



World Leader in Rating Technology

**2009
ORC Club
Certificate**

Rating Office

Jadralna zveza Slovenije
Kopališko nabrežje 5
SI-6000 Koper
Slovenija



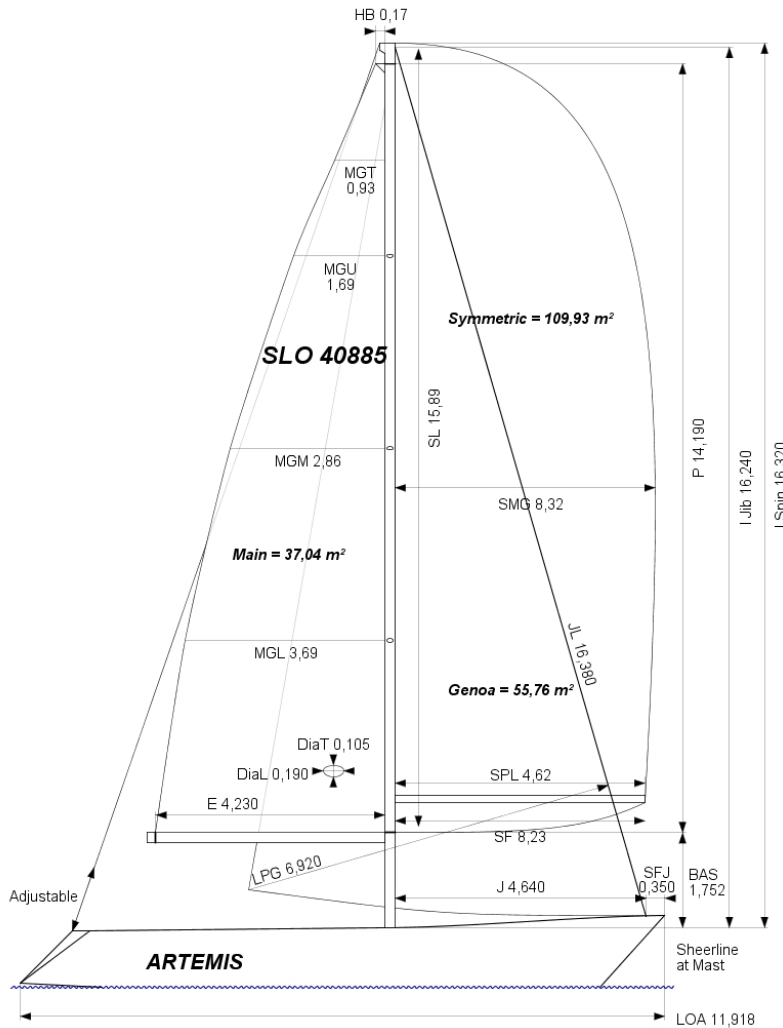
JADRALNA ZVEZA SLOVENIJE
SLOVENIAN SAILING FEDERATION

Certificate

Number **C01/09**
Issued On **2.6.2009**
ORC Ref **SLO00000344**
VPP Ver. **1.11**
Valid until **31.12.2009**

Comments

MCG 3,14 less than measured



BOAT	
Name	Artemis
Sail Nr	SLO 40885

GPH
626,8

HULL	
Data File	SLO40885.dxt
Offset File	US18344.OFF
Displacement	7.133 kg
LOA	11,918 m
MB	3,874 m
Draft	2,419 m

CLASS	
Class	Northeast 39
Designer	Rob Ball
Builder	C & C
Series	01.1984
Age Date	01.1986
Age Allowance	1,300%

IMS Regulations Division	Cruiser/Racer
Dynamic Allowance	0,251%
Forward Accommodation	Yes
Hull Construction	Cored
Carbon Mast	No
Carbon Rudder	No
IMS L	9,750
Wetted Area	28,32 m2
VCGM	0,025

Crew Weight	
Declared	550 kg
Default*	676 kg

Special Scoring	
ToD	629,7
ToT	0,9528
Double Handed	629,7
Non Spinnaker	666,5
	0,9002

HEAVY ITEMS			
Bow Thruster	No	Generator	No
Windlass	No	Jib Furler	No
Heavy Deck	No	Main Furler	No
Headliners	Yes	Water Heater	Yes
Air Condition	No	Desalinator	No
Anchor Weight	24,0	Heavy Items Adjustment	0,0032
Anchor LCG	1,10	Total Gyradius Adjustment	0,0751

PROPELLER	
Installation	Out of Aperture
Type	Folding
PRD	0,482
PBW	0,129

Sails Limitations	
Genoas	3
Spinnakers	3
Jibs	2
Spinnaker configuration	
Symmetric	Yes 109,93
Asymmetric	No
Code Zero	No
Spin. Pole	Yes

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	626,8			696,2		
Time On Time	0,9573			0,9695		
Performance Line	0,888	134,8		1,100	360,4	
Triple Number	Low 0,9499	Medium 1,2109	High 1,3506	Low 0,7259	Medium 0,9806	High 1,1332

Stability	
LPS (Estimated):	114,9°
Stability Index:	116,1
OSR Category:	1

Owner



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ORC Club Certificate Appendix

BOAT	
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1030,4	848,2	768,3	729,4	705,6	690,6	678,2
52°	664,4	565,1	525,8	508,4	498,4	492,0	485,9
60°	621,6	543,8	508,9	491,5	482,5	476,4	470,1
75°	592,8	528,6	496,3	475,6	462,2	455,1	447,1
90°	592,0	518,2	485,0	468,3	459,8	446,1	430,4
110°	604,5	528,0	490,7	465,2	445,9	433,1	419,3
120°	643,7	546,0	501,7	473,3	450,7	432,0	407,4
135°	745,2	596,1	531,4	495,2	469,6	448,1	412,3
150°	893,4	700,7	589,5	532,4	497,8	472,8	433,2
Run VMG	1031,6	809,1	679,6	599,5	546,3	510,2	463,1
Selected Courses							
Windward / Leeward	1050,4	843,6	735,2	672,9	633,4	607,0	576,2
Circular Random	856,7	694,5	608,5	559,1	528,8	509,0	484,1
Ocean for PCS	915,3	726,3	622,3	559,5	518,7	489,8	449,2
Non Spinnaker	931,3	746,2	645,8	586,8	550,2	526,3	497,2

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	44,6°	43,3°	40,4°	38,8°	37,8°	37,3°	36,9°
Beat VMG	3,49	4,24	4,69	4,94	5,10	5,21	5,31
52°	5,42	6,37	6,85	7,08	7,22	7,32	7,41
60°	5,79	6,62	7,07	7,32	7,46	7,56	7,66
75°	6,07	6,81	7,25	7,57	7,79	7,91	8,05
90°	6,08	6,95	7,42	7,69	7,83	8,07	8,36
110°	5,96	6,82	7,34	7,74	8,07	8,31	8,58
120°	5,59	6,59	7,18	7,61	7,99	8,33	8,84
135°	4,83	6,04	6,77	7,27	7,67	8,03	8,73
150°	4,03	5,14	6,11	6,76	7,23	7,61	8,31
Run VMG	3,49	4,45	5,30	6,00	6,59	7,06	7,77
Gybe Angles	142,6°	146,0°	152,2°	163,3°	169,4°	173,4°	175,1°