

APH: **549.5**

CDL: **9.454**

GPH: **617.2**

CertNo: **23272a**

#### BOAT

Class **DUFOUR 36 P**  
Designer **FELCI**  
Builder **DUFOUR**  
Age date **02/2012**  
Series date **01/2012**  
Offset file **DUF36E-N.OFF**  
Data file **ESP10065\_23272a**

#### HULL

Length Overall **10.970 m**  
Maximum Beam **3.624 m**  
Draft **2.207 m**  
Displacement **6 422 kg**  
DLR **6.2203**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.240%**  
Age Allowance **0.357%**

#### PROPELLER

Installation **Strut**  
Type **Folding 2 blades**  
Diameter **0.400m**

#### CREW

Maximum weight **699 kg**  
Minimum weight **524 kg** \* when applied  
Non Manual Power **No**  
Crew Arm Extension

#### SAIL AREAS (m<sup>2</sup>)

	Measured	Rated
Mainsail	<b>40.32</b>	<b>41.22</b>
Headsail Luffed	<b>28.23</b>	<b>28.23</b>
Headsail Flying		
Symmetric		
Asymmetric	<b>123.37</b>	<b>123.37</b>

(All asymmetric spinnakers with SHW/SFL > 85%)

#### STORM SAIL AREAS (m<sup>2</sup>)

Trysail **11.42**  
Storm Jib **9.95**  
Heavy Weather Jib **26.85**

#### SAIL LIMITS

Headsails **5**  
Spinnakers **4**

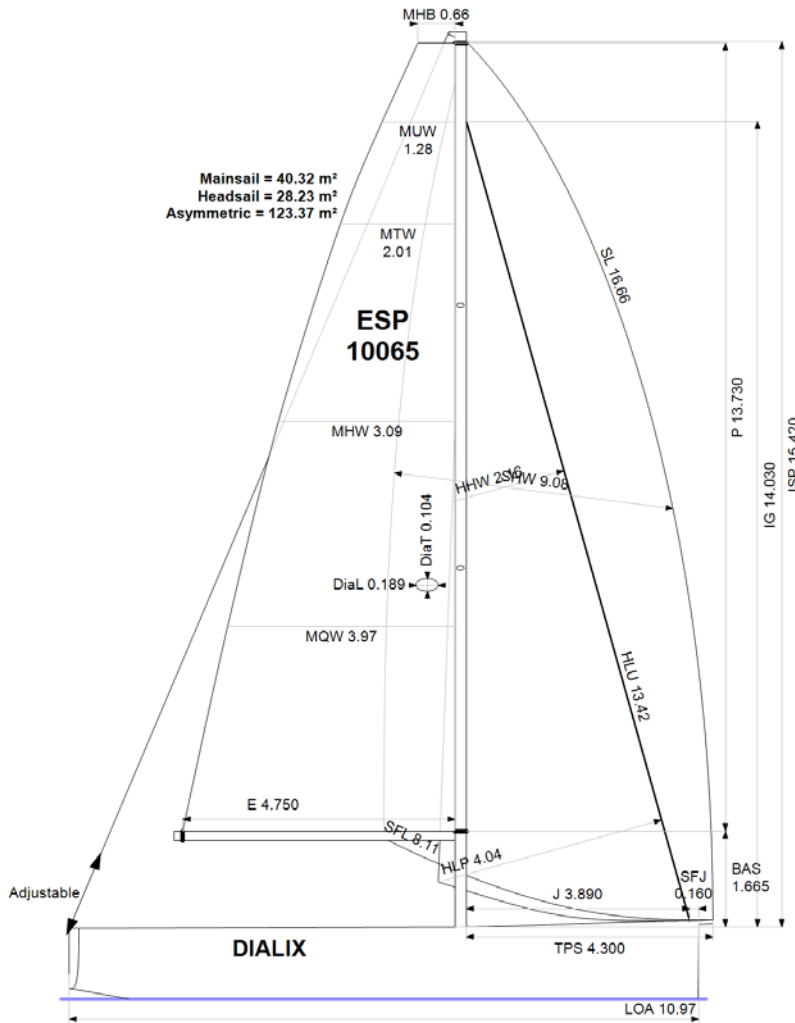
#### STABILITY

Righting Moment **N/A**  
Stability Index **N/A**

#### COMMENTS

2020 Jib Change + FURLER No Spi Pool and NO AS03 Sail DSPL + 472 kg!  
From:E10065.dxt

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



#### Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.6°	41.2°	40.0°	39.0°	38.4°	38.4°	38.7°
Beat VMG	3.36	4.12	4.68	5.01	5.15	5.22	5.24
52°	5.15	6.14	6.80	7.17	7.34	7.42	7.48
60°	5.44	6.40	7.01	7.37	7.55	7.64	7.72
75°	5.61	6.59	7.18	7.53	7.78	7.95	8.13
90°	5.80	6.87	7.40	7.62	7.84	8.10	8.50
110°	5.92	7.06	7.65	8.04	8.31	8.52	8.90
120°	5.77	6.95	7.60	8.06	8.48	8.85	9.37
135°	5.11	6.42	7.29	7.80	8.26	8.72	9.79
150°	4.32	5.48	6.51	7.23	7.62	7.93	8.59
Run VMG	3.75	4.75	5.64	6.26	6.60	7.08	7.84
Gybe Angles	143.9°	147.5°	147.6°	149.6°	150.5°	173.6°	176.3°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1070.6	873.2	769.5	718.3	699.0	689.7	686.5
52°	699.0	586.7	529.3	501.9	490.6	485.4	481.5
60°	662.4	562.3	513.2	488.6	476.6	471.1	466.2
75°	641.4	546.3	501.7	478.2	462.9	452.6	442.6
90°	620.4	523.8	486.6	472.7	459.3	444.6	423.5
110°	607.7	510.2	470.6	447.9	433.3	422.4	404.5
120°	623.5	517.9	473.7	446.8	424.7	406.9	384.1
135°	704.6	560.7	493.8	461.6	436.1	412.9	367.7
150°	832.4	656.8	552.8	498.0	472.6	453.9	419.1
Run VMG	961.2	758.4	638.3	575.1	545.5	508.5	458.9
Selected Courses							
Windward / Leeward	1015.9	815.8	703.9	646.7	622.2	599.1	572.7
All purpose	779.8	637.9	565.2	528.6	509.7	494.6	474.8

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	680.1	0.8822
All purpose	549.5	1.0918

### Custom scoring options for France

Scoring Option	Time On Distance	Time On Time
Triple Number Coastal/Long Distance Low	708.9	0.8464
Triple Number Coastal/Long Distance Medium	545.2	1.1006
Triple Number Coastal/Long Distance High	490.9	1.2222
Triple Number Windward/Leeward Low	915.9	0.6551
Triple Number Windward/Leeward Medium	673.7	0.8906
Triple Number Windward/Leeward High	595.0	1.0084

Data in meters/kilograms (Metric)

### HULL AND APPENDAGES (Lightship Trim)

Class	<b>DUFOUR 36 P</b>	LOA	<b>10.970</b>	VCGD	<b>0.133</b>
Measurement		Max. Beam	<b>3.624</b>	VCGM	<b>0.137</b>
HIN	<b>1650</b>	Draft	<b>2.207</b>	RM Rated (kg·m)	<b>136.1</b>
Plan review		Displacement	<b>6 422</b>	Limit of positive stability(°)	<b>N/A</b>
Hull construction	<b>Solid</b>	Wetted area	<b>27.75</b>	Stability Index	<b>N/A</b>
Carbon Rudder	<b>No</b>	IMS L	<b>10.262</b>		
Light stanchions	<b>No</b>	LSM0	<b>10.106</b>		
Trim tab	<b>No</b>	Acc. length	<b>10.970</b>		
		Sink (kg/mm)	<b>20.86</b>		

### PROPELLER

Propeller Type	<b>Folding 2 blades</b>				
Installation	<b>Strut</b>	PRD	<b>0.400</b>	EDL	<b>1.200</b>
Twin screw	<b>No</b>	PBW		ST1	<b>0.042</b>
Hydro generator	<b>No</b>	PIPA	<b>0.0033</b>	ST2	<b>0.180</b>
				ST3	<b>0.180</b>
				ST4	<b>0.112</b>
				ST5	<b>0.230</b>

### RIG

Forestay tension	<b>Aft</b>	P	<b>13.730</b>	E	<b>4.750</b>
Inner stay	<b>None Fitted</b>	IG	<b>14.030</b>	J	<b>3.890</b>
Carbon mast	<b>No</b>	ISP	<b>15.420</b>	BAS	<b>1.665</b>
Headsail furler	<b>Yes</b>	MDT1	<b>0.104</b>	FSD	<b>0.038</b>
Mainsail furler	<b>No</b>	MDL1	<b>0.189</b>	SFJ	<b>0.160</b>
Articulated bowsprit	<b>No</b>	MDT2	<b>0.104</b>	SPL	
Non-circular rigging	<b>No</b>	MDL2	<b>0.189</b>	WPL	
Fiber rigging	<b>No</b>	TL		TPS	<b>4.300</b>
Runners/Checkstays	<b>0</b>	MW	<b>0.189</b>	BD	<b>0.161</b>
Spreaders	<b>2</b>	GO	<b>0.209</b>	MWT	
Rotating mast	<b>No</b>			MCG	

### FLOTATION AND STABILITY

Calculation method	<b>Poles inclining</b>	SFFP	<b>0.273</b>	SAFP	<b>10.725</b>	W1	<b>86.0</b>	PD1	<b>551.7</b>	WD	<b>11.300</b>
Flotation Date	<b>13/01/2015</b>	FFM		FAM		W2	<b>86.0</b>	PD2	<b>561.3</b>	PLM	<b>9000.00</b>
Measurer	<b>ESP 386</b>	FF	<b>1.362</b>	FA	<b>1.233</b>	W3	<b>86.0</b>	PD3	<b>571.9</b>	GSA	<b>1.0</b>
Comment		LCFcl	<b>5.882</b>	LCFsh	<b>6.127</b>	W4	<b>86.0</b>	PD4	<b>568.7</b>	RSA	<b>1.0</b>
		SG	<b>1.0270</b>	HBI	<b>1.257</b>					RM	<b>135.9</b>

### INVENTORY

TANKS	Id	Description	Sp.Wght	Capacity	Condition	LCG	VCG
	GAS	GAS-OIL PLASTICO	0.9000	90	20	8.80	
	HEAT	CALENTADOR METALICO		25	0	8.60	
	WAT	AGUA PLASTICO		100	0	5.40	
	WAT	AGUA PLASTICO		100	0	5.40	
				<i>Total deductible</i>	<b>18</b>	<b>8.80</b>	
OTHER ITEMS	Id	Kind	Description	Weight	LCG	VCG	
	BAT		Battery 74 Ah		7.20		
	BAT		Battery 110 Ah		8.90		
	BAT		Battery 110 Ah		8.60		
	ENG		Engine VOLVO 29 CV				
				<i>Total deductible</i>			



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**MAINSAIL**

<i><b>Id</b></i>	<i><b>MHB</b></i>	<i><b>MUW</b></i>	<i><b>MTW</b></i>	<i><b>MHW</b></i>	<i><b>MQW</b></i>	<i><b>Area</b></i>	<i><b>Meas.Date</b></i>	<i><b>Comment</b></i>
MS01	0.66	1.28	2.01	3.09	3.97	40.32	10/02/2018	

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**HEADSAIL**

<i><b>Id</b></i>	<i><b>HHB</b></i>	<i><b>HUW</b></i>	<i><b>HTW</b></i>	<i><b>HHW</b></i>	<i><b>HQW</b></i>	<i><b>HLP</b></i>	<i><b>HLU</b></i>	<i><b>Btn</b></i>	<i><b>Flying FT</b></i>	<i><b>Area</b></i>	<i><b>Meas.Date</b></i>	<i><b>Comment</b></i>
G 1		0.58	1.15	2.16	3.10	4.04	13.42	Yes	No	28.23	08/04/2020	
HS01	0.11	0.60	1.13	1.80	2.48	3.25	13.89	Yes	No	24.38	10/02/2018	

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**ASYMMETRIC SPINNAKER**

<i><b>Id</b></i>	<i><b>SLU</b></i>	<i><b>SLE</b></i>	<i><b>SL</b></i>	<i><b>SHW</b></i>	<i><b>SFL</b></i>	<i><b>Ratio</b></i>	<i><b>Area</b></i>	<i><b>Meas.Date</b></i>	<i><b>Comment</b></i>
AS02	17.42	15.90	16.66	9.08	8.11	112%	123.37	10/02/2018	
A-0	17.30	15.60	16.45	9.08	8.11	112%	121.81	22/04/2018	
AS01	17.60	15.66	16.63	8.87	8.36	106%	121.51	10/02/2018	