



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 **00690**
Issued On **26/08/2020**
ORC Ref **03420000P2S**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	386kg
Maximum	240kg
Minimum*	155kg

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

Special Scoring

ToD	ToT
Non Spin GPH 804.1	0.7462
Non Spin OSN 776.4	0.7728

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **35.20**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

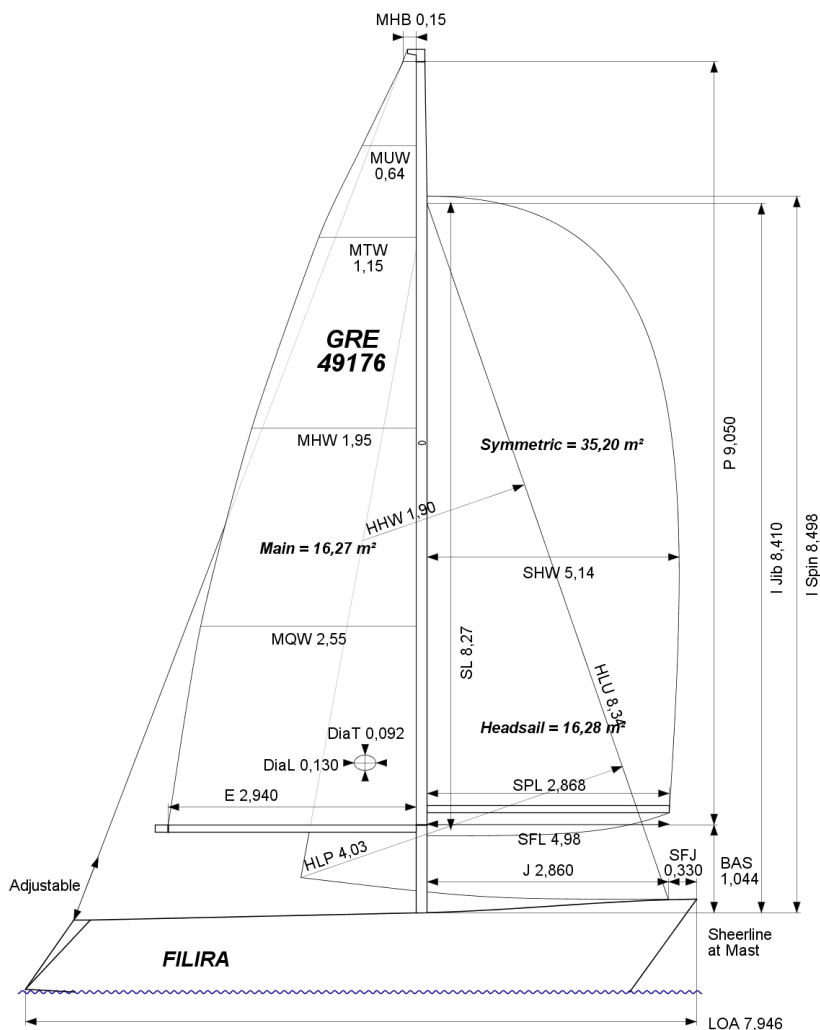
Class Division Length

CDL = 6.148

Stability (Measured)

Limit Positive Stab.: **109.6°**
Stability Index: **106.2**

Owner



BOAT Name FILIRA Sail Nr GRE-49176	GPH 775.4	HULL Data File GR49176 LOA 7.946m Offset File FILIR2K5.OFF MB 2.730m Displacement 2,294kg Draft 1.531m
CLASS Class CONTEST 250C Designer DE RIDDER Builder CONYPLEX Series 11/1977 Age Date 01/1981 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.379% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS STERN EXTENSION		IMSL 6.965m VCGD 0.159m Sink 9.72kg/mm RL 5.337m VCGM 0.152m WS 13.27m² LSM0 6.671m Displacement/Length ratio 7.7272
PROPELLER Installation Shaft exposed PRD 0.360 Type Feathering 2 blades PBW 0.107 PIPA 0.0050		Water Ballast 0 Trim Tab No BLR Index 0.0000
SCORING OPTIONS		CENTERBOARD N/A
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	752.2	839.0
Time on Time	0.7977	0.8045
Triple Number	Low Medium High	Low Medium High
Time on Distance	892.5 684.7 616.8	1150.5 843.4 739.6
Time on Time	0.7563 0.9859 1.0944	0.5867 0.8003 0.9127

BOAT	
Name FILIRA	Sail Nr GRE-49176
File GR49176	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 21/04/2003			SG 1.0270		
FFM	1.096	FF	1.087	SFFP	0.350
FAM	0.838	FA	0.852	SAFP	7.184
W1	30.0	PD1	320.0	WD	8.140
W2	30.0	PD2	320.0	GSA	28.3
W3	30.0	PD3	320.0	RSA	5674.5
W4	30.0	PD4	320.0	PLM	2310.0
LCF from stem on CL / on sheer					4.413 / 4.615
Maximum beam station from stem					4.589
RM Measured					30.7kg-m
RM Default					36.2kg-m
Limit of positive stability / Stab.Index					109.6° / 106.2
Freeboard at mast at 3.190					0.941



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Measurements
Datasheet


RIG					
Forestay Tension	Aft	Spreaders		1	
Inner Stay	None Fitted	Runners/Checkstays		0	
Carbon Mast	No	Jib Furler		No	
Fiber Rigging	No	Main Furler		No	
Non-Circular Rigging	No				
Articulated Bowsprit	No				
P	9.050	E	2.940	MDT1	0.092
IG	8.410	J	2.860	MDL1	0.130
ISP	8.498	SFJ	0.330	MDT2	0.092
BAS	1.044	SPL	2.868	MDL2	0.102
FSD	0.000	TPS		TL	1.580
				MW	0.130
				GO	0.130
				BD	0.086
				MWT	
				MCG	

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Shaft exposed	PRD	0.360
Type	Feathering 2 blades	PBW	0.107
Twin Screw	No	PIPA	0.0050
PSA	26.200	PHL	0.110
PSD	0.025	ST1	0.014
PHD	0.064	ST2	0.090
		ST3	0.078
		ESL	0.689
		ST4	0.049
		ST5	0.150

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COMMENTS	
STERN EXTENSION	

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	0.15	0.64	1.15	1.95	2.55	16.27		13/03/2008		Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.04	0.47	0.93	1.90	2.92	4.03	8.34	141%	16.28		No		13/03/2008		Unknown	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	8.27	8.27	8.27	5.14	4.98	35.21				Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

MEASUREMENT INVENTORY				
Measurer GR-9				
Date 14/06/2005				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
4	Anchor	8.0	6.65	Anchor
4	Chain	29.0	6.65	Chain + Rope
4	Tools	10.0	3.50	
Id	Item	Maker	Model	
1	Engine	VOLVO PENTA	MD5A	
Id	Item	Weight	Description	
4	Deck-Gear	2.0		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	F.W.	INFL.	75.0	6.20			0-0
2	Tank	F.W.	INFL.	100.0	6.50			0-0
3	Tank	F.O.	INOX	40.0	5.80			0-0
Id	Item	Weight	Distance	VCG Description				
1	Battery		5.00	2 x 50Ah				

2020

ORC Club Certificate Appendix

BOAT	
Name FILIRA	Certificate Number 00690
Sail Nr GRE-49176	Issued On 26/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1324.1	1106.3	986.6	914.0	888.0	883.4	910.8
52°	864.2	737.2	660.3	626.5	612.7	608.9	612.8
60°	817.9	699.6	636.1	608.8	595.1	589.8	590.3
75°	787.1	670.0	618.4	593.8	577.8	566.3	557.8
90°	786.6	655.3	601.2	577.2	566.7	554.5	529.3
110°	780.2	646.7	594.9	566.8	542.0	520.9	500.9
120°	806.7	663.5	601.9	572.5	546.7	521.2	481.9
135°	906.9	734.2	631.6	590.8	564.0	537.9	489.1
150°	1051.9	831.7	700.7	623.1	588.2	563.3	514.7
Run VMG	1214.6	957.0	806.7	699.3	629.7	593.3	545.1
Selected Courses							
Windward / Leeward	1269.4	1031.6	896.7	806.7	758.8	738.4	728.0
Circular Random	1070.0	862.8	751.8	688.0	650.4	628.0	605.2
Coastal / Long Distance	1263.9	967.8	806.1	707.5	659.6	625.9	571.0
Non Spinnaker	1121.3	899.3	779.0	709.0	667.1	641.9	617.5

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	43.5°	41.6°	41.3°	41.3°	40.5°	40.5°	42.4°
Beat VMG	2.72	3.25	3.65	3.94	4.05	4.08	3.95
52°	4.17	4.88	5.45	5.75	5.88	5.91	5.87
60°	4.40	5.15	5.66	5.91	6.05	6.10	6.10
75°	4.57	5.37	5.82	6.06	6.23	6.36	6.45
90°	4.58	5.49	5.99	6.24	6.35	6.49	6.80
110°	4.61	5.57	6.05	6.35	6.64	6.91	7.19
120°	4.46	5.43	5.98	6.29	6.59	6.91	7.47
135°	3.97	4.90	5.70	6.09	6.38	6.69	7.36
150°	3.42	4.33	5.14	5.78	6.12	6.39	6.99
Run VMG	2.96	3.76	4.46	5.15	5.72	6.07	6.60
Gybe Angles	149.0°	153.5°	155.0°	168.0°	180.0°	180.0°	180.0°