



World Leader in Rating Technology

2008 ORC Club Certificate

Rating Office

FSF RATING OFFICE
JOAKIM MAJANDER
MATINLAHDENKATU 3 E25
FIN-02230 ESPOO FINLAND



Certificate

Number **X35OD**
Issued On **25.2.2008**
VPP Ver. **1.02**
Valid until **1.1.2008**

Comments

O.D. TRIM PLUS TABLE AND
CUSHIONS
VALID ONLY IN CONJUNCTION
WITH X-35 CLASS CERTIFICATE

Crew Weight

Declared **640 kg**
Default* **645 kg**
Double Handed ToD **605,3**
Double Handed ToT **0,9912**

Sails Limitations

Genoas **0** Spinnakers **4**
Jibs **5**
Spinnaker configuration

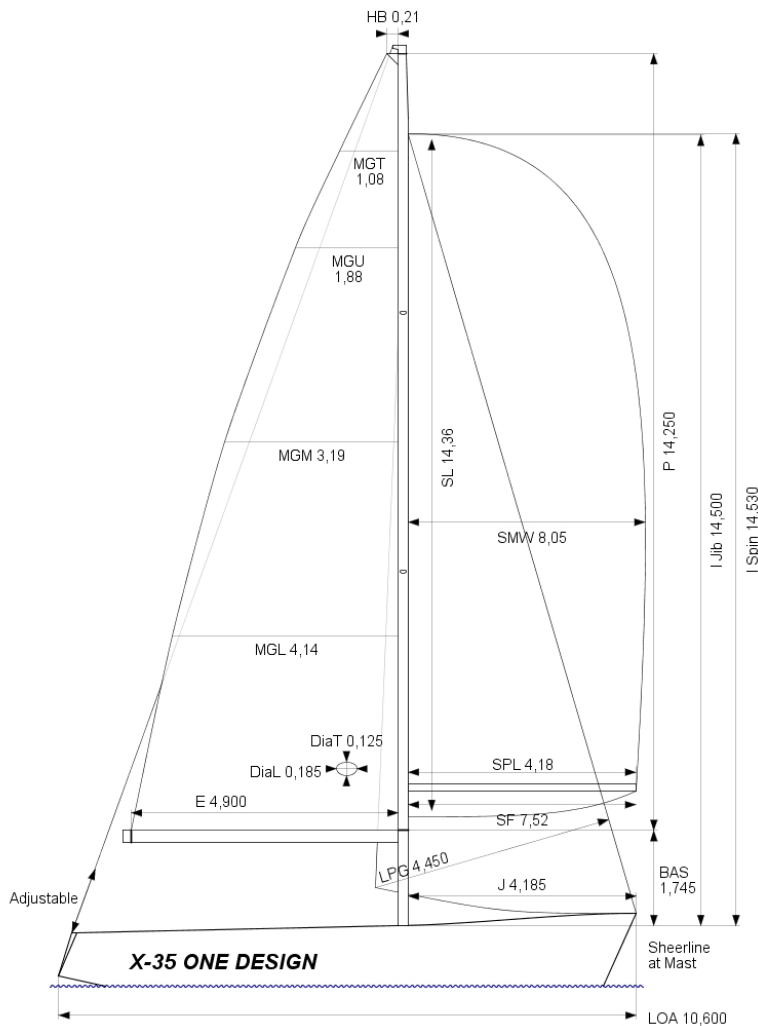
Sail Areas

Mainsail **42,09**
Genoa **33,75**

Owner

I certify that I understand my
responsibilities under ORC Rules
and Regulations

Signature



BOAT		GPH	HULL	
Name X-35 ONE DESIGN		601,8	Offset File X35.off	
Sail Nr			Offset Date 29.5.2006 10:52:52	
CLASS		LOA 10,600 m		
Class X-35 OD		MB 3,254 m		
Designer JEPPESEN		Displacement 4 527 kg		
Builder X YACHTS		Draft 2,175 m		
Series 09.2005		IMS Regulations Division Cruiser/Racer		
Age Date 09.2005		Accommodation length C/R 10,571 m		
Age Allowance 0,20%		Dynamic Allowance 0,05%		
HEAVY ITEMS		Forward Accommodation Yes		
Bow Thruster No	Generator No	Hull Construction Cored		
Windlass No	Jib Furler No	Carbon Rudder No		
Heavy Deck No	Main Furler No	PROPELLER		
Headliners Yes	A/C, Water Heater, Desalinator	Installation Strut Drive		
Anchor Weight	C/R Adjustment 0,00150	Type Folding		
Anchor LCG		PRD 0,420		
		PBW 0,128		

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	601,8			671,4		
Time On Time	0,9970			1,0054		
Performance Line	0,816	87,8		1,215	409,2	
Triple Number	Low 0,9992	Medium 1,2635	High 1,4039	Low 0,7647	Medium 1,0221	High 1,1655



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ORC Club Certificate Appendix

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	997,2	812,5	738,6	706,1	687,6	677,6	675,2
52°	648,2	547,5	509,2	494,7	486,5	482,0	478,7
60°	604,3	527,5	490,3	477,9	470,6	466,2	461,8
75°	577,5	510,1	478,4	457,0	448,5	442,7	435,2
90°	558,9	490,0	464,2	453,0	438,1	423,2	412,7
110°	567,2	501,9	465,6	436,2	421,4	411,0	392,4
120°	595,9	519,3	478,9	449,4	420,3	397,7	374,4
135°	697,6	565,5	508,4	474,4	448,6	423,6	366,2
150°	835,3	661,1	562,8	510,6	477,5	452,8	407,1
Run VMG	964,5	763,4	646,9	575,1	525,0	490,5	443,1
Selected Courses							
Windward / Leeward	1001,4	804,8	705,2	649,8	614,7	591,7	565,6
Circular Random	819,1	665,4	584,4	538,2	510,0	491,3	467,0
Ocean for PCS	929,2	732,3	621,8	553,4	507,8	475,1	428,8
Non Spinnaker	899,2	720,7	624,4	568,2	533,7	511,4	484,1

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	43,1°	42,5°	39,1°	37,7°	37,1°	36,9°	37,1°
Beat VMG	3,61	4,43	4,87	5,10	5,24	5,31	5,33
52°	5,55	6,57	7,07	7,28	7,40	7,47	7,52
60°	5,96	6,82	7,34	7,53	7,65	7,72	7,80
75°	6,23	7,06	7,53	7,88	8,03	8,13	8,27
90°	6,44	7,35	7,75	7,95	8,22	8,51	8,72
110°	6,35	7,17	7,73	8,25	8,54	8,76	9,17
120°	6,04	6,93	7,52	8,01	8,57	9,05	9,62
135°	5,16	6,37	7,08	7,59	8,03	8,50	9,83
150°	4,31	5,45	6,40	7,05	7,54	7,95	8,84
Run VMG	3,73	4,72	5,56	6,26	6,86	7,34	8,12
Gybe Angles	142,5°	143,7°	154,0°	163,7°	168,9°	172,5°	172,9°