

APH ToD: **553,5** CDL: **7,508**

APH ToT: **1,0841** CertNo: **25/2**

#### Yacht

Modello **Melges 24**  
Progettista **Reichel/Pugh**  
Cantiere **Rowen**  
Data del varo  
Data della serie **12/1992**  
File scafo **melg24.od.off**  
File dati **122M24**

#### Scafo

Loa **7,509 m**  
Baglio massimo **2,490 m**  
Pescaggio **1,525 m**  
Dislocamento **821 kg**  
DLR **2,7391**  
Categoria IMS **Sportboat**  
Abbuono dinamico **0,000%**  
Abbuono per età **0,487%**  
IMS L **7,260**

#### Installazione dell'elica

Tipo installazione **No Propeller**  
Tipo elica **N/D**  
Diametro **N/D**

#### Peso equipaggio

Peso massimo **390 kg** (declared)  
Peso minimo **260 kg** \* *quando applicabile*

Energia imm. **No**  
CEXT **Loose or no lifelines**

#### Superficie velica (m<sup>2</sup>)

	Misurato	Calcolato
Randa	<b>21,41</b>	<b>22,37</b>
Fiocco inferito	<b>11,67</b>	<b>11,67</b>
Fiocco non inferito		
Simmetrico		
Asimmetrico	<b>53,15</b>	<b>53,15</b>

(Asimmetrici con SHL/SFL>85%)

#### Area vele di sicurezza (m<sup>2</sup>)

Randa di cappa **5,87**  
Tormentina **3,72**  
Fiocco tempo duro **10,04**

#### Limitazioni delle vele

Fiocchi **5** \* *One set on the forestay*  
Spinnakers **4**

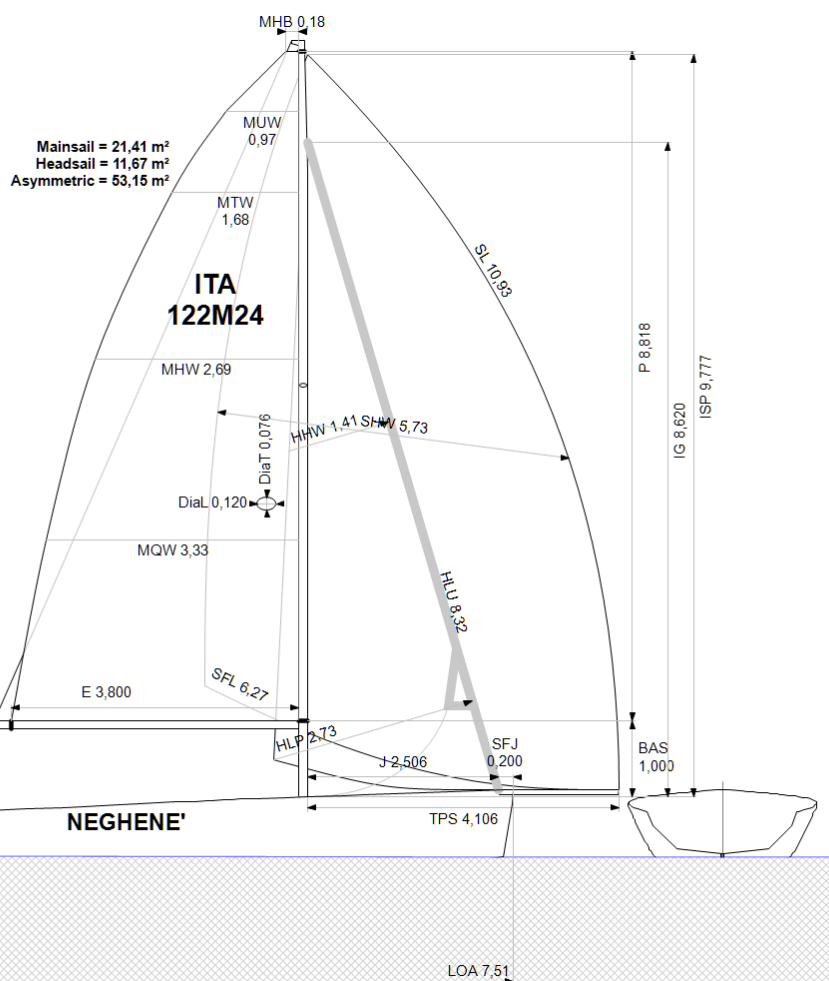
#### Stabilità

Mom. raddrizzante **N/A**  
Indice di stabilità **N/A**

#### Armatore

Beretta Enea Y.C.Domaso-C.V.del Lario

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#### Velocità stimata (nodi)

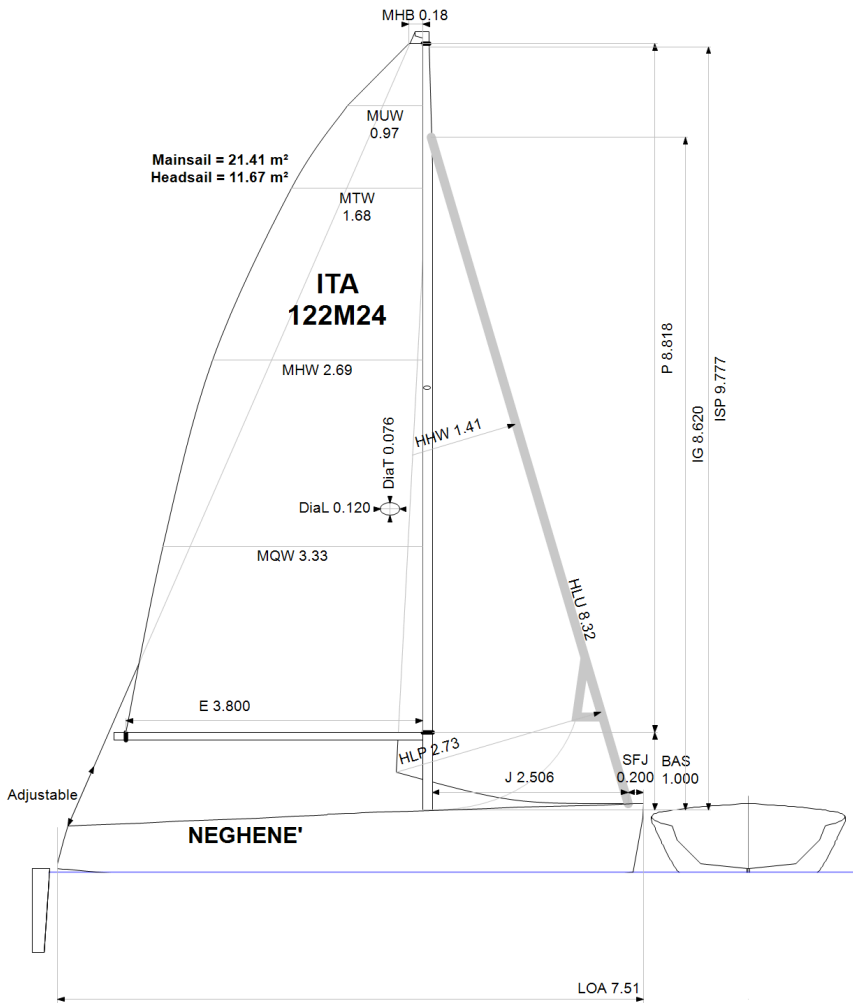
Vel.vento	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Miglior angolo	44,1°	44,1°	41,7°	39,3°	38,0°	37,8°	38,0°	38,4°	39,8°
VMG bolina	2,43	3,36	4,08	4,56	4,75	4,82	4,85	4,89	4,79
52°	3,85	5,16	6,04	6,52	6,78	6,92	7,02	7,15	7,12
60°	4,16	5,45	6,25	6,74	7,12	7,30	7,44	7,61	7,65
75°	4,37	5,64	6,39	6,97	7,57	7,93	8,19	8,55	8,75
90°	4,31	5,70	6,58	7,06	7,64	8,43	8,98	9,69	10,18
110°	4,43	5,83	6,80	7,71	8,38	8,95	9,51	10,80	12,41
120°	4,30	5,70	6,68	7,63	8,72	9,55	10,25	11,69	13,24
135°	3,71	5,13	6,23	7,04	7,98	9,16	10,54	13,48	15,17
150°	3,01	4,31	5,44	6,28	7,02	7,84	8,85	12,28	15,46
VMG poppa	2,61	3,74	4,71	5,46	6,08	6,79	7,67	10,64	13,39
Strambata	142,9°	142,9°	147,6°	151,9°	150,3°	146,6°	145,3°	141,3°	146,5°

Tabella dei compensi (sec/miglio)									
Vel.vento	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
VMG bolina	1479,5	1072,6	882,3	789,1	758,3	747,2	742,5	736,8	751,5
52°	935,5	698,1	595,7	552,6	531,0	519,9	512,7	503,8	505,7
60°	866,2	660,5	575,6	533,8	505,7	493,0	483,8	472,8	470,5
75°	824,5	638,0	563,3	516,9	475,8	453,8	439,6	421,2	411,4
90°	834,6	631,2	546,9	509,7	471,1	427,1	401,0	371,5	353,5
110°	812,5	617,8	529,7	466,6	429,6	402,0	378,6	333,4	290,1
120°	837,9	631,9	538,7	471,6	413,0	377,0	351,1	307,8	271,9
135°	970,6	702,1	577,8	511,5	451,0	393,1	341,6	267,0	237,4
150°	1195,8	834,4	661,3	572,8	512,7	459,2	406,7	293,2	232,9
VMG poppa	1379,0	963,5	763,6	659,7	591,9	530,3	469,6	338,5	268,9
Percorsi predefiniti									
Bolina/Poppa	1428,4	1018,0	823,0	724,4	675,1	638,7	606,1	537,7	510,2
Compenso generico	1069,5	782,6	650,4	581,4	539,0	507,1	481,3	435,5	414,1

Opzioni di compenso singolo		
Percorso	Time On Distance	Time On Time
Bolina/Poppa	695,8	0,8623
Compenso generico	553,5	1,0841

APH ToD: **598.3** CDL: **7.129**

APH ToT: **1.0029** CertNo: **25/1**



#### BOAT

Class **Melges 24**  
Designer **Reichel/Pugh**  
Builder **Rowen**  
Age date  
Series date **12/1992**  
Offset file **melg24.od.off**  
Data file **122M24**

#### HULL

Length Overall **7.509 m**  
Maximum Beam **2.490 m**  
Draft **1.525 m**  
Displacement **821 kg**  
DLR **2.7391**  
IMS Division **Sportboat**  
Dynamic Allowance **0.090%**  
Age Allowance **0.487%**

#### PROPELLER

Installation **No Propeller**  
Type **N/A**  
Diameter **N/A**

#### CREW

Maximum weight **250 kg** (declared)  
Minimum weight **130 kg** \* when applied  
Non Manual Power **No**  
Crew Arm Extension **Loose or no lifelines**

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

	Measured	Rated
Mainsail	<b>21.41</b>	<b>22.37</b>
Headsail Luffed	<b>11.67</b>	<b>11.67</b>

Headsail Flying  
Symmetric  
Asymmetric

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

Trysail **5.87**  
Storm Jib **3.72**  
Heavy Weather Jib **10.04**

#### SAIL LIMITS

Headsails **1** \* One set on the forestay  
\* Zero set flying  
Spinnakers **0** \* No spinnaker pole aboard

#### STABILITY

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

*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	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	43.5°	43.5°	40.8°	39.1°	39.5°	39.7°	39.8°	40.5°	43.0°
Beat VMG	2.47	3.44	4.17	4.44	4.54	4.57	4.61	4.58	4.37
52°	3.94	5.28	6.13	6.42	6.55	6.63	6.72	6.75	6.59
60°	4.27	5.57	6.34	6.70	6.88	7.00	7.10	7.18	7.07
75°	4.55	5.79	6.49	7.10	7.41	7.63	7.81	8.01	8.06
90°	4.44	5.72	6.47	7.15	7.85	8.26	8.60	9.08	9.39
110°	3.71	5.09	6.12	6.78	7.54	8.51	9.40	10.49	11.28
120°	3.33	4.72	5.86	6.54	7.21	8.07	9.10	11.37	12.70
135°	2.78	4.04	5.19	6.06	6.65	7.30	8.10	10.06	13.41
150°	2.30	3.39	4.44	5.36	6.09	6.62	7.20	8.63	10.48
Run VMG	2.00	2.94	3.84	4.71	5.53	6.19	6.74	7.99	9.57
Gybe Angles	145.3°	145.3°	147.4°	171.7°	173.7°	177.2°	176.8°	176.6°	175.8°

Time Allowances in secs/NM									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1459.5	1045.4	862.6	810.4	793.6	787.1	780.6	785.7	824.4
52°	913.3	682.4	587.2	561.0	549.7	542.7	536.1	533.5	546.6
60°	842.6	646.0	568.2	537.6	523.2	513.9	507.1	501.1	509.3
75°	791.7	621.5	554.6	507.2	485.9	471.8	461.1	449.5	446.7
90°	811.3	629.9	556.3	503.7	458.9	435.7	418.7	396.5	383.2
110°	970.3	707.2	588.2	530.8	477.8	423.1	383.1	343.2	319.2
120°	1082.4	762.4	614.5	550.5	499.6	446.0	395.6	316.6	283.4
135°	1294.7	890.5	694.1	593.8	541.3	493.0	444.2	357.9	268.4
150°	1567.0	1061.0	811.4	672.2	591.6	543.7	500.3	417.1	343.7
Run VMG	1803.8	1225.1	936.9	764.8	651.5	581.9	534.5	450.6	376.1
Selected Courses									
Windward / Leeward	1631.3	1135.3	899.7	787.6	722.5	684.5	657.5	618.2	600.2
All purpose	1194.1	855.9	698.6	624.2	579.9	549.5	524.3	488.9	469.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	754.6	0.7951
All purpose	598.3	1.0029

Data in meters/kilograms (Metric)

**HULL AND APPENDAGES (Lightship Trim)**

Class	<b>Melges 24</b>	LOA	<b>7.509</b>	VCGD	<b>0.040</b>
Measurement	<b>01/04/1998</b>	Max. Beam	<b>2.490</b>	VCGM	<b>0.020</b>
HIN		Draft	<b>1.525</b>	RM Rated (kg·m)	<b>25.1</b>
Plan review		Displacement	<b>821</b>	Limit of positive stability(°)	<b>N/A</b>
Hull construction	<b>Cored</b>	Wetted area	<b>10.31</b>	Stability Index	<b>N/A</b>
Carbon rudder	<b>No</b>	IMS L	<b>7.176</b>	Default crew weight	<b>388</b>
Light stanchions	<b>No</b>	LSM0	<b>6.692</b>	Declared crew weight	<b>250</b>
Trim tab	<b>No</b>	Acc. length	<b>7.509</b>		
		Sink (kg/mm)	<b>8.78</b>		

**PROPELLER**

Propeller Type	<b>No Propeller</b>
Hydro generator	<b>No</b>

**RIG**

Forestay tension	<b>Aft</b>	P	<b>8.818</b>	E	<b>3.800</b>
Inner stay	<b>None Fitted</b>	IG	<b>8.620</b>	J	<b>2.506</b>
Mast material	<b>Aluminum</b>	ISP	<b>9.777</b>	BAS	<b>1.000</b>
Single headsail furler	<b>Yes</b>	MDT1	<b>0.076</b>	FSD	<b>No Foil</b>
Mainsail furler	<b>No</b>	MDL1	<b>0.120</b>	SFJ	<b>0.200</b>
Articulated bowsprit	<b>No</b>	MDT2	<b>0.062</b>	SPL	
Non-circular rigging	<b>No</b>	MDL2	<b>0.075</b>	WPL	
Fiber rigging	<b>No</b>	TL	<b>1.578</b>	TPS	
Adjustable mast foot	<b>No</b>	MW	<b>0.114</b>	BD	<b>0.103</b>
Running backstays	<b>0</b>	GO	<b>0.114</b>	MWT	
Checkstays	<b>0</b>			MCG	
Spreaders	<b>1</b>				
Rotating mast	<b>No</b>				

**FLOTATION AND STABILITY**

Calculation method	<b>Poles inclining</b>	W1	<b>18.5</b>	PD1	<b>427.9</b>	WD	<b>7.400</b>
Flotation Date	<b>16/03/2017</b>	W2	<b>18.5</b>	PD2	<b>432.4</b>	PLM	<b>9000.00</b>
		W3	<b>18.5</b>	PD3	<b>428.3</b>	GSA	<b>1.0</b>
		W4	<b>18.5</b>	PD4	<b>436.5</b>	RSA	<b>1.0</b>
						RM	<b>25.0</b>

**INVENTORY**

<b>OTHER ITEMS</b>	<b>Id</b>	<b>Kind</b>	<b>Description</b>	<b>Weight</b>	<b>LCG</b>	<b>VCG</b>
	1	Engine	MIN 12kg OUTBOARD			

*Total deductible*



Non Spin/HSF  
Club Certificate  
2025

NEGHENE'  
ITA-122M24

FEDERAZIONE ITALIANA VELA  
Distr.:UVAI [www.uvai.it](http://www.uvai.it)  
Tel. + 39068841273  
E-mail [segreteria@uvai.it](mailto:segreteria@uvai.it)



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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>
A	0.18	0.97	1.68	2.69	3.33	21.41	24/03/2025	

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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>
H	0.05	0.40	0.76	1.41	2.07	2.73	8.32	Yes	No	11.67	24/03/2025	

APH ToD: **568.9** CDL: **6.752**  
APH ToT: **1.0547** CertNo: **25/1**

#### BOAT

Class **Melges 24**  
Designer **Reichel/Pugh**  
Builder **Rowen**  
Age date  
Series date **12/1992**  
Offset file **melg24.od.off**  
Data file **122M24**

#### HULL

Length Overall **7.509 m**  
Maximum Beam **2.490 m**  
Draft **1.525 m**  
Displacement **821 kg**  
DLR **2.7391**  
IMS Division **Sportboat**  
Dynamic Allowance **0.000%**  
Age Allowance **0.487%**

#### PROPELLER

Installation **No Propeller**  
Type **N/A**  
Diameter **N/A**

#### CREW

Maximum weight **170 kg** (declared)  
Minimum weight **120 kg** \* when applied  
Non Manual Power **No**  
Crew Arm Extension **Loose or no lifelines**

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

	Measured	Rated
Mainsail	<b>21.41</b>	<b>22.37</b>
Headsail Luffed	<b>11.67</b>	<b>11.67</b>
Headsail Flying		
Symmetric		
Asymmetric	<b>53.15</b>	<b>53.15</b>

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

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

Trysail **5.87**  
Storm Jib **3.72**  
Heavy Weather Jib **10.04**

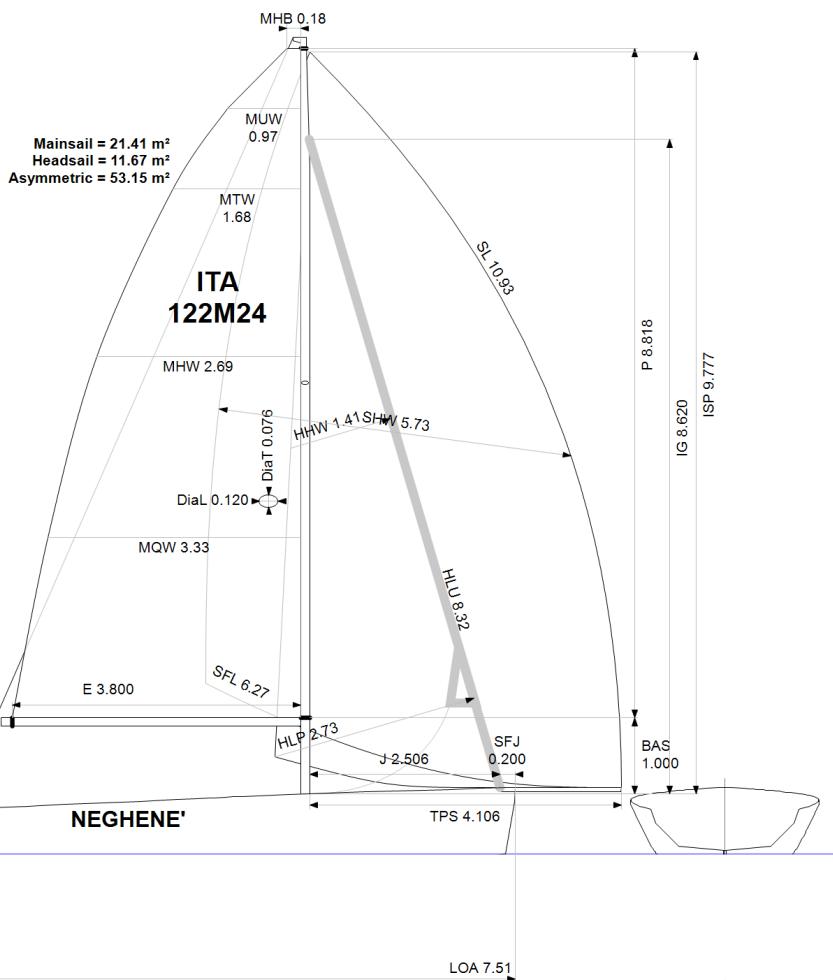
#### SAIL LIMITS

Headsails **5** \* One set on the forestay  
Spinnakers **4**

#### STABILITY

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

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#### Rated boat velocities in knots

Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	43.6°	43.6°	40.7°	40.1°	41.1°	41.3°	41.3°	42.7°	46.3°
Beat VMG	2.60	3.50	4.09	4.26	4.32	4.36	4.38	4.27	3.95
52°	4.09	5.34	6.05	6.24	6.34	6.41	6.46	6.41	6.16
60°	4.36	5.63	6.30	6.51	6.65	6.74	6.82	6.81	6.61
75°	4.53	5.84	6.56	6.94	7.17	7.34	7.46	7.56	7.51
90°	4.50	5.78	6.54	7.23	7.65	7.96	8.21	8.56	8.76
110°	4.54	5.95	6.82	7.34	7.82	8.39	9.07	9.91	10.51
120°	4.39	5.86	6.88	7.66	8.26	8.85	9.41	10.45	11.40
135°	3.89	5.32	6.41	7.36	8.55	9.66	10.47	12.06	13.57
150°	3.11	4.46	5.62	6.46	7.34	8.40	9.69	12.99	15.48
Run VMG	2.69	3.86	4.87	5.61	6.35	7.28	8.39	11.25	13.78
Gybe Angles	142.2°	142.2°	147.5°	152.1°	148.5°	145.3°	142.5°	148.2°	152.4°

Time Allowances in secs/NM									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1384.2	1028.3	880.7	844.7	833.3	826.3	821.2	842.6	910.8
52°	880.3	674.0	595.4	576.6	567.8	561.5	557.4	562.0	584.2
60°	825.9	639.6	571.3	552.8	541.7	533.8	528.2	528.9	544.8
75°	795.3	616.7	548.4	518.5	502.4	490.6	482.3	476.2	479.7
90°	800.1	623.3	550.5	497.8	470.8	452.5	438.7	420.6	410.7
110°	792.6	604.9	528.0	490.3	460.2	429.2	397.0	363.3	342.5
120°	819.9	614.8	523.1	470.0	435.8	406.9	382.6	344.4	315.9
135°	924.4	677.1	561.7	489.0	421.2	372.8	344.0	298.6	265.3
150°	1158.9	807.5	640.6	557.2	490.7	428.4	371.7	277.1	232.5
Run VMG	1336.6	932.4	739.8	641.8	566.7	494.6	429.2	319.9	261.2
Selected Courses									
Windward / Leeward	1358.6	980.4	810.2	743.3	700.0	660.5	625.2	581.3	586.0
All purpose	1020.4	756.9	641.9	591.9	558.7	530.7	507.2	479.9	479.7

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	712.4	0.8423
All purpose	568.9	1.0547



Data in meters/kilograms (Metric)

**HULL AND APPENDAGES (Lightship Trim)**

Class	<b>Melges 24</b>	LOA	<b>7.509</b>	VCGD	<b>0.040</b>
Measurement	<b>01/04/1998</b>	Max. Beam	<b>2.490</b>	VCGM	<b>0.020</b>
HIN		Draft	<b>1.525</b>	RM Rated (kg·m)	<b>25.1</b>
Plan review		Displacement	<b>821</b>	Limit of positive stability(°)	<b>N/A</b>
Hull construction	<b>Cored</b>	Wetted area	<b>10.31</b>	Stability Index	<b>N/A</b>
Carbon rudder	<b>No</b>	IMS L	<b>7.082</b>	Default crew weight	<b>170</b>
Light stanchions	<b>No</b>	LSM0	<b>6.692</b>	Declared crew weight	<b>170</b>
Trim tab	<b>No</b>	Acc. length	<b>7.509</b>		
		Sink (kg/mm)	<b>8.78</b>		

**PROPELLER**

Propeller Type	<b>No Propeller</b>
Hydro generator	<b>No</b>

**RIG**

Forestay tension	<b>Aft</b>	P	<b>8.818</b>	E	<b>3.800</b>
Inner stay	<b>None Fitted</b>	IG	<b>8.620</b>	J	<b>2.506</b>
Mast material	<b>Aluminum</b>	ISP	<b>9.777</b>	BAS	<b>1.000</b>
Single headsail furler	<b>Yes</b>	MDT1	<b>0.076</b>	FSD	<b>No Foil</b>
Mainsail furler	<b>No</b>	MDL1	<b>0.120</b>	SFJ	<b>0.200</b>
Articulated bowsprit	<b>No</b>	MDT2	<b>0.062</b>	SPL	
Non-circular rigging	<b>No</b>	MDL2	<b>0.075</b>	WPL	
Fiber rigging	<b>No</b>	TL	<b>1.578</b>	TPS	<b>4.106</b>
Adjustable mast foot	<b>No</b>	MW	<b>0.114</b>	BD	<b>0.103</b>
Running backstays	<b>0</b>	GO	<b>0.114</b>	MWT	
Checkstays	<b>0</b>			MCG	
Spreaders	<b>1</b>				
Rotating mast	<b>No</b>				

**FLOTATION AND STABILITY**

Calculation method	<b>Poles inclining</b>	W1	<b>18.5</b>	PD1	<b>427.9</b>	WD	<b>7.400</b>
Flotation Date	<b>16/03/2017</b>	W2	<b>18.5</b>	PD2	<b>432.4</b>	PLM	<b>9000.00</b>
		W3	<b>18.5</b>	PD3	<b>428.3</b>	GSA	<b>1.0</b>
		W4	<b>18.5</b>	PD4	<b>436.5</b>	RSA	<b>1.0</b>
						RM	<b>25.0</b>

**INVENTORY**

<b>OTHER ITEMS</b>	<b>Id</b>	<b>Kind</b>	<b>Description</b>	<b>Weight</b>	<b>LCG</b>	<b>VCG</b>
	1	Engine	MIN 12kg OUTBOARD			

*Total deductible*

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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>
A	0.18	0.97	1.68	2.69	3.33	21.41	24/03/2025	

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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>
H	0.05	0.40	0.76	1.41	2.07	2.73	8.32	Yes	No	11.67	24/03/2025	

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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>
A	11.55	10.30	10.93	5.73	6.27	91%	53.15	24/03/2025	
B	11.48	9.95	10.72	5.85	6.24	94%	52.93	24/03/2025	