

BOAT
Name Dacapo Sail Nr NOR 85

GPH
579,1

HULL
Length Overall 11,085 m
Maximum Beam 3,266 m
Displacement 4.539 kg
Draft 2,222 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0,128%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder
Crew Arm Extension
IMS L 10,494 VCGD -0,096 VCGM -0,127
Sink 18,59 kg/mm Wetted Area 24,29 m²



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2014
ORC International
Certificate

GENERAL
Class J/111
Designer Alan Johnstone
Builder J Composite France
Series 01/2011
Age 01/2013
Age Allowance 0,098%
Offset File j111eu-v.off - 7/12/2011 10:59:44
Measurement by NOR-Rating -

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	564,1			632,9		
Time On Time	1,0636			1,0666		
Performance Line	PLT	PLD		PLT	PLD	
	0,908	101,7		0,928	221,6	
Triple Number	Low	Medium	High	Low	Medium	High
	1,0150	1,3166	1,4848	0,7745	1,0650	1,2259

Rating Office

Offshore
Racing
Congress



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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	995,0	814,0	709,7	666,9	645,8	632,9	627,9
52°	649,0	538,0	489,2	473,5	465,8	461,3	455,7
60°	609,8	512,6	476,0	460,0	451,8	446,6	440,6
75°	579,1	496,4	466,1	445,4	428,8	419,4	411,6
90°	560,0	480,9	466,4	446,6	425,7	405,2	382,2
110°	561,7	480,3	444,5	420,7	405,4	394,5	371,4
120°	582,4	483,9	447,6	416,3	396,6	382,1	353,7
135°	668,7	530,5	474,1	444,9	413,4	381,3	324,9
150°	808,3	644,2	537,1	482,2	454,8	427,5	370,3
Run VMG	933,3	743,8	620,2	550,4	508,9	479,7	426,5

Certificate
Number 21764
ORC Ref NOR00013303
Issued On 18/6/2014
VPP Ver. 2014 1.01
Valid until 31/12/2014

Selected Courses							
Windward / Leeward	964,2	778,9	664,9	608,6	577,4	556,3	527,2
Circular Random	798,8	644,4	561,7	513,7	483,8	463,5	435,7
Ocean for PCS	852,3	673,3	573,9	513,1	472,4	442,2	396,0
Non Spinnaker	882,1	702,8	604,7	546,4	509,8	485,4	454,5

Crew Weight	
Declared	711 kg
Default*	711 kg
Non Manual Pwr	No

Special Scoring		
	ToD	ToT
Double H.GPH	585,8	1,0242
Double H.OSN	572,6	1,0479
Non Spin GPH	624,6	0,9606
Non Spin OSN	604,8	0,9920
N/S Perf. Line	61,3	0,778

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	43,0°	41,8°	40,4°	38,1°	37,2°	36,3°	36,7°
Beat VMG	3,62	4,42	5,07	5,40	5,57	5,69	5,73
52°	5,55	6,69	7,36	7,60	7,73	7,80	7,90
60°	5,90	7,02	7,56	7,83	7,97	8,06	8,17
75°	6,22	7,25	7,72	8,08	8,40	8,58	8,75
90°	6,43	7,49	7,72	8,06	8,46	8,88	9,42
110°	6,41	7,49	8,10	8,56	8,88	9,13	9,69
120°	6,18	7,44	8,04	8,65	9,08	9,42	10,18
135°	5,38	6,79	7,59	8,09	8,71	9,44	11,08
150°	4,45	5,59	6,70	7,47	7,92	8,42	9,72
Run VMG	3,86	4,84	5,80	6,54	7,07	7,51	8,44
Gybe Angles	142,0°	144,3°	145,0°	155,9°	161,8°	168,9°	155,4°

Sails Limitations		
Genoa	Jibs	Spinnakers
0	5	4
Spinnaker configuration Asymmetric-CL		

Storm Sails Areas	
Heavy Weather Jib	29,22
Storm Jib (JL=9,56)	10,82
Storm Try sail	10,67

Owner

BOAT	
Name Dacapo File (0)	Sail Nr NOR 85 Data in meters/kilograms

RIG				
Forestay Tension Aft	Spreaders 2			
Inner Stay None Fitted	Runners 0			
Carbon Mast Yes	Jumper Struts None			
Taper Hollows	Jib Furler			
Fiber Rigging No	Main Furler No			
Lenticular Rigging No	Without Backstay No			
Articulated Bowsprit No				
P 13,790	E 4,420	MDT1 0,110	MW 0,173	
IG 14,635	J 4,225	MDL1 0,175	GO 0,195	
ISP 15,635	SFJ 0,300	MDT2 0,090	BD	
BAS 1,711	SPL 0,000	MDL2 0,138	MWT	
FSP 0,062	TPS 6,570	TL 1,020	MCG	

MIZZEN RIG AND SAILS				
N/A				


COMMENTS				
Only Valid in Norway borrowed incling/freeb. from sistership				

INCLINING TEST AND FREEBOARDS				
Inclining Test Current Inclining				
Flotation date 26/07/2012			SG 1,0100	
FFM 1,231	FF 1,245	SFFP 1,000		
FAM 0,871	FA 0,868	SAFP 10,988		
W1 70,000	PD1 554,2	WD 11,590		
W2 70,000	PD2 562,2	GSA 1,0		
W3 70,000	PD3 561,3	RSA 1,0		
W4 70,000	PD4 559,9	PLM 9000,0		
LCF from stem on CL / on sheer			6,099 / 6,307	
Maximum beam station from stem			7,279	
RM Measured / Default			114,2 / 110,2	
Limit of positive stability / Stab.Index			122,2° / 123,2	
Freeboard at mast at 4,525			1,063	

PROPELLER				
Installation Strut	PRD 0,360			
Type Folding	PBW 0,115			
Twin Screw No	PIPA 0,0037			
ST1 0,065	ST3 0,180	ST5 0,250		
ST2 0,180	ST4 0,110	EDL 2,200		

MOVEABLE BALLAST				
N/A				


CENTERBOARD				
N/A				



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SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	Area	Area (r)	Formula	
	0,195	1,06	1,89	3,07	0,00	38,04	38,88	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Symmetric									
Not Available									
Asymmetric									
SLU	SLE	ASL	AMG	ASF		142,34	ASL · (ASF + 4·AMG) / 6		
18,46	13,30	15,88	10,80	10,58					

HEADSAILS												
Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0,24	0,70	1,29	2,40		4,45	14,47	33,83					
0,02	0,69	1,29	2,39		4,45	14,45	33,37					
0,14	0,59	1,09	2,08		4,20	12,90	27,42					

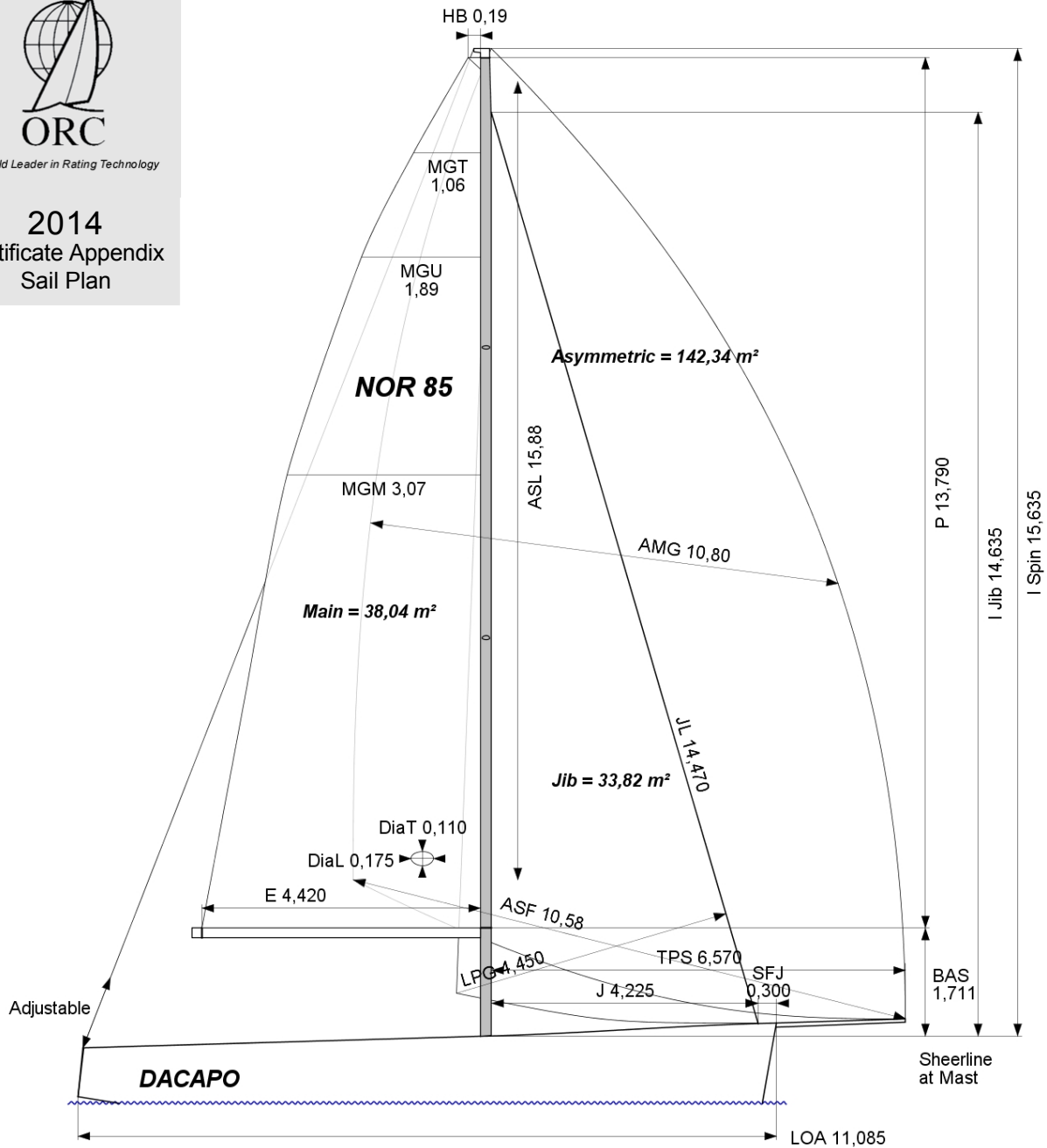
MEASUREMENT INVENTORY				
Measurer Date Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
OR	Anchor	25,0	0,00	*Legacy Anchor*
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
415-	0,195	1,06	1,89	3,07		38,04					

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
415-	0,24	0,70	1,29	2,40		4,45	14,47	105%	33,83							
415-	0,02	0,69	1,29	2,39		4,45	14,45	105%	33,37							
415-	0,14	0,59	1,09	2,08		4,20	12,90	99%	27,42							

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
2014	18,46	13,30	15,88	10,80	10,58	142,34	asym					
415-	18,07	14,85	16,46	9,64	9,10	130,75	asym					
415-	18,06	14,85	16,45	9,64	9,10	130,71	asym					
415-	17,22	14,87	16,04	8,48	9,53	116,19	asym					
415-	16,68	14,93	15,80	6,77	8,78	94,46	asym					