



World Leader in Rating Technology

2018 ORC Club Certificate

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



Certificate
 Number **F00954**
 Issued On **31/3/2018**
 ORC Ref **GRE01009348**
 VPP Ver. **2018 1.00**
 Valid until **28/2/2019**

Crew Weight

Default	646kg
Maximum	640kg
Minimum*	480kg

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

Special Scoring

ToD	ToT
Non Spin GPH 681,2	0,8808
Non Spin OSN 657,7	0,9123

Sails Limitations

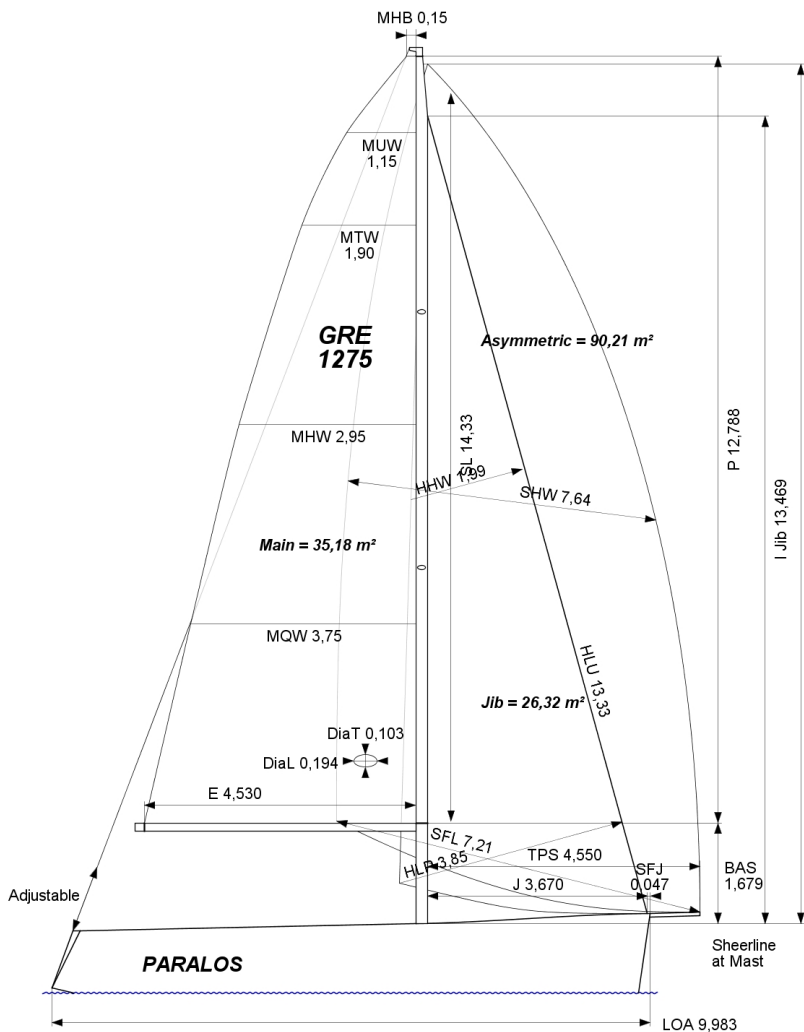
Headsails **5** Spinnakers **3**

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 90,21**
 Flying H/S: **No**
 Spin. Pole: **No**

Class Division Length
 CDL = **8,855**

Stability (Measured)
 Limit Positive Stab.: **114,7°**
 Stability Index: **115,2**

Owner



BOAT Name PARALOS Sail Nr GRE-1275	GPH 642,6	HULL Data File GR1275 LOA 9,983m Offset File ELAN340.OFF MB 3,466m Displacement 5.172kg Draft 2,057m
CLASS Class ELAN 340 Designer R. HUMPHREYS Builder ELAN Series 01/2006 Age Date 01/2007 Age Allowance 0,390%	IMS Division Cruiser/Racer Dynamic All. 0,222% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No	
COMMENTS	IMSL 9,542m VCGD 0,162m Sink 17,71kg/mm RL 8,167m VCGM 0,102m WS 23,38m² LSM0 9,566m Displacement/Length ratio 5,9084	
PROPELLER Installation Strut PRD 0,404 Type Folding 2 blades PBW 0,120 PIPA 0,0037	Water Ballast 0 Trim Tab No BLR Index 0,0000	
SCORING OPTIONS	CENTERBOARD N/A	
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	624,6	698,9
Time on Time	0,9605	0,9659
Triple Number	Low Medium High	Low Medium High
Time on Distance	731,6 569,8 514,3	941,0 702,1 616,5
Time on Time	0,9226 1,1846 1,3124	0,7173 0,9614 1,0949

BOAT	
Name PARALOS	Sail Nr GRE-1275
File GR1275	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 27/04/2013	SG 1,0210	
FFM 1,312	FF 1,311	SFFP 0,360
FAM 1,039	FA 1,044	SAFP 9,513
W1 65,1	PD1 252,0	WD 10,244
W2 65,1	PD2 252,0	GSA 41,9
W3 65,1	PD3 252,0	RSA 6082,1
W4 65,1	PD4 252,0	PLM 2110,0
LCF from stem on CL / on sheer		5,598 / 5,854
Maximum beam station from stem		6,210
RM Measured		97,0kg·m
RM Default		104,0kg·m
Limit of positive stability / Stab.Index		114,7° / 115,2
Freeboard at mast at 3,717		1,156



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2018 Measurements Datasheet

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 12,788	E 4,530	MDT1 0,103	MW 0,194
IG 13,469	J 3,670	MDL1 0,194	GO 0,209
ISP 14,339	SFJ 0,047	MDT2 0,103	BD 0,142
BAS 1,679	SPL 0,114	MDL2 0,114	MWT 0,114
FSP 0,062	TPS 4,550	TL 0,998	MCG

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0,404	
Type Folding 2 blades	PBW 0,120	
Twin Screw No	PIPA 0,0037	
ST1 0,065	ST3 0,180	ST5 0,300
ST2 0,180	ST4 0,110	EDL 2,370

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,150	1,15	1,90	2,95	3,75	35,17		18/12/2016	ZOUGANELI	Pentex						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
3	0,09	0,55	1,05	1,99	2,92	3,85	13,33	105%	26,32	Y			12/05/2015	ZOUGANELI	Polyest	No 1 LIGHT
2	0,08	0,51	0,97	1,91	2,90	3,92	12,74	107%	24,78	Y			28/03/2013	ZOUGANELI	Pentex	HIGH TACK
1	0,08	0,49	0,94	1,87	2,84	3,84	13,02	105%	24,76	Y			06/02/2011	ZOUGANELI	Pentex	No 1
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
2	15,65	13,01	14,33	7,64	7,21	90,21	asym		09/12/2015	ZOUGANELI	Nylon	BLACK				
1	13,90	12,99	13,45	7,27	7,62	82,24	asym		15/03/2015	ZOUGANELI	Nylon	WHITE				

MEASUREMENT INVENTORY				
Measurer GRE-21				
Date 27/04/2013				
Comment				
Id	Item	Weight	Distance	VCG Description
1	Engine			VOLVO PENTA D1-30
Id	Item	Weight	Distance	Description

MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
1	Tank	FUEL	INOX	100,0	7,98			25,0	
2	Tank	WATER	PVC hard	100,0	4,08			0,0 S	
3	Tank	WATER	pvc hard	100,0	4,08			0,0 P	
Id	Item	Weight	Distance	VCG	Description				
1	Battery		5,08		2 x 100 Ah (P)				
2	Battery		5,08		1 x 70 Ah (P)				
1	Misc		0,95		ANCHOR WINDLASS LEWMAR X2				
2	Misc		4,67		WATER HEATER 20L (P)				



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ORC Club Certificate Appendix

BOAT			
Name	PARALOS	Certificate Number	F00954
Sail Nr	GRE-1275	Issued On	31/3/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1086,4	901,7	794,8	738,9	720,1	713,3	703,9
52°	721,1	607,7	545,8	522,2	512,8	509,2	505,9
60°	686,8	580,7	530,5	510,3	500,0	495,6	493,3
75°	661,5	562,1	520,2	500,0	486,4	476,4	467,7
90°	642,2	539,1	503,9	490,6	481,3	466,3	442,8
110°	637,0	533,4	496,7	473,7	453,5	441,3	422,2
120°	656,0	545,6	502,8	477,5	453,0	430,5	402,8
135°	726,0	593,8	524,5	494,5	471,0	446,4	400,4
150°	853,8	684,2	584,1	530,7	504,7	486,8	448,1
Run VMG	985,9	790,1	674,4	612,8	571,8	526,9	482,7
Selected Courses							
Windward / Leeward	1036,2	845,9	734,6	675,8	645,9	620,1	593,3
Circular Random	879,8	712,2	623,4	573,0	542,7	523,1	498,0
Coastal / Long Distance	1031,1	794,2	663,1	590,4	554,1	523,5	476,0
Non Spinnaker	954,6	763,6	659,7	598,9	561,7	537,7	508,0

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	42,0°	40,3°	40,0°	38,8°	38,1°	38,0°	37,7°
Beat VMG	3,31	3,99	4,53	4,87	5,00	5,05	5,11
52°	4,99	5,92	6,60	6,89	7,02	7,07	7,12
60°	5,24	6,20	6,79	7,05	7,20	7,26	7,30
75°	5,44	6,40	6,92	7,20	7,40	7,56	7,70
90°	5,61	6,68	7,14	7,34	7,48	7,72	8,13
110°	5,65	6,75	7,25	7,60	7,94	8,16	8,53
120°	5,49	6,60	7,16	7,54	7,95	8,36	8,94
135°	4,96	6,06	6,86	7,28	7,64	8,06	8,99
150°	4,22	5,26	6,16	6,78	7,13	7,40	8,03
Run VMG	3,65	4,56	5,34	5,87	6,30	6,83	7,46
Gybe Angles	145,1°	148,3°	148,0°	149,9°	174,3°	177,1°	178,2°