



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 **01972**
Issued On **12/06/2020**
ORC Ref **03420000KK6**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default 650kg
Maximum **380kg**
Minimum* **285kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **685,3 0,8755**
Non Spin OSN **663,2 0,9047**

Sails Limitations

Headsails **1** Spinnakers **4**
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 68,54**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = 8,751

Stability (Estimated)

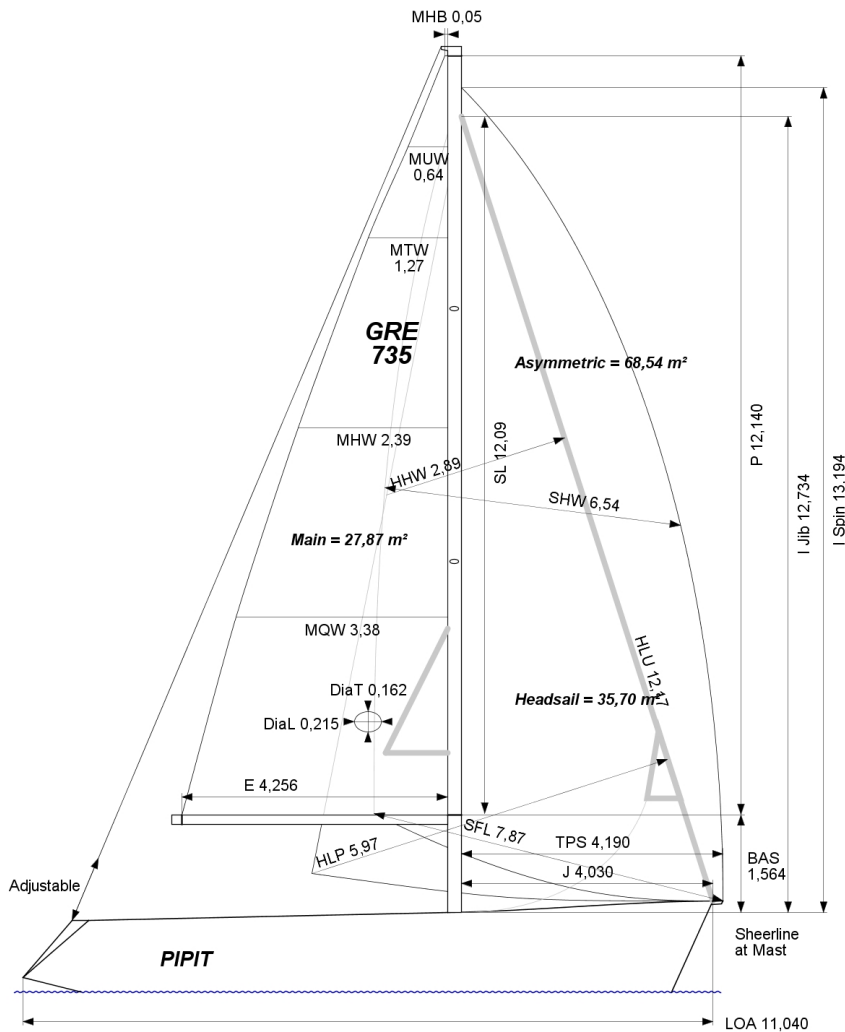
Limit Positive Stab.: **117,3°**
Stability Index: **114,6**

Owner

SKARIS SAILS SMPC
SOFOKLEOUS 18
65403 KAVALA, HELLAS
OTHAK

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT Name PIPIT Sail Nr GRE-735	GPH 657,2	HULL Data File BUL735 LOA 11,040m Offset File BAVA36.OFF MB 3,608m Displacement 4.700kg Draft 2,000m
CLASS Class BAVARIA 36 Designer J & J Builder Bavaria Series 01/1998 Age Date 01/2003 Age Allowance 0,487%		IMS Division Cruiser/Racer Dynamic All. 0,325% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS Builder's displacement.		IMSL 9,703m VCGD 0,000m Sink 18,35kg/mm RL 7,813m VCGM 0,087m WS 23,88m² LSM0 9,603m Displacement/Length ratio 5,3073
PROPELLER Installation Strut PRD 0,410 Type Feathering 3 blades PBW 0,110 PIPA 0,0034		Water Ballast Trim Tab No BLR Index 0,0000
SCORING OPTIONS		CENTERBOARD N/A
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	637,9	720,5
Time on Time	0,9407	0,9369
Triple Number	Low Medium High	Low Medium High
Time on Distance	764,1 578,5 516,2	993,2 725,1 633,1
Time on Time	0,8834 1,1669 1,3077	0,6796 0,9309 1,0661

BOAT	
Name PIPIT	Sail Nr GRE-735
File BUL735	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Enter VCG directly			
Flotation date 16/02/2020		SG 1,0250	
VCGDe 0,000			
FFM 1,442	FF 1,442	SFFP 0,380	
FAM 1,135	FA 1,135	SAFP 9,990	
LCF from stem on CL / on sheer		5,958 / 6,222	
Maximum beam station from stem		7,011	
RM Measured		113,4kg·m	
RM Default		110,0kg·m	
Limit of positive stability / Stab.Index		117,3° / 114,6	
Freeboard at mast at 4,030		1,271	



ORC
Offshore Racing Congress
World leader in rating technology

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 Yes		
Non-Circular Rigging No			
Articulated Bowsprit No			
P 12,140	E 4,256	MDT1 0,162	MW
IG 12,734	J 4,030	MDL1 0,215	GO
ISP 13,194	SFJ	MDT2	BD
BAS 1,564	SPL	MDL2	MWT
FSD 0,030	TPS 4,190	TL -3,000	MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0,410		
Type Feathering 3 blades	PBW 0,110		
Twin Screw No	PIPA 0,0034		
ST1 0,048	ST3 0,170	ST5 0,335	
ST2 0,170	ST4 0,098	EDL 2,145	

Certificate

Number **01972**
 ORC Ref **03420000KK6**
 Issued On **12/06/2020**
 VPP Ver. **2020 1.02**
 Valid until **28/02/2021**



COMMENTS	
Builder's displacement.	

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	0,05	0,64	1,27	2,39	3,38	27,88	GIAPANTZIS	16/02/2020	ELVSTROM	Polyester						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,07	0,71	1,40	2,89	4,41	5,97	12,17	148%	35,70	No		GIAPANT	16/02/2020	ELVSTROM	Polyest	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	12,61	11,56	12,09	6,54	7,87	68,55	asy84	GIAPANTZIS	16/02/2020		Nylon					

2020

ORC Club Certificate Appendix

BOAT	
Name PIPIT	Certificate Number 01972
Sail Nr GRE-735	Issued On 12/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1133,7	930,9	817,1	755,4	734,1	728,3	744,1
52°	733,7	614,0	547,6	517,8	506,5	502,8	504,2
60°	689,4	582,0	526,7	502,7	491,1	486,8	486,1
75°	655,5	557,4	512,0	490,0	475,4	464,5	456,8
90°	661,5	559,0	504,3	480,1	467,0	453,8	430,4
110°	673,9	553,9	500,1	473,0	449,2	428,4	403,3
120°	700,5	571,8	508,2	478,3	453,3	429,0	387,9
135°	783,3	629,3	540,8	497,3	471,6	447,0	400,8
150°	925,1	727,3	615,8	547,2	510,6	487,5	448,8
Run VMG	1068,2	839,9	711,1	631,8	589,2	538,7	483,6
Selected Courses							
Windward / Leeward	1101,0	885,4	764,1	693,6	661,6	633,5	613,8
Circular Random	914,0	733,8	636,7	580,6	546,9	526,0	502,7
Coastal / Long Distance	1097,7	830,3	684,4	598,6	557,4	523,9	472,3
Non Spinnaker	968,6	771,2	663,1	599,5	560,8	536,7	510,8

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°	42,0°	41,3°	40,5°	40,1°	39,9°	41,3°
Beat VMG	3,18	3,87	4,41	4,77	4,90	4,94	4,84
52°	4,91	5,86	6,57	6,95	7,11	7,16	7,14
60°	5,22	6,19	6,83	7,16	7,33	7,40	7,41
75°	5,49	6,46	7,03	7,35	7,57	7,75	7,88
90°	5,44	6,44	7,14	7,50	7,71	7,93	8,36
110°	5,34	6,50	7,20	7,61	8,01	8,40	8,93
120°	5,14	6,30	7,08	7,53	7,94	8,39	9,28
135°	4,60	5,72	6,66	7,24	7,63	8,05	8,98
150°	3,89	4,95	5,85	6,58	7,05	7,38	8,02
Run VMG	3,37	4,29	5,06	5,70	6,11	6,68	7,44
Gybe Angles	146,0°	147,0°	147,0°	148,0°	150,3°	172,0°	175,0°