

BOAT
Name V1no 41 Sail Nr SLO 41

GPH
564,5

HULL
Length Overall 12,350 m
Maximum Beam 3,637 m
Displacement 7.299 kg
Draft 2,519 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0,215%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder Yes
Trim Tab No
IMS L 11,477 VCGD -0,044 VCGM -0,083
Sink 23,34 kg/mm Wetted Area 31,39 m²



2009
ORC International
Certificate

GENERAL
Class X-41
Designer JEPPESEN
Builder X-YACHTS
Series 12.2006
Age 07.2008
Age Allowance 0,195%
Offset File X41.OFF - 15.3.2007 3:30:02
Measurement by B.Gale, Z.Grubisa - 17.03.2009

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	564,5			627,6		
Time On Time	1,0628			1,0755		
Performance Line	PLT	PLD		PLT	PLD	
	0,956	117,0		1,167	327,2	
Triple Number	Low	Medium	High	Low	Medium	High
	1,0473	1,3477	1,5128	0,7971	1,0856	1,2593

Rating Office
Jadralska zveza Slovenije
Kopališko nabrežje 5
SI-6000 Koper
Slovenija

JADRALNA ZVEZA SLOVENIJE
SLOVENIAN SAILING FEDERATION

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	954,2	772,3	689,4	651,9	630,0	616,9	606,5
52°	619,8	514,1	473,8	457,1	447,7	442,1	437,7
60°	577,3	494,5	456,4	441,5	433,7	428,7	424,2
75°	544,3	481,0	446,0	425,4	414,6	408,2	401,2
90°	531,3	460,6	431,7	421,3	411,7	394,4	380,8
110°	536,3	470,6	435,6	410,6	392,8	383,1	365,9
120°	569,3	488,0	447,9	422,3	396,8	373,9	349,8
135°	667,1	534,5	478,6	444,8	422,3	400,0	350,7
150°	801,9	636,3	534,8	482,9	449,5	427,3	386,9
Run VMG	925,9	734,7	617,4	548,4	499,2	463,4	419,2

Certificate
Number I01/09
ORC Ref SLO00000134
Issued On 31.3.2009
VPP Ver. 1.11
Valid until 31.12.2009

Crew Weight
Declared 700 kg
Default* 831 kg

Special Scoring
ToD ToT
Double Handed 566,6 1,0589
Non Spinnaker 608,4 0,9863

Selected Courses							
Windward / Leeward	957,4	766,1	664,4	607,5	571,2	546,2	518,1
Circular Random	775,6	627,0	547,8	502,0	473,7	454,8	430,3
Ocean for PCS	829,3	656,0	560,3	502,2	463,9	436,3	396,4
Non Spinnaker	857,8	683,8	589,0	532,9	497,9	475,0	447,0

Sails Limitations		
Genoa 0	Jibs 5	Spinnakers 4
Spinnaker configuration Symmetric		

Storm Sails Areas
Heavy Weather Jib 39,53
Storm Jib (JL=11,12) 14,64
Storm Trysail 15,64

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	43,3°	43,4°	39,5°	37,5°	36,5°	35,9°	35,6°
Beat VMG	3,77	4,66	5,22	5,52	5,71	5,84	5,94
52°	5,81	7,00	7,60	7,88	8,04	8,14	8,23
60°	6,24	7,28	7,89	8,15	8,30	8,40	8,49
75°	6,61	7,48	8,07	8,46	8,68	8,82	8,97
90°	6,78	7,82	8,34	8,54	8,74	9,13	9,45
110°	6,71	7,65	8,26	8,77	9,16	9,40	9,84
120°	6,32	7,38	8,04	8,53	9,07	9,63	10,29
135°	5,40	6,74	7,52	8,09	8,52	9,00	10,27
150°	4,49	5,66	6,73	7,45	8,01	8,43	9,30
Run VMG	3,89	4,90	5,83	6,56	7,21	7,77	8,59
Gybe Angles	141,5°	142,2°	150,6°	161,0°	168,7°	173,2°	175,8°

Owner

BOAT	
Name V1no 41 File SLO41.dxt	Sail Nr SLO 41 Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Forestay None Fitted	Runners 0
Carbon Mast Yes	Jumpers None
Taper Hollows No	w/o Backstay No
P 16,250	E 5,500 MDT1 0,130 TL 0,870
IG 17,025	J 4,920 MDL1 0,240 MWT
ISP 17,060	SFJ 0,275 MDT2 0,130 MCG
SPS 2,883	SPL 5,175 MDL2 0,190 CPW 3,090
BAS 1,883	TPS 0,076 MW 0,240 BD 0,225
BAL 0,210	FSP 0,076 GO 0,265 BWT

HEAVY ITEMS			
Bow Thruster No	Generator No	Air Condition No	
Windlass Yes	Jib Furler No	Desalinator No	
Heavy Deck No	Main Furler No		
Headliners No	Water Heater Yes		
Anchor Weight	Heavy Items Adjustment	0,0008	
Anchor LCG	Total Gyradius Adjustment	0,0047	

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 25.03.2009		SG 1,0250
FFM 1,406	FF 1,406	SFFP 0,200
FAM 1,092	FA 1,092	SAFP 11,995
W1 110,00	PD1 548,6	WD 12,500
W2 110,00	PD2 548,0	GSA 1,0
W3 110,00	PD3 542,0	RSA 1,0
W4 110,00	PD4 544,4	PLM 9000,0
Maximum beam station from stem		8,278
RM Measured / Default		198,4 / 204,6
Limit of positive stability		123,6°
Stability Index		128,0
Freeboard at mast at 5,195		1,186

PROPELLER		
Installation Strut Drive	PRD 0,430	
Type Folding	PBW 0,125	
Twin Screw No	PIPA 0,0014	
ST1 0,065	ST3 0,180	ST5
ST2 0,180	ST4 0,110	EDL


WATER BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula		
	0,210	1,21	2,10	3,57	4,60	25,00	53,43	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$		
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	Area	Formula	
	0,09	0,74	1,42	2,74	4,01	17,18	5,25	46,40	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$	
Symmetric	SL	SMG	SF				Area	Formula		
	17,95	8,77	8,54				130,50	$SL \cdot (SF + 4 \cdot SMG) / 6$		

MEASUREMENT INVENTORY			
Measurer Z.Grubisa CRO			
Date 25.3.2009			
Comment			
Id	Item	Weight	Distanc Description
1	Anchor	8,0	4,62 Anchor
1	Chain	2,0	4,62 Rope
Id	Item	Maker	Model
1	Engine	Volvo Penta	40 HP
Id	Item	Weight	Description


MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capct	Dist.	Condt Description
1	Liquid Tank	Water	Fix	100,0	5,60	Port
2	Liquid Tank	Fuel	Fix	90,0	5,60	90,0 Starboard
Id	Item	Weight	Distanc	Description		
3	Battery		7,42	55 Ah		
2	Battery		4,80	115 Ah		
1	Battery		4,80	115 Ah		
2	Miscellaneous	10,0	8,20	Boiler		
1	Miscellaneous	2,0	6,30	Gas		



ORC
World Leader in Rating Technology

2009
IMS Measurement
Certificate

Certificate
Number **I01/09**
ORC Ref **SLO00000134**
Issued On **31.3.2009**
VPP Ver. **1.11**
Valid until **31.12.2009**

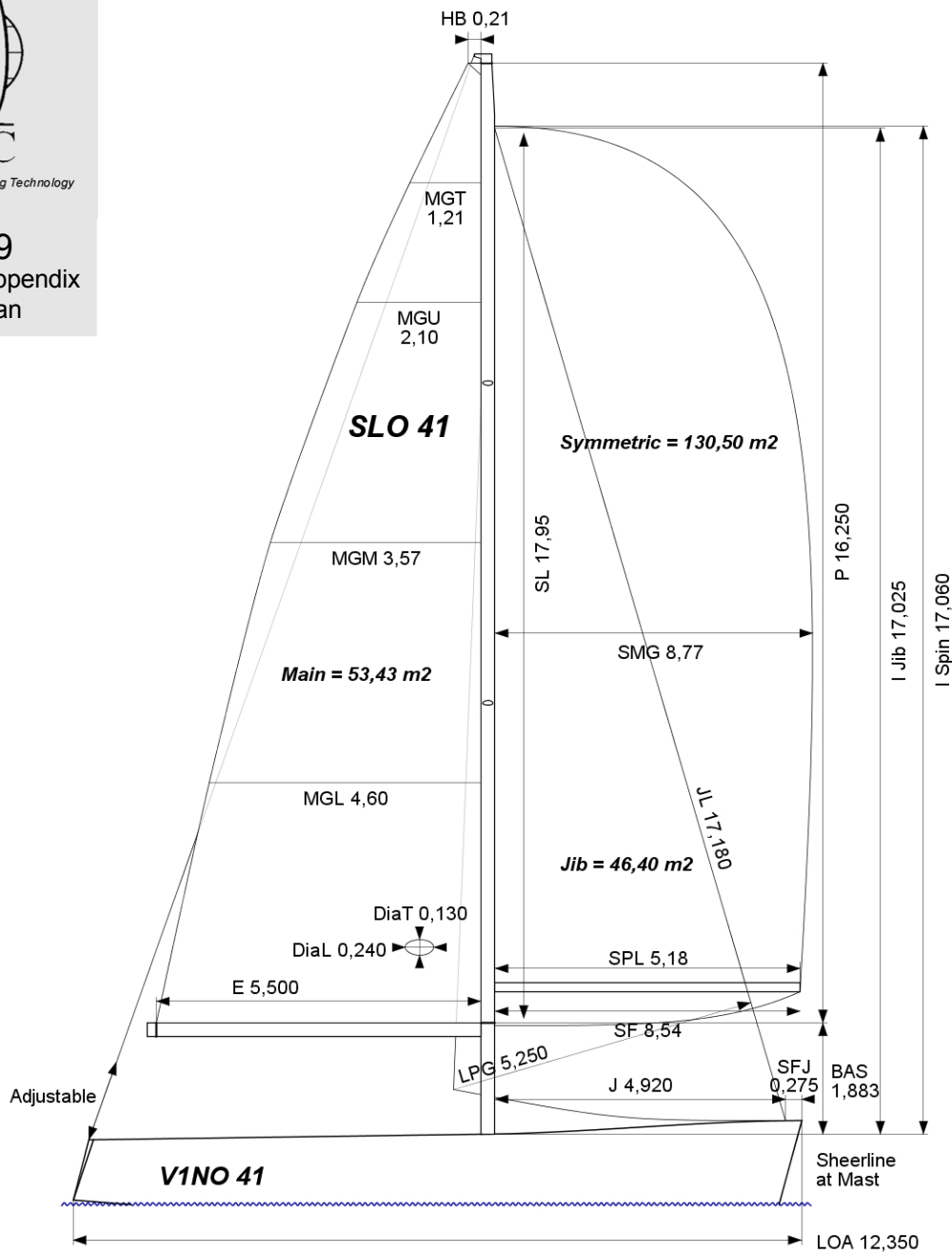


JADRALNA ZVEZA SLOVENIJE
SLOVENIAN SAILING FEDERATION



World Leader in Rating Technology

2009
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,210	1,21	2,10	3,57	4,60	25,00	53,43	Soren	26.05.2008	North	Kevlar	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
3	0,11		1,12	2,23	3,43	4,70	16,49	96%	37,90	Soren	26.05.2008	North	Kevlar	No. 3
1H	0,09		1,45	2,72	3,89	5,25	17,18	107%	45,78	Soren	26.05.2008	North	Kevlar	Heavy
1L	0,09		1,42	2,74	4,02	5,25	17,18	107%	46,25	Soren	26.05.2008	North	Kevlar	Light

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	17,95	8,77	8,54	130,50	Soren	21.11.2007	North	Nylon	
1	17,95	8,76	8,52	130,32	Soren	21.11.2007	North	Nylon	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
----	-----	-----	-----	-----	-----	------	------	----------	-----------	-------------	----------	---------