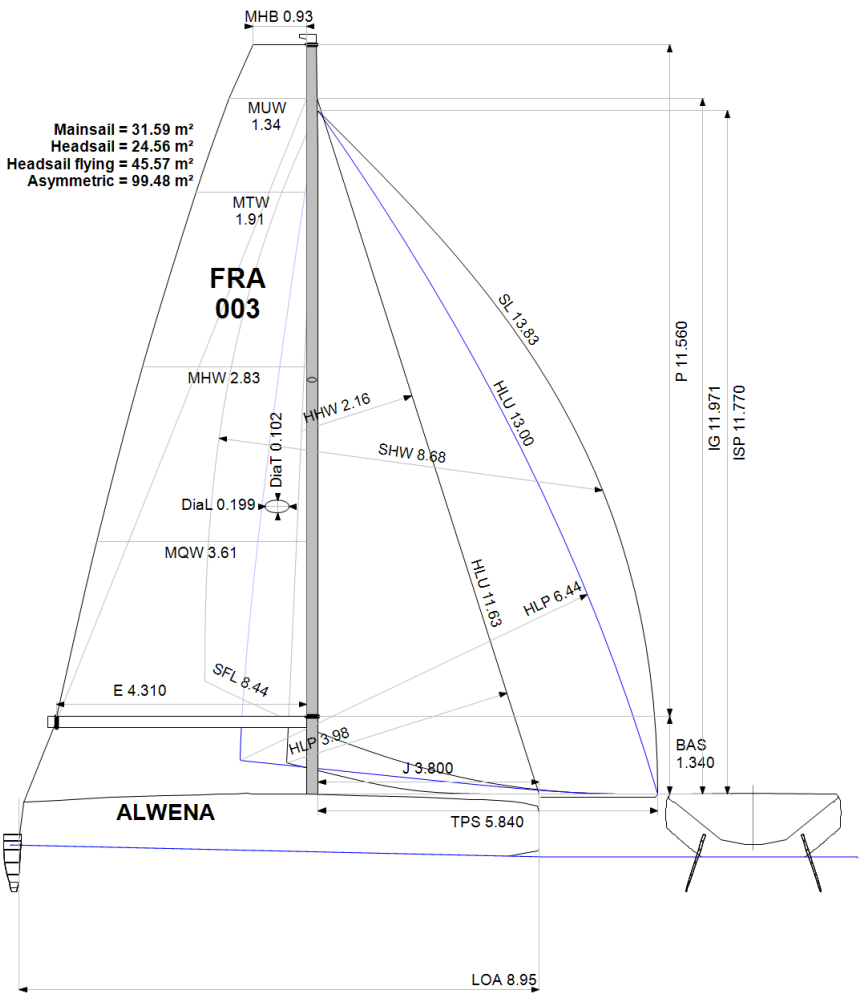
Club Certificate 2026

ALWENA
FRA-003

Centre de Calcul FFVoile
Rue H.Bocquillon
75015 - PARIS
FRANCE

APH ToD: **548.4** CDL: **8.466**
APH ToT: **1.0942** CertNo: **26279a**



Rated boat velocities in knots									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	45.6°	42.9°	40.2°	41.2°	40.1°	38.5°	37.9°	38.2°	39.7°
Beat VMG	2.51	3.52	4.22	4.66	4.92	5.04	5.10	5.13	5.04
52°	3.98	5.43	6.35	6.74	6.97	7.09	7.17	7.25	7.24
60°	4.36	5.77	6.63	6.98	7.16	7.32	7.42	7.55	7.58
75°	4.70	6.07	6.85	7.23	7.51	7.69	7.84	8.08	8.20
90°	4.70	6.10	6.91	7.36	7.76	8.09	8.34	8.71	8.98
110°	4.27	5.93	6.96	7.54	8.04	8.41	8.74	9.57	10.53
120°	4.14	5.81	6.92	7.53	8.11	8.69	9.26	10.18	11.16
135°	3.67	5.18	6.48	7.21	7.81	8.45	9.21	11.24	13.80
150°	3.04	4.38	5.50	6.51	7.19	7.70	8.24	9.85	13.33
Run VMG	2.63	3.80	4.76	5.64	6.27	6.69	7.13	8.53	11.54
Gybe Angles	140.2°	143.8°	148.0°	149.5°	153.7°	152.8°	150.3°	144.6°	144.8°

BOAT

Class	**SUN FAST 30 OD**
Designer	**VPLP**
Builder	**JEANNEAU**
Age date	**03/2024**
Series date	**01/2024**
Offset file	**sunfast30od.off**
Data file	**F003_26279a**

HULL

Length Overall	**8.946 m**
Maximum Beam	**3.014 m**
Draft	**1.966 m**
Displacement	**2 750 kg**
DLR	**4.7196**
IMS Division	**Performance**
Dynamic Allowance	**0.000%**
Age Allowance	**0.065%**
RS Assessment	**-0.254%**

PROPELLER

Installation	**Strut**
Type	**Folding 2 blades**
Diameter	**0.409m**

CREW

Maximum weight	**532 kg** (default)
Minimum weight	**402 kg** ∗ *when applied*
Crew Arm Extension	

SAIL AREAS (m²)

	Measured	Rated
Mainsail	**31.59**	**32.52**
Headsail Luffed	**24.56**	**24.56**
Headsail Flying	**45.57**	**45.57**
Symmetric		
Asymmetric	**99.48**	**99.48**

(All asymmetric spinnakers with SHW/SFL > 85%)

STORM SAIL AREAS Maximum (m²)

Trysail	**8.72**
Storm Jib	**7.23**
Heavy Weather Jib	**19.52**

SAIL LIMITS

Headsails	**5**
Spinnakers	**4**

STABILITY

Righting Moment	**N/A**
Stability Index	**N/A**

COMMENTS

2026: New Sails /
2025: 1st ORC /
Gennaker /
Sail # FRA-30003 /

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.

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Time Allowances in secs/NM									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1435.5	1022.3	852.1	773.0	731.3	714.3	705.9	701.4	715.0
52°	905.0	663.5	566.8	533.8	516.5	507.7	502.2	496.6	497.6
60°	826.0	623.6	542.8	515.9	502.8	491.6	484.9	476.8	475.2
75°	765.2	593.1	525.7	497.8	479.3	467.9	459.1	445.5	438.8
90°	766.2	590.5	521.0	489.4	464.1	444.8	431.5	413.6	401.0
110°	844.1	606.7	517.2	477.4	447.8	428.3	411.9	376.3	342.0
120°	870.3	619.2	520.4	478.1	443.9	414.1	388.9	353.8	322.6
135°	981.1	694.5	555.7	499.1	460.8	425.9	390.9	320.2	260.8
150°	1183.2	821.3	654.5	552.8	500.4	467.2	437.1	365.6	270.1
Run VMG	1366.3	948.4	755.7	638.4	574.2	538.2	504.6	422.1	311.8
Selected Courses									
Windward / Leeward	1400.9	985.3	803.9	705.7	652.8	626.3	605.3	561.8	513.4
All purpose	1048.6	753.6	628.4	567.8	532.3	510.9	493.5	461.1	430.5

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	680.5	0.8817
All purpose	548.4	1.0942

Custom scoring options for France

Scoring Option	Time On Distance	Time On Time
Triple Number Coastal/Long Distance Low	691.0	0.8683
Triple Number Coastal/Long Distance Medium	546.8	1.0973
Triple Number Coastal/Long Distance High	485.7	1.2353
Triple Number Windward/Leeward Low	894.6	0.6707
Triple Number Windward/Leeward Medium	676.4	0.8871
Triple Number Windward/Leeward High	594.2	1.0097

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Data in **meters/kilograms (Metric)**

HULL AND APPENDAGES (Lightship Trim)

Class	**SUN FAST 30 OD**	Length overall	**8.946**	VCGD	**-0.251**	Centerboard weight	**N/A**
Measurement		Maximum beam	**3.014**	VCGM	**-0.104**	List angle	**N/A**
HIN	**2158**	Draft	**1.966**	RM Rated (kg·m)	**56.5**	Canting keel angle	**N/A**
Plan review		Displacement	**2 750**	Limit of positive stability(°)	**N/A**		
Hull construction	**Cored**	Wetted area	**17.51**				
Carbon rudder	**Yes**	IMS L	**8.593**	Stability Index	**N/A**		
Light stanchions	**No**	LSM0	**8.352**	BLR index	**N/A**		
Trim tab	**No**	Accomod. length	**8.946**	Default crew weight	**532**		
		Sink (kg/mm)	**13.70**	Declared crew weight	**N/A**		

PROPELLER

Propeller Type	**Folding 2 blades**						
Installation	**Strut**	PRD	**0.409**	EDL	**1.140**	ST3	**0.180**
Twin screw	**No**	PBW		ST1	**0.046**	ST4	**0.110**
Hydro generator	**No**	PIPA	**0.0032**	ST2	**0.180**	ST5	**0.259**

RIG

Backstay	**Adjustable**	P	**11.560**	E	**4.310**	PY	**N/A**	Flying Headsail Foretriangles	
Forestay	**Fixed**	IG	**11.971**	J	**3.800**	MDT1Y	**N/A**		
Inner forestay	**Not installed**	ISP	**11.770**	BAS	**1.340**	MDL1Y	**N/A**	*Id*	*ISP*	*TPS*
Mast material	**Carbon**	MDT1	**0.102**	FSD		MDT2Y	**N/A**			
Single headsail furler	**No**	MDL1	**0.199**	SFJ		MDL2Y	**N/A**			
Mainsail furler		MDT2	**0.068**	SPL		TLY	**N/A**			
Articulated bowsprit	**No**	MDL2	**0.160**	WPL		BASY	**N/A**			
Non-circular rigging	**No**	TL	**1.850**	TPS	**5.840**	EY	**N/A**			
Fiber rigging	**No**	MW	**0.182**	BD	**0.190**	BDY	**N/A**			
Base of mast	**Fixed**	GO	**0.198**	MWT	**77.00**	IY	**N/A**			
Running backstays	**Yes**			MCG	**5.500**	EB	**N/A**			
Checkstays	**No**									
Spreaders	**1**									
Rotating mast	**No**									

FLOTATION AND STABILITY

Calculation method	**RM entered directly**	SFFP	**N/A**	SAFP	**N/A**
RM entered	**56.5**	FFM	**N/A**	FAM	**N/A**
Flotation Date	**01/01/2013**	FF	**N/A**	FA	**N/A**
		LCFcl	**N/A**	LCFsh	**N/A**
		SG	**N/A**	HBI	**N/A**

INVENTORY

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MAINSAIL

Id	*MHB*	*MUW*	*MTW*	*MHW*	*MQW*	*Area*	*Meas.Date*	*Comment*
M2	0.93	1.34	1.91	2.83	3.61	31.59	29/04/2026	New 2026

HEADSAIL

Id	*HHB*	*HUW*	*HTW*	*HHW*	*HQW*	*HLP*	*HLU*	*Btn*	*Flying*	*FT*	*Area*	*Meas.Date*	*Comment*
Gennak	0.04	0.96	2.04	3.75	5.16	6.44	13.00	No	Yes	0	45.57	09/03/2025	
J2	0.14	0.67	1.19	2.16	3.09	3.98	11.63	Yes	No		24.56	29/04/2026	New 2026
J3	0.14	0.61	1.10	2.02	2.92	3.80	10.40	Yes	No		20.71	09/03/2025	

ASYMMETRIC SPINNAKER

Id	*SLU*	*SLE*	*SL*	*SHW*	*SFL*	*Ratio*	*Area*	*Meas.Date*	*Comment*
A2-2026	15.25	12.41	13.83	8.68	8.44	103%	99.48	29/04/2026	New 2026
A4	14.32	11.67	13.00	6.35	7.05	90%	70.28	09/03/2025	

NON MANUAL POWER CONTROLS (NMP)

Sheets	**No**	Mainsail cunningham	**No**	Jib track	**No**	Spinnaker retriever **No**
Boomvang	**No**	Headsail cunningham	**No**	Tack line	**No**	
Outhaul	**No**	Main traveller	**No**	Halyards	**No**	