



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 **00952**
Issued On **26/06/2020**
ORC Ref **03420000LLJ**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	754kg
Maximum	754kg
Minimum*	566kg

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

Special Scoring

ToD	ToT
Non Spin GPH 686.3	0.8743
Non Spin OSN 661.5	0.9070

Sails Limitations

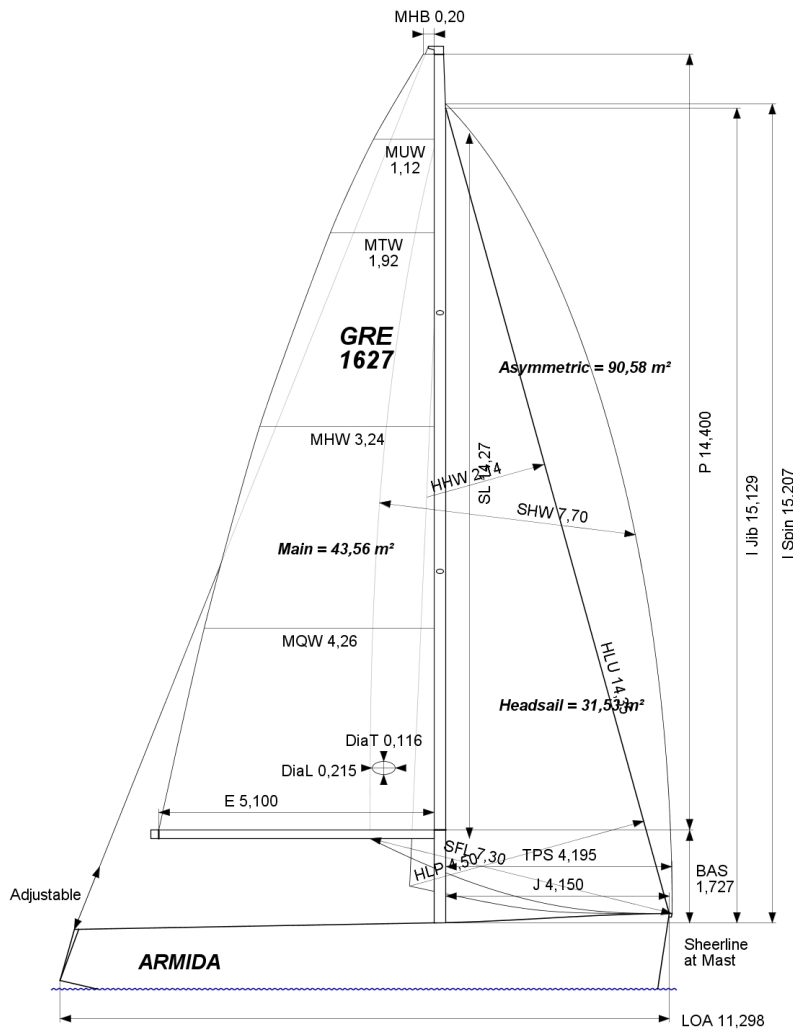
Headsails **5** Spinnakers **4**
Woven Polyester
Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 90.58**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = 9.174

Stability (Measured)
Limit Positive Stab.: **111.8°**
Stability Index: **114.9**

Owner



BOAT Name ARMIDA Sail Nr GRE-1627	GPH 653.7	HULL Data File GR1627 LOA 11.298m Offset File HAN370BK.off MB 3.748m Displacement 7,275kg Draft 1.998m
CLASS Class HANSE 370 BK Designer JUDEL/VROELIJK Builder HANSE Series 01/2005 Age Date 01/2009 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.302% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 10.612m VCGD 0.079m Sink 23.72kg/mm RL 7.744m VCGM 0.119m WS 31.41m² LSMO 10.655m Displacement/Length ratio 6.0141
PROPELLER Installation Strut PRD 0.420 Type Solid 2 blades PBW 0.120 PIPA 0.0181		Water Ballast 0 Trim Tab No BLR Index 0.0000
SCORING OPTIONS		CENTERBOARD NA
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	632.9	715.5
Time on Time	0.9480	0.9435
Triple Number	Low Medium High	Low Medium High
Time on Distance	774.3 572.4 499.1	1015.2 723.6 610.0
Time on Time	0.8718 1.1792 1.3524	0.6649 0.9329 1.1066

BOAT	Name ARMIDA	Sail Nr GRE-1627
	File GR1627	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 29/04/2013				SG 1.0270	
FFM	1.391	FF	1.390	SFFP	0.323
FAM	1.076	FA	1.076	SAFP	10.952
W1	115.5	PD1	241.0	WD	11.025
W2	115.5	PD2	241.0	GSA	41.9
W3	115.5	PD3	241.0	RSA	6082.1
W4	115.5	PD4	241.0	PLM	2110.0
LCF from stem on CL / on sheer				6.226 / 6.479	
Maximum beam station from stem				6.988	
RM Measured				193.8kg-m	
RM Default				194.2kg-m	
Limit of positive stability / Stab.Index				111.8° / 114.9	
Freeboard at mast at 4.150				1.227	



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Measurements
Datasheet

RIG					
Forestay Tension	Aft	Runners/Checkstays		2	
Inner Stay	None Fitted	Main Furler		No	
Carbon Mast	No	Jib Furler		Yes	
Fiber Rigging	No	Main Furler		No	
Non-Circular Rigging	No				
Articulated Bowsprit	No				
P	14.400	E	5.100	MDT1	0.116
IG	15.129	J	4.150	MDL1	0.215
ISP	15.207	SFJ	0.000	MDT2	0.116
BAS	1.727	SPL	4.110	MDL2	0.172
FSD	0.045	TPS	4.195	TL	1.098
				MW	0.215
				GO	0.230
				BD	0.161
				MWT	
				MCG	

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.420
Type	Solid 2 blades	PBW	0.120
Twin Screw	No	PIPA	0.0181
ST1	0.041	ST3	0.179
ST2	0.179	ST4	0.100
		ST5	0.245
		EDL	2.150

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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					
3	0.20	1.12	1.92	3.24	4.26	43.56		22/08/2015		Unknown						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.05	0.53	1.05	2.14	3.31	4.50	14.35	108%	31.53		No		02/10/2014		Dacron	
3	0.07	0.41	0.78	1.58	2.51	3.51	14.23	85%	23.80		No		21/04/2019	GLAROS	Dacron	
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				
2	14.75	13.78	14.27	7.70	7.30	90.59	asym		21/04/2019	D-SAIL	Nylon					

MEASUREMENT INVENTORY				
Measurer GRE-21				
Date 29/04/2013				
Comment SKIPPER'S SEAT NOT ON BOARD WHEN				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	3YM30 (30)	
Id	Item	Weight	Distance	VCG Description

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank	FUEL	INOX	140.0	9.15		0-0
2	Tank	WATER	PVC hard	325.0	2.15		0-0
3	Tank	BLACK	INOX	24.0	8.65		0-0
Id	Item	Weight	Distance	VCG Description			
1	Battery	5.65		3 x 90 Ah (P)			
2	Battery	5.45		1 x 80 Ah (P)			
3	Battery	5.45		1 x 60 Ah (P)			
1	Misc	8.85		WATER HEATER 20L (P)			
2	Misc	1.30		ANCHOR WINDLASS LOFRAN CAYMAN 88			
3	Misc			FURLING GENOA SYSTEM			
4	Misc			BIMINI			

2020

ORC Club Certificate Appendix

BOAT	
Name ARMIDA	Certificate Number 00952
Sail Nr GRE-1627	Issued On 26/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1197.6	969.6	843.6	758.8	714.1	700.4	699.6
52°	760.7	629.3	554.6	510.0	490.0	483.0	480.1
60°	708.0	592.2	526.8	493.2	476.4	468.1	464.0
75°	672.9	564.3	507.3	480.7	464.2	451.9	438.7
90°	661.6	546.1	488.9	464.1	451.6	443.9	418.2
110°	660.9	540.4	485.0	458.9	437.2	416.7	392.2
120°	687.5	560.0	494.1	464.6	442.4	420.0	379.0
135°	774.5	620.0	530.6	484.4	459.7	438.3	396.4
150°	920.0	719.8	608.1	537.0	497.5	473.6	439.3
Run VMG	1062.3	831.1	702.1	620.1	574.4	525.8	468.4
Selected Courses							
Windward / Leeward	1130.0	900.3	772.8	689.5	644.3	613.1	584.0
Circular Random	922.7	735.4	632.7	572.0	534.5	510.4	482.2
Coastal / Long Distance	1123.2	841.2	687.9	591.3	542.2	507.9	455.1
Non Spinnaker	986.3	779.0	663.4	593.6	549.8	521.8	490.5

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	45.8°	43.5°	42.8°	42.0°	40.9°	40.5°	40.9°
Beat VMG	3.01	3.71	4.27	4.74	5.04	5.14	5.15
52°	4.73	5.72	6.49	7.06	7.35	7.45	7.50
60°	5.08	6.08	6.83	7.30	7.56	7.69	7.76
75°	5.35	6.38	7.10	7.49	7.75	7.97	8.21
90°	5.44	6.59	7.36	7.76	7.97	8.11	8.61
110°	5.45	6.66	7.42	7.84	8.23	8.64	9.18
120°	5.24	6.43	7.29	7.75	8.14	8.57	9.50
135°	4.65	5.81	6.79	7.43	7.83	8.21	9.08
150°	3.91	5.00	5.92	6.70	7.24	7.60	8.19
Run VMG	3.39	4.33	5.13	5.81	6.27	6.85	7.69
Gybe Angles	145.0°	147.0°	147.0°	147.5°	150.0°	176.0°	178.0°