



ORC

Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



Certificate
Number **00166**
Issued On **23/06/2020**
ORC Ref **03420000L81**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	634kg
Maximum	500kg
Minimum*	375kg

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

Special Scoring

ToD	ToT
Non Spin GPH 698.0	0.8596
Non Spin OSN 675.2	0.8886

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes** **84.45**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

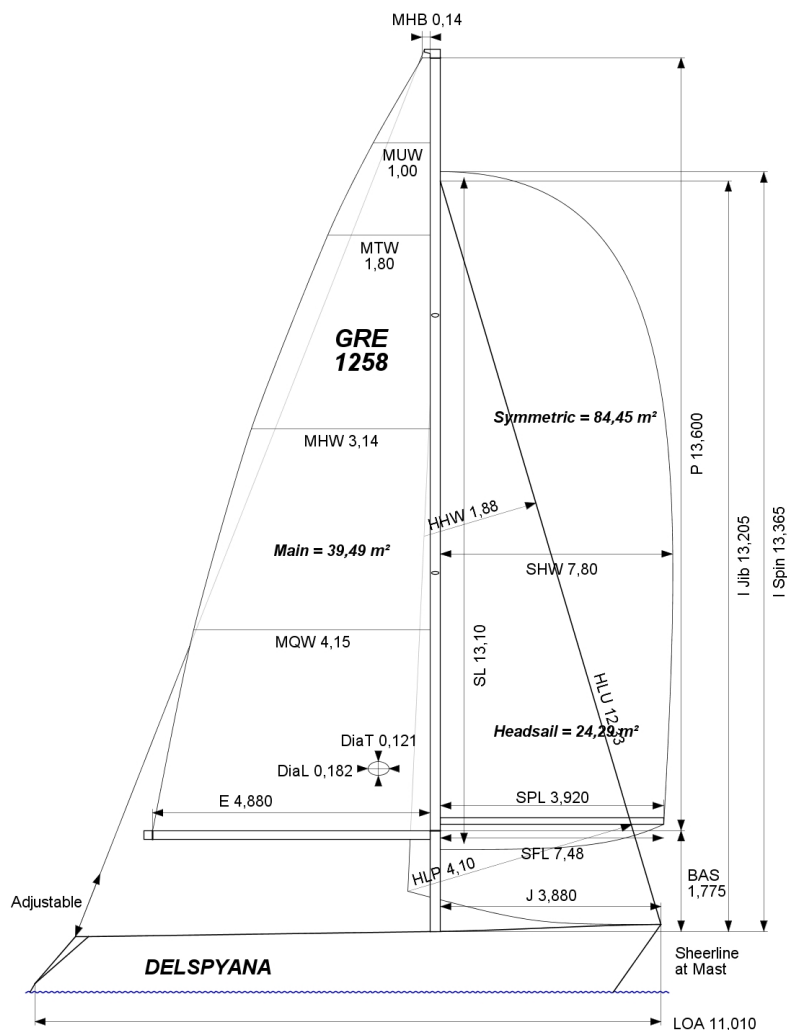
Class Division Length

CDL = 8.416

Stability (Measured)

Limit Positive Stab.: **113.0°**
Stability Index: **115.9**

Owner



BOAT Name DELSPYANA Sail Nr GRE-1258		GPH 662.2	HULL Data File GR1258 LOA 11.010m Offset File G1130.BOF MB 3.506m Displacement 6,319kg Draft 1.865m					
CLASS Class DEHLER 36 CWS Designer VAN DE STADT Builder DEHLER Series 01/1989 Age Date Age Allowance 0.487%			IMS Division Cruiser/Racer Dynamic All. 0.274% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			IMSL 9.483m VCGD 0.068m Sink 19.78kg/mm RL 7.355m VCGM 0.039m WS 26.52m² LSM0 9.444m Displacement/Length ratio 7.5021		
COMMENTS Freeboards raised by 6,24 mm due to fuel tank full 150 Ltr			Water Ballast 0 Trim Tab No BLR Index 0.0000					
PROPELLER Installation Shaft exposed PRD 0.422 Type Folding 2 blades PBW 0.101 PIPA 0.0051			CENTERBOARD NA					
SCORING OPTIONS								
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD				
Time on Distance	642.3			717.1				
Time on Time	0.9341			0.9413				
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	771.1	583.6	513.9	1003.3	724.8	614.3		
Time on Time	0.8754	1.1567	1.3134	0.6728	0.9313	1.0988		

BOAT	
Name DELSPYANA	Sail Nr GRE-1258
File GR1258	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining		Flotation date 09/05/1991 SG 1.0350	
FFM 1.163	FF 1.180	SFFP 0.691	
FAM 0.973	FA 0.977	SAFP 10.062	
W1 85.0	PD1 230.0	WD 11.300	
W2 85.0	PD2 230.0	GSA 50.3	
W3 85.0	PD3 230.0	RSA 5805.8	
W4 85.0	PD4 230.0	PLM 2100.0	
LCF from stem on CL / on sheer		5.952 / 6.203	
Maximum beam station from stem		6.240	
RM Measured		152.2kg-m	
RM Default		140.5kg-m	
Limit of positive stability / Stab.Index		113.0° / 115.9	
Freeboard at mast at 3.880		1.067	



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2020
Measurements
Datasheet


RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners/Checkstays 0		
Carbon Mast No	Jib Furler Yes		
Fiber Rigging No	Main Furler No		
Non-Circular Rigging No			
Articulated Bowsprit No			
P 13.600	E 4.880	MDT1 0.121	MW 0.182
IG 13.205	J 3.880	MDL1 0.182	GO 0.252
ISP 13.365	SFJ 0.000	MDT2 0.121	BD 0.162
BAS 1.775	SPL 3.920	MDL2 0.182	MWT
FSD 0.028	TPS	TL 0.000	MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.422		
Type Folding 2 blades	PBW 0.101		
Twin Screw No	PIPA 0.0051		
PSA 19.100	PHL 0.153	ST3 0.130	ESL 1.130
PSD 0.030	ST1 0.042	ST4 0.062	
PHD 0.055	ST2 0.130	ST5 0.235	

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COMMENTS	
Freeboards raised by 6,24 mm due to fuel tank full 150 Ltr	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0.14	1.00	1.80	3.14	4.15	39.50					* Copied from legacy					
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.03	0.50	0.94	1.88	2.95	4.10	12.33	106%	24.29		No		13/07/2017	ZOUGANELI	Dacron	
4	0.10	0.57	1.04	2.02	3.03	4.05	11.27	104%	22.99	Y	No		24/07/2018	KAFETZIDA	Unknow	
1	0.03	0.24	0.61	1.24	2.04	3.08	12.27	79%	16.82		No		19/05/2015	PLATON	Dacron	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	13.10	13.10	13.10	7.80	7.48	84.46		06/05/2019	UNKNOWN	Unknown						
1	12.27	12.27	12.27	6.88	6.80	70.19		21/05/2014		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

MEASUREMENT INVENTORY				
Measurer GRE-31				
Date 13/07/2007				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
2a	Anchor	90.0	0.30	BRUCE 9 kgf &
2b	Anchor	8.0	10.18	BRUCE
4	Tools	15.0	4.18	
Id	Item	Maker	Model	
5	Engine	YANMAR	3GM 27 Hp	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
6a	Tank	WATER	PLASTIC	250.0	5.78			0.0 EMPTY
6b	Tank	FUEL	INOX	150.0	8.58			150.0 FULL
Id	Item	Weight	Distance	VCG Description				
3a	Battery	83.0	4.18	2 x 170 Ah				
3b	Battery	24.0	4.18	1 x 88 Ah				
9a	Misc	45.0	11.00	LIFERAFT				
9b	Misc	9.6	2.80	BOILER				
9c	Misc	16.0	0.40	WINDLASS				
9d	Misc	10.0	8.58	BOILER				

2020

ORC Club Certificate Appendix

BOAT			
Name	DELSPYANA	Certificate Number	00166
Sail Nr	GRE-1258	Issued On	23/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1176.9	972.4	858.2	778.6	736.3	723.8	722.8
52°	758.4	640.3	569.4	530.1	512.6	506.3	503.3
60°	712.6	605.6	545.0	515.3	499.9	492.0	487.8
75°	680.7	579.0	527.8	503.9	488.3	476.3	463.0
90°	667.4	557.4	508.1	488.0	479.5	469.6	444.0
110°	660.5	547.9	502.0	478.0	457.3	441.1	423.4
120°	681.5	561.6	507.9	482.1	460.0	438.6	406.8
135°	755.0	615.8	534.1	498.2	475.5	453.7	412.9
150°	901.0	713.1	601.5	531.6	498.8	477.3	436.7
Run VMG	1040.4	823.4	694.1	606.4	547.1	508.5	465.7
Selected Courses							
Windward / Leeward	1108.6	897.9	776.1	692.5	641.7	616.2	594.3
Circular Random	921.9	740.6	641.9	583.7	547.9	525.1	498.6
Coastal / Long Distance	1101.8	840.2	694.8	602.7	555.2	523.8	475.0
Non Spinnaker	988.7	786.9	675.6	609.2	567.9	541.7	512.5

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	45.0°	42.8°	42.0°	41.6°	40.1°	39.8°	39.8°
Beat VMG	3.06	3.70	4.20	4.62	4.89	4.97	4.98
52°	4.75	5.62	6.32	6.79	7.02	7.11	7.15
60°	5.05	5.94	6.61	6.99	7.20	7.32	7.38
75°	5.29	6.22	6.82	7.14	7.37	7.56	7.78
90°	5.39	6.46	7.08	7.38	7.51	7.67	8.11
110°	5.45	6.57	7.17	7.53	7.87	8.16	8.50
120°	5.28	6.41	7.09	7.47	7.83	8.21	8.85
135°	4.77	5.85	6.74	7.23	7.57	7.93	8.72
150°	4.00	5.05	5.99	6.77	7.22	7.54	8.24
Run VMG	3.46	4.37	5.19	5.94	6.58	7.08	7.73
Gybe Angles	145.5°	150.0°	151.0°	157.0°	180.0°	180.0°	180.0°