

BOAT Name FEHURIHI Sail Nr ESP-5291	GPH 715.1	HULL Length Overall 8.990m Maximum Beam 3.248m Displacement 4,091kg Draft 1.770m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.459% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class RO 300 Designer J. VISIERS Builder RONAUTICA Series 12/1989 Age 06/1999 Age Allowance 0.487% Offset File ro300B.off - 20/02/2014 12:13:18 Measurement by CHGD/MGD/JJBELTRAN - 13/01/2012		IMSL 7.995m VCGD 0.096m Sink 14.19kg/mm RL 6.587m VCGM 0.045m WS 19.40m² LSM0 7.929m Displacement/Length ratio 8.2068



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	692.6			767.8		
Time on Time	0.8663			0.8792		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	826.0	631.7	560.8	1059.7	775.1	663.5
Time on Time	0.8172	1.0685	1.2036	0.6370	0.8709	1.0173

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1207.5	1010.2	897.0	822.8	787.1	773.8	771.6
52°	799.9	679.7	607.2	575.2	559.9	552.9	549.3
60°	762.5	648.6	587.8	561.9	547.6	538.7	533.1
75°	735.5	625.9	574.8	551.2	535.5	523.0	506.5
90°	742.5	615.3	560.5	537.0	524.6	516.5	490.2
110°	730.7	606.0	555.0	528.9	506.3	485.9	464.8
120°	751.6	620.9	561.6	534.4	511.1	487.8	451.2
135°	829.4	682.3	589.3	551.2	527.4	504.5	461.2
150°	976.0	775.2	657.5	583.3	550.2	528.0	485.4
Run VMG	1127.0	894.1	757.0	660.8	595.0	557.8	514.3

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ORC Ref **ESP00027562**
Issued On **02/02/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 494kg
Maximum **400kg**
Minimum* **300kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	716.7	0.8372
Double H.OSN	695.3	0.8630
Non Spin GPH	746.5	0.8038
Non Spin OSN	720.2	0.8331

Selected Courses							
Windward / Leeward	1167.2	952.1	827.0	741.8	691.0	665.8	642.9
Circular Random	989.0	797.2	693.5	632.9	595.8	572.2	544.1
Coastal / Long Distance	1163.2	894.7	744.9	651.6	604.5	572.5	521.3
Non Spinnaker	1044.6	836.9	723.4	656.2	614.6	587.9	556.7

Sails Limitations

Headsails	Spinnakers
5	3

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	42.3°	40.6°	41.1°	39.9°	38.8°	38.3°	38.4°
Beat VMG	2.98	3.56	4.01	4.38	4.57	4.65	4.67
52°	4.50	5.30	5.93	6.26	6.43	6.51	6.55
60°	4.72	5.55	6.12	6.41	6.57	6.68	6.75
75°	4.89	5.75	6.26	6.53	6.72	6.88	7.11
90°	4.85	5.85	6.42	6.70	6.86	6.97	7.34
110°	4.93	5.94	6.49	6.81	7.11	7.41	7.75
120°	4.79	5.80	6.41	6.74	7.04	7.38	7.98
135°	4.34	5.28	6.11	6.53	6.83	7.14	7.81
150°	3.69	4.64	5.48	6.17	6.54	6.82	7.42
Run VMG	3.19	4.03	4.76	5.45	6.05	6.45	7.00
Gybe Angles	147.7°	152.1°	152.6°	159.9°	180.0°	180.0°	180.0°

Class Division Length

CDL = **7.291**

Storm Sails Areas


Heavy Weather Jib **16.29**
Storm Jib (JL=7.14) **6.03**
Storm Trysail **6.69**

Owner

BOAT	
Name FEHURIHI	Sail Nr ESP-5291
File E5291	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 13/01/2012		SG 1.0270	
FFM 1.075	FF 1.076	SFFP 0.766	
FAM 0.898	FA 0.906	SAFP 8.096	
W1 52.0	PD1 580.6	WD 10.410	
W2 52.0	PD2 579.3	GSA 1.0	
W3 52.0	PD3 582.9	RSA 1.0	
W4 52.0	PD4 587.9	PLM 9000.0	
LCF from stem on CL / on sheer		5.055 / 5.305	
Maximum beam station from stem		5.162	
RM Measured		73.2kg·m	
RM Default		68.1kg·m	
Limit of positive stability / Stab.Index		113.0° / 112.1	
Freeboard at mast at 3.420		0.965	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	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 10.830	E 3.530	MDT1 0.102	MW 0.155
IG 10.920	J 3.420	MDL1 0.155	GO 0.175
ISP 10.920	SFJ	MDT2 0.102	BD 0.120
BAS 1.490	SPL 3.690	MDL2 0.155	MWT
FSP 0.072	TPS	TL 0.700	MCG




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IMS Measurement Certificate

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.430		
Type Folding 2 blades	PBW 0.105		
Twin Screw No	PIPA 0.0034		
ST1 0.048	ST3 0.170	ST5 0.360	
ST2 0.170	ST4 0.098	EDL 0.750	

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.125	0.62	1.19	2.16	2.93	21.90	22.19	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	59.24		SL · (SFL + 4·SHW) / 6	
	10.95	10.95	10.95	6.50	6.46				
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
0.09	0.62	1.20	2.41	3.70	5.00	10.65	26.25			27/09/2011	Unknow	
0.08	0.60	1.13	2.26	3.45	4.68	10.13	23.38					

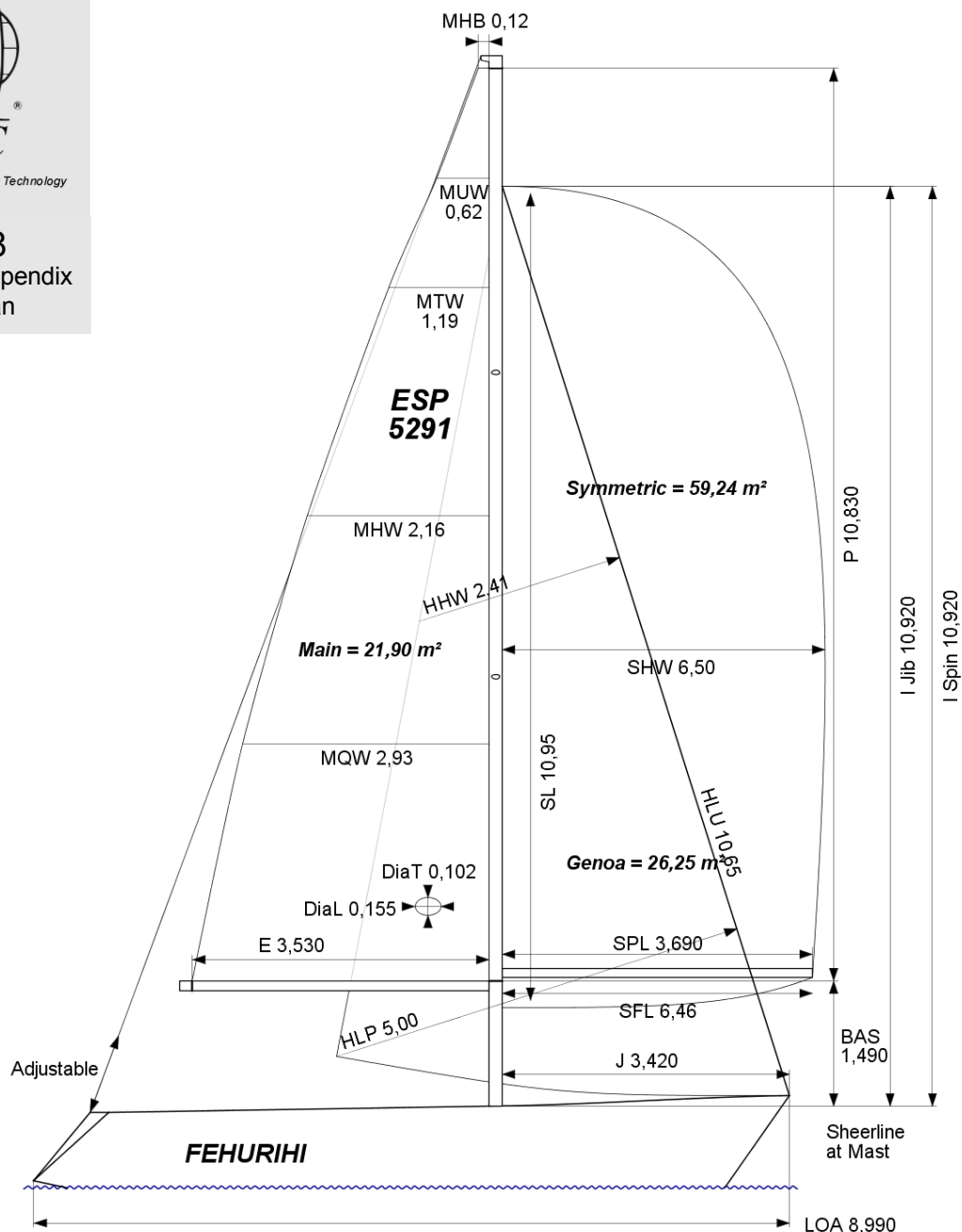
MEASUREMENT INVENTORY				
Measurer CGD/ MGD/ JJBELTRAN ESP 2				
Date 13/01/2012				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
OR	Anchor	40.0	3.60	ANCLA
OR	Chain	46.0	3.60	CADENA
+	Tools	9.0	5.70	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
1	Tank	FUEL	INOX	50.0	6.80	50.0	LLENO
2	Tank	AGUA	PLASTICO	75.0	3.80	0.0	VACIO
3	Tank	AGUA	PLASTICO	75.0	3.80	0.0	VACIO
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
2	Battery	25.0	5.20				
1	Battery	25.0	6.20				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.125	0.62	1.19	2.16	2.93	21.90	CHGD	27/09/2011		Dacron	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
003	0.09	0.62	1.20	2.41	3.70	5.00	10.65	146%	26.25							Unknow
1	0.08	0.60	1.13	2.26	3.45	4.68	10.13	137%	23.38			CHGD	27/09/2011			

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	10.95	10.95	10.95	6.50	6.46	59.24	CHGD	27/09/2011			

ASYMMETRIC SPINNAKERS (0)

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