOUR 36 P Designer FELCI Builder DUFOUR Series 01/2012 Age 02/2012 Age Allowance 0.228% Offset File DUF36E-N.OFF - 12/02/2013 20:54:02 Measurement by ESP 386 - 20/01/2015		IMSL 10.291m VCGD 0.133m Sink 20.86kg/mm RL 8.600m VCGM 0.136m WS 27.75m² LSMO 10.261m Displacement/Length ratio 5.9443



2019
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Rating Office
Centre de Calcul FFVoile
52 Rue Sénac de Meilhan
17000 - La Rochelle
France



SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	601.7			676.3		
Time on Time	0.9972			0.9981		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	711.9	546.8	492.0	924.8	678.4	594.8
Time on Time	0.9482	1.2344	1.3720	0.7299	0.9950	1.1349

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1077.8	888.8	779.9	720.0	699.6	692.4	682.8
52°	703.4	592.7	528.1	499.9	489.6	485.8	482.4
60°	664.4	563.7	510.4	486.9	476.0	471.9	470.0
75°	635.7	541.7	498.0	476.8	462.7	453.1	445.7
90°	618.0	517.0	482.8	472.1	458.5	444.0	421.3
110°	606.2	506.5	469.8	448.2	434.8	425.9	406.7
120°	622.1	515.4	474.2	449.2	425.6	407.3	387.7
135°	705.9	563.1	494.2	465.3	441.4	417.1	371.0
150°	835.0	665.4	556.7	500.2	477.6	458.5	419.4
Run VMG	964.1	768.3	642.9	577.6	548.0	505.5	459.5

Certificate
Number **19200a**
ORC Ref **FRA00014275**
Issued On **26/03/2019**
VPP Ver. **2019 1.01**
Valid until **29/02/2020**

Crew Weight
Default **714kg**
Maximum **630kg**
Minimum* **473kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **662.7 0.9054**
Non Spin OSN **640.2 0.9372**

Selected Courses							
Windward / Leeward	1021.0	828.6	711.4	648.8	623.8	599.0	571.2
Circular Random	853.6	688.3	600.2	549.9	519.8	500.5	476.0
Coastal / Long Distance	1015.3	775.9	640.1	565.3	530.1	500.2	454.9
Non Spinnaker	935.5	745.5	641.4	579.9	542.0	517.8	488.8

Sails Limitations
Headsails **5** | Spinnakers **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	43.0°	41.1°	40.7°	39.9°	39.1°	39.0°	38.7°
Beat VMG	3.34	4.05	4.62	5.00	5.15	5.20	5.27
52°	5.12	6.07	6.82	7.20	7.35	7.41	7.46
60°	5.42	6.39	7.05	7.39	7.56	7.63	7.66
75°	5.66	6.65	7.23	7.55	7.78	7.95	8.08
90°	5.83	6.96	7.46	7.63	7.85	8.11	8.54
110°	5.94	7.11	7.66	8.03	8.28	8.45	8.85
120°	5.79	6.98	7.59	8.01	8.46	8.84	9.28
135°	5.10	6.39	7.28	7.74	8.16	8.63	9.70
150°	4.31	5.41	6.47	7.20	7.54	7.85	8.58
Run VMG	3.73	4.69	5.60	6.23	6.57	7.12	7.83
Gybe Angles	144.1°	147.7°	146.8°	149.9°	152.3°	175.9°	177.4°

Class Division Length
CDL = **9.446**

Storm Sails Areas
Heavy Weather Jib **26.85**
Storm Jib (JL=9.17) **9.95**
Storm Trysail **11.42**

Owner
ESQUERRE - HELVIG Didier
2543 Ancienne Route de Trans
83460 - LES ARCS SUR ARGENS

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

BOAT	
Name DIALIX	Sail Nr ESP-10065
File ESP10065	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 13/01/2015	SG 1.0270	
FFM 1.364	FF 1.362	SFFP 0.273
FAM 1.230	FA 1.233	SAFP 10.725
W1 86.0	PD1 551.7	WD 11.300
W2 86.0	PD2 561.3	GSA 1.0
W3 86.0	PD3 571.9	RSA 1.0
W4 86.0	PD4 568.7	PLM 9000.0
LCF from stem on CL / on sheer		5.882 / 6.117
Maximum beam station from stem		7.678
RM Measured		135.9kg·m
RM Default		151.4kg·m
Limit of positive stability / Stab.Index		117.1° / 119.6
Freeboard at mast at 4.050		1.258



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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 13.730	E 4.750	MDT1 0.104	MW 0.189	
IG 14.030	J 3.890	MDL1 0.189	GO 0.209	
ISP 15.420	SFJ 0.160	MDT2 0.104	BD 0.161	
BAS 1.665	SPL	MDL2 0.189	MWT	
FSP 0.076	TPS 4.300	TL	MCG	

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.400	
Type Folding 2 blades	PBW	
Twin Screw No	PIPA 0.0033	
ST1 0.042	ST3 0.180	ST5 0.230
ST2 0.180	ST4 0.112	EDL 1.200

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COMMENTS
2019 CHANGE compare to 2018 : No Spi Pool and NO AS03 Sail Emmagasinieur From:E10065.dxt

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.660	1.28	2.01	3.09	3.97	40.32	41.22	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				
	17.42	15.90	16.66	9.08	8.11	123.37		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
0.39	1.04	1.57	2.48	3.31	4.09	12.67	30.05	Y		22/04/2018	Polyest	
0.11	0.60	1.13	1.80	2.48	3.25	13.89	24.39	Y		10/02/2018	Unknow	

MEASUREMENT INVENTORY				
Measurer ESP 386				
Date 13/01/2015				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
EN	Engine	VOLVO	29 CV	
Id	Item	Weight Description		

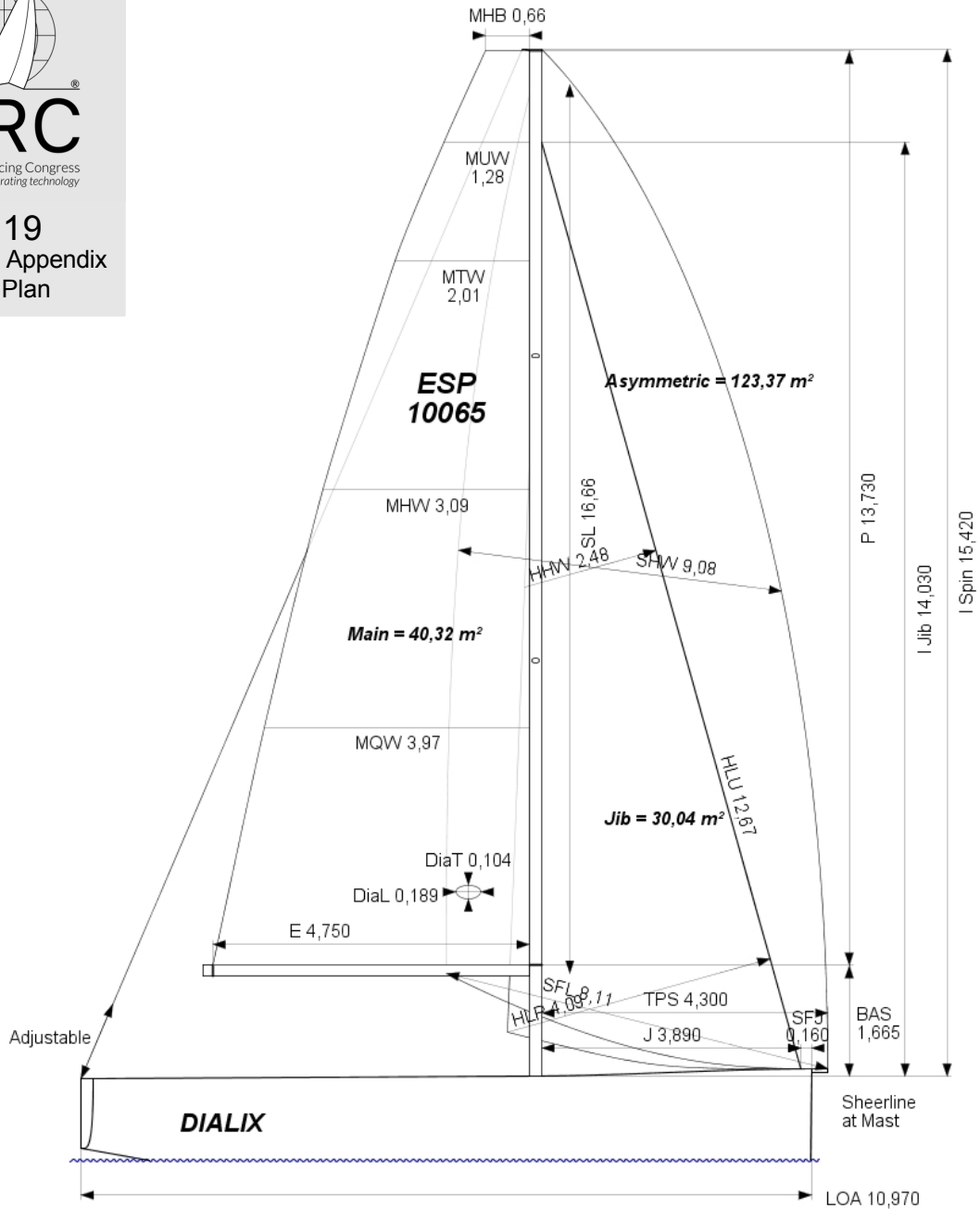
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
GA	Tank	GAS-OIL	PLASTICO	90.0	8.80		20-0
HE	Tank	CALENTAD	METALICO	25.0	8.60		0-0
WA	Tank	AGUA	PLASTICO	100.0	5.40		0-0
WA	Tank	AGUA	PLASTICO	100.0	5.40		0-0
Id	Item	Weight	Distance	VCG Description			
BAT	Battery		7.20	74 Ah			
BAT	Battery		8.90	110 Ah			
BAT	Battery		8.60	110 Ah			



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Sail Plan**



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
MS01	0.66	1.28	2.01	3.09	3.97	40.33		10/02/2018	AMIRI	Unknown						
HEADSAILS (2)																
Id	HHB	HUV	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J-1	0.39	1.04	1.57	2.48	3.31	4.09	12.67	105%	30.05	Y			22/04/2018	AMIRI SAILS	Polyest	
HS01	0.11	0.60	1.13	1.80	2.48	3.25	13.89	84%	24.39	Y			10/02/2018	AMIRI	Unknow	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
AS02	17.42	15.90	16.66	9.08	8.11	123.37	asym		10/02/2018	AMIRI	Nylon					
A-0	17.30	15.60	16.45	9.08	8.11	121.82	asym		22/04/2018	AMIRI SAILS	Nylon					
AS01	17.60	15.66	16.63	8.87	8.36	121.51	asym		10/02/2018	AMIRI	Nylon					