BOAT

Name **Salt 2.0**
Sail Nr **SWE 6**

GPH

533.4

GENERAL

Class	**ARCONA 465**
Designer	**STEFAN QVIBERG**
Builder	**ARCONA YACHTS**
Series	**08/2015**
Age	**08/2015**
Age Allowance	**0.065%**
Offset File	**Arcona465dk_2017.off - 16/05/2017**
Measurement by	**MIKAEL LINDQVIST - 11/05/2016**

HULL

Length Overall	**14.142m**
Maximum Beam	**4.250m**
Displacement	**9,939kg**
Draft	**2.844m**
IMS Reg. Division	**Cruiser/Racer**
Dynamic Allowance	**0.088%**
Fwd Accommodation	**Yes**
Hull Construction	**Carbon**
Carbon Rudder	**No**
Crew Arm Extension	

IMSL	**13.300m**	VCGD	**-0.060m**	Sink	**33.06kg/mm**
RL	**11.542m**	VCGM	**-0.042m**	WS	**42.69m²**
LSM0	**13.008m**	Displacement/Length ratio			**4.5156**

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SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	**518.6**			**582.9**		
Time On Time	**1.1570**			**1.1579**		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	**618.0**	**470.8**	**414.2**	**806.7**	**586.9**	**502.9**
Time on Time	**1.0922**	**1.4338**	**1.6298**	**0.8367**	**1.1502**	**1.3423**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**926.6**	**753.0**	**659.8**	**621.5**	**602.1**	**586.5**	**572.9**
52°	**598.6**	**492.6**	**442.6**	**428.0**	**421.2**	**416.9**	**407.7**
60°	**559.1**	**464.5**	**426.8**	**414.5**	**408.1**	**404.1**	**393.1**
75°	**526.0**	**445.4**	**415.0**	**398.0**	**387.5**	**380.8**	**373.0**
90°	**527.9**	**447.0**	**416.1**	**395.9**	**376.2**	**360.8**	**347.3**
110°	**548.7**	**448.2**	**410.3**	**392.7**	**377.9**	**363.8**	**336.8**
120°	**565.1**	**458.2**	**415.7**	**389.0**	**366.8**	**352.6**	**326.0**
135°	**628.5**	**503.5**	**437.2**	**408.0**	**382.9**	**356.1**	**303.3**
150°	**747.4**	**592.6**	**498.4**	**441.2**	**411.7**	**388.8**	**339.9**
Run VMG	**863.1**	**684.3**	**575.4**	**506.1**	**463.1**	**429.2**	**383.2**
Selected Courses							
Windward / Leeward	**894.9**	**718.6**	**617.6**	**563.8**	**532.6**	**507.8**	**478.1**
Circular Random	**741.4**	**595.5**	**517.0**	**471.3**	**442.5**	**422.7**	**395.3**
Ocean for PCS	**913.2**	**701.4**	**581.9**	**508.7**	**460.9**	**427.1**	**379.3**
Non Spinnaker	**798.8**	**636.4**	**547.5**	**494.6**	**461.1**	**438.3**	**408.6**

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	**44.0°**	**42.8°**	**41.6°**	**40.0°**	**38.9°**	**38.6°**	**38.4°**
Beat VMG	**3.88**	**4.78**	**5.46**	**5.79**	**5.98**	**6.14**	**6.28**
52°	**6.01**	**7.31**	**8.13**	**8.41**	**8.55**	**8.63**	**8.83**
60°	**6.44**	**7.75**	**8.43**	**8.69**	**8.82**	**8.91**	**9.16**
75°	**6.84**	**8.08**	**8.67**	**9.05**	**9.29**	**9.45**	**9.65**
90°	**6.82**	**8.05**	**8.65**	**9.09**	**9.57**	**9.98**	**10.36**
110°	**6.56**	**8.03**	**8.77**	**9.17**	**9.53**	**9.89**	**10.69**
120°	**6.37**	**7.86**	**8.66**	**9.25**	**9.81**	**10.21**	**11.04**
135°	**5.73**	**7.15**	**8.23**	**8.82**	**9.40**	**10.11**	**11.87**
150°	**4.82**	**6.07**	**7.22**	**8.16**	**8.74**	**9.26**	**10.59**
Run VMG	**4.17**	**5.26**	**6.26**	**7.11**	**7.77**	**8.39**	**9.39**
Gybe Angles	**143.0°**	**145.5°**	**147.3°**	**153.4°**	**160.5°**	**180.0°**	**180.0°**

Rating Office

Offshore Racing Congress

Certificate

Number **6264**
ORC Ref **SSF00001719**
Issued On **16/05/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared **906kg**
Default* **1,002kg**
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin GPH	**565.5**	**1.0610**
Non Spin OSN	**551.2**	**1.0885**

Sails Limitations

Headsails	Spinnakers
7	**5**

Class Division Length

CDL = **12.422**

Storm Sails Areas

Heavy Weather Jib	**51.20**
Storm Jib (JL=12.66)	**18.96**
Storm Trysail	**21.22**

Owner

BOAT

Name	**Salt 2.0**	Sail Nr	**SWE 6**
File	**6264_17**	Data in	**meters/kilograms**

RIG

Forestay Tension	**Aft**	Spreaders	**2**
Inner Stay	**None Fitted**	Runners	**0**
Carbon Mast	**Yes**	Jumper Struts	**None**
Taper Hollows	**No**	Jib Furler	**No**
Fiber Rigging	**No**	Main Furler	**No**
Lenticular Rigging	**No**	Without Backstay	**No**
Articulated Bowsprit	**No**		

P	**18.515**	E	**6.550**	MDT1	**0.131**	MW	**0.250**
IG	**19.404**	J	**5.506**	MDL1	**0.260**	GO	**0.270**
ISP	**20.539**	SFJ	**0.158**	MDT2	**0.118**	BD	**0.302**
BAS	**1.799**	SPL	**5.940**	MDL2	**0.198**	MWT	**256.40**
FSP	**0.076**	TPS		TL	**1.095**	MCG	**6.710**

MIZZEN RIG AND SAILS

N/A

COMMENTS

INCLINING TEST AND FREEBOARDS

Inclining Test **Current Inclining**

Flotation date **11/05/2016** SG **1.0050**

FFM	**1.621**	FF	**1.630**	SFFP	**0.200**
FAM	**1.182**	FA	**1.186**	SAFP	**14.000**
W1	**122.6**	PD1	**432.2**	WD	**15.895**
W2	**122.6**	PD2	**432.7**	GSA	**1.0**
W3	**122.6**	PD3	**430.0**	RSA	**1.0**
W4	**122.6**	PD4	**429.5**	PLM	**9000.0**

LCF from stem on CL / on sheer	**7.963 / 8.240**
Maximum beam station from stem	**8.836**
RM Measured	**356.0kg·m**
RM Default	**347.8kg·m**
Limit of positive stability / Stab.Index	**120.7° / 124.7**
Freeboard at mast at 5.664	**1.366**

PROPELLER

Installation	**Strut**			PRD	**0.514**
Type	**Folding 3 blades**			PBW	**0.153**
Twin Screw				PIPA	**0.0044**
ST1	**0.055**	ST3	**0.200**	ST5	**0.320**
ST2	**0.200**	ST4	**0.114**	EDL	**3.920**

MOVEABLE BALLAST

N/A

CENTERBOARD

N/A

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ORC Ref **SSF00001719**
Issued On **16/05/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

SAILS (Maximum Areas)

Mainsail	**MHB**	**MUW**	**MTW**	**MHW**	**MQW**	**Area**	**Area (r)**	**Formula**
	0.220	1.60	2.74	4.33	5.51	74.18	76.04	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)
Symmetric	**SLU**	**SLE**	**SL**	**SHW**	**SFL**			
	20.20	20.20	20.20	11.00	10.59	183.79		SL · (SFL + 4·SHW) / 6

Asymmetric
Not Available

HEADSAILS

Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)

HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.10	0.88	1.63	3.00	4.30	5.63	19.50	57.28				Unknow	
0.10	0.85	1.58	2.92	4.25	5.62	19.50	56.45				Unknow	

MEASUREMENT INVENTORY

Measurer **MIKAEL LINDQVIST 1129**
Date **11/05/2017**
Comment

Id	*Item*	*Weight*	*Distance*	*VCG*	*Description*

Id	*Item*	*Maker*	*Model*
e1	Engine	YANMAR	4JH80-C

Id	*Item*	*Weight*	*Description*

MEASUREMENT INVENTORY

Id	*Item*	*Tank Use*	*Tank Type*	*Capcty*	*Dist.*	*VCG*	*Condtn*	*Description*
h2	Tank	Holding	s.s.	70.0	8.90	0.00	~~0.0~~	
h1	Tank	Holding	s.s.	70.0	4.80	0.00	~~0.0~~	
w2	Tank	Water	Plastic	40.0	5.50	0.00	~~0.0~~	
w1	Tank	Water	s.s.	450.0	6.60	0.00	~~0.0~~	
f1	Tank	Fuel	s.s.	270.0	6.90	0.00	~~0.0~~	

Id	*Item*	*Weight*	*Distance*	*VCG*	*Description*
b1	Battery		8.50	0.00	2 x 90 Ah
b2	Battery		10.60	0.00	1 x 110 Ah
FC	Misc	8.0	13.00		FUEL CELL
AP	Misc		13.00		Autopilot

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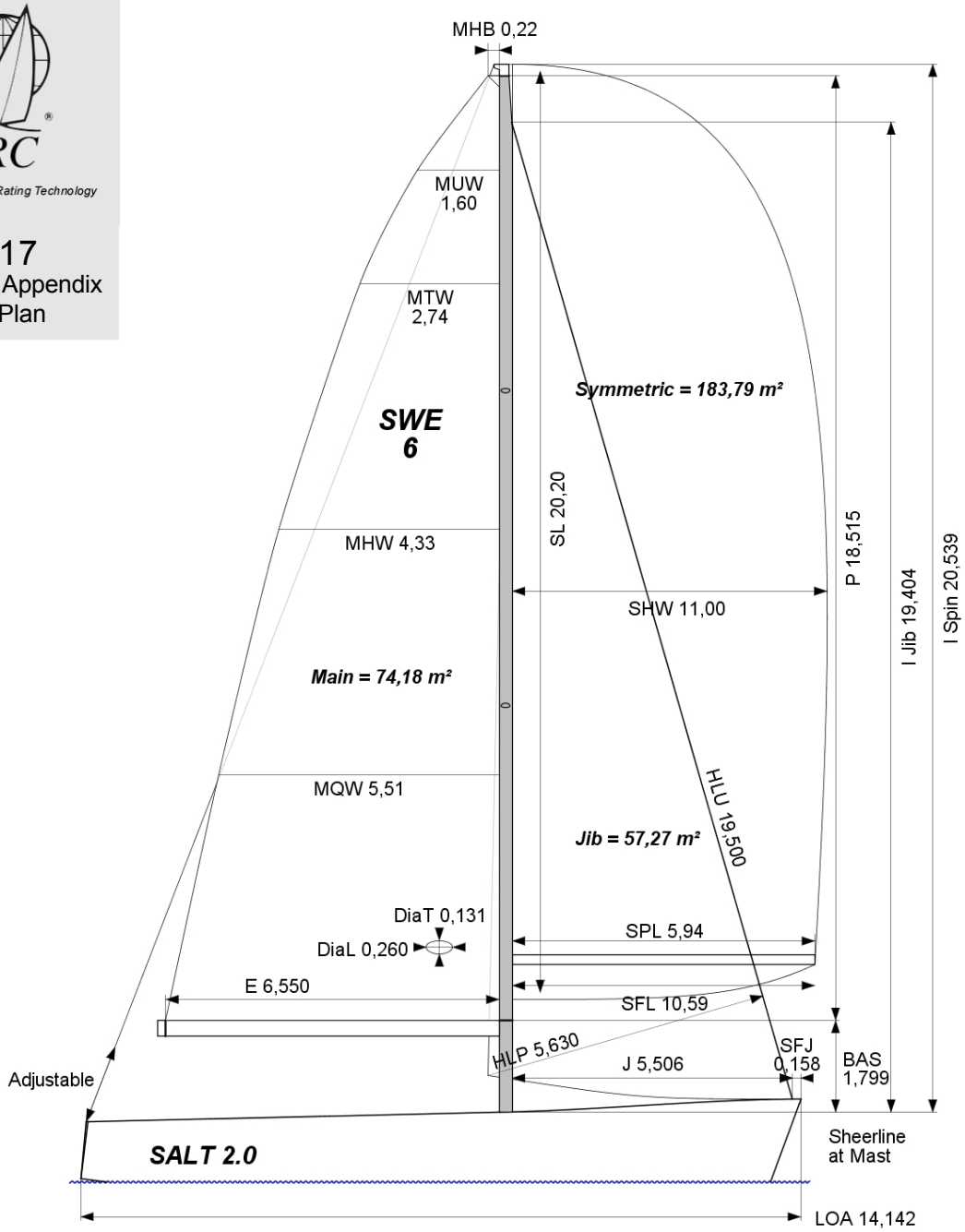
2017
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
E6.56 mod	0.220	1.60	2.74	4.33	5.51	74.18				Unknown	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
j1	0.10	0.88	1.63	3.00	4.30	5.63	19.50	102%	57.28						Unknow	
j2	0.10	0.85	1.58	2.92	4.25	5.62	19.50	102%	56.45						Unknow	

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
s2-MH	20.20	20.20	20.20	11.00	10.59	183.79				Unknown	
s1-MH	20.54	20.54	20.54	10.66	10.62	182.33				Unknown	
s3-Salt	19.20	19.20	19.20	9.65	9.90	155.20				Unknown	

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment