



# 12

## INTERNATIONAL TWELVE METRE CLASS

Yacht's Name	FLICA II	
National letters and Sail Number	K-14	Club
Designer	Laurent Giles and Partners	
Builder	W Fife & Son	Building Year 1939
Owner	Alexander Falk	
Owner's Address	22767 Ham Schlangenbad	
Lloyds R class certificate (Number or Date)		

### APPENDIX E RATING CERTIFICATE

This yacht has been measured by measurer(s) appointed by the International Twelve Metre Association and has been found to rate not more than 12.000 metres.

This certificate is dated **28-Jun-21**

Measurer **K.E. Brink**

Signature

Valid until **28-Jun-23**

Supersedes **22-May-17**



Signature   
ITMA Technical Director

Stamp of Authority of the  
International Twelve Metre Association

### CERTIFICATE REVALIDATION

This yacht has been declared by the Owner to be unchanged from her previous revalidated certificate dated 22 May 2017. Accordingly this certificate has been revalidated and remains valid until 28 June 2023 subject to a successful flotation being carried out by a class measurer prior to racing .

Signature  June 28 2021  
ITMA Technical Director

# RATING CALCULATION

<b>OVERALL LENGTH</b>			<b>20.485</b>
Overhang Forward to L1		2.442	
Overhang Aft to L1		2.118	
Total Overhang (Subtract)		4.560	
<b>MEASURED LENGTH (L1 L1)</b>			<b>15.925</b>
Girth at Bow		1.506	
Twice vertical Height at Bow (Subtract)		1.200	
O at Bow		0.306	
Add 1 1/2 O at Bow (min 0.540 m)		<b>0.540</b>	
Girth at Stern		2.670	
Twice vertical Height at Stern (Subtract)		1.580	
O at Stern		1.090	
Add 1/3 O at Stern (min 0.400 m)		<b>0.400</b>	
Add any penalty (Beam)		<b>0.000</b>	
Sum of Length and Girth Corrections			<b>16.865</b>
Age Date and Allowance	1937	Allowance	0.9600
<b>CORRECT LENGTH L</b>			<b>16.190</b>
Skin d to d1 Port		3.169	
Chain d to d1 Port		3.156	
d Port		0.013	
Skin d to d1 Starboard		3.142	
Chain d to d1 Starboard		3.129	
d Starboard		0.013	
Add d		0.026	
<b>Add GIRTH 2 d</b>			<b>0.052</b>
Mean Freeboard Bow O	Actual	1.432	1.432
Mean Freeboard Midship d	Actual	1.069	1.069
Mean Freeboard Stern O	Actual	0.970	0.970
Sum of Freeboards		3.471	
<b>Subtract FREEBOARD, F</b>			<b>1.157</b>
<b>Add SAIL AREAS (Square root)</b>		See Notes	<b>13.275</b>
<b>TOTAL OF MEASUREMENTS</b>			<b>28.360</b>
<b>PENALTY (Draught )</b>		0.000	
<b>RATING</b>			<b>11.966</b>

Date and place of Measurement	22-May-17		
Measurer's Name(s)	K.E. Brink	Signature	
Certificate revalidated	28-Jun-21	Certificate valid until	June 28 2023

## PENALTIES

Overhang Forward to L	2.912	
Overhang Aft to L	2.936	
Subtract from overall length	5.848	
Difference of imersion from salt to fresh water		

**WATERLINE LENGTH**

Minimum Displacement for Zero Penalty [m3]	29.144	<b>14.637</b>
Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)	29.873	

**WEIGHT [ton] Additional weight**

Equivalent LWL (for Displ. < min.)		
Difference	0.000	
DISPLACEMENT PENALTY (add to L)	Appendix E	<b>0.000</b>

**DRAUGHT (actual)**

Max. Draught for Zero Penalty	2.814	
Difference (if positive)	2.842	
DRAUGHT PENALTY (add to Rating)	Appendix E	<b>0.000</b>

**BEAM (Min)**

Max Beam at 1/3 of Midship Freeboard	3.600	
Difference (if positive)	3.636	
BEAM PENALTY (add to L)	See Notes	<b>0.000</b>
Tumblehome Max. (2 x 2% of Extr. Beam)	0.145	
Extreme Beam	3.635	
Beam at deck	3.540	
Difference (if positive)	0.095	
TUMBLEHOME PENALTY (add to Rating)		<b>0.000</b>

Date and place of Measurement **22-May-17**Measurer's Name(s) **K.E. Brink**

Signature



Certificate revalidated

**28-Jun-21**

Certificate valid until

**28-Jun-23**

## SAIL PLAN

Max Height of Sail Plan =	24.955	J=	6.993	I =	18.750
Boom Height =	1.379	A=	23.576	B=	10.200
Rated Mainsail Area	120.238	Spi boom=	7.025	eS=	13.275
Rated Foretriangle Area	55.980	Propeller allowance	1.000		
TOTAL RATED SAIL AREA	176.218	Corrected sail area	176.218		

### SAIL LIMITS

Mainsail max girth:	1/2 height (68%)	6.936	3/4 height (41%)	4.182
Genoa:	max. foot length (J + 4.8m)	11.793		
Spinnaker:	1/2 foot max breadth (125% J)	8.781	max. luff length=	18.518

## Spar Measurement

MAST (material)	Wood	Mast Weight		CG pos.	
	Deck	Half-Height	Jib-Halyard	Head	
Mast dimensions [mm]	240 x 296				
Sections area [cm <sup>2</sup> ]	558				

## Engine/Propeller Installation


Engine and propeller weight		Propeller diameter =	
Minimum boat speed with engine		Propeller position =	
Engine model and power	Nil		

## Flotation

Internal Ballast	Nil
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## Measurer's Notes

- 1 Measured according to 1934 Rule
- 2 Age allowance takes account of Bermudan rig
- 3 May 2017: Yacht measured by optical scanning. Displacement from scanned data indicates yacht should have a displacement penalty. For consistency with previous certificates and following discussion with ITMA Class Officers it was decided the application of a displacement penalty for a yacht of this vintage was not appropriate. Notwithstanding of this relaxation of the Rule, no optimization or manipulation of this displacement penalty dispensation is permitted.

Date and place of Measurement	May 22, 2017	Signature	
Measurer's Name(s)	K.E. Brink	Certificate valid until	28-Jun-23
Certificate revalidated	28-Jun-21		