

12



INTERNATIONAL TWELVE METRE CLASS

Yacht's Name JENETTA

National letters and Sail Number K-1 Club Kieler Yacht-Club

Designer Alfred Mylne

Builder Robbe & Berking Classics Building Year 1939

Owner Freundeskreis JENETTA GBR

Owner's Address Schulenbrooksweg 66, 21029 Hamburg, Germany

Lloyds R class certificate (Number or Date) _____

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: 16-Aug-21

Measurer Ken McAlpine Signature 

Valid until 16-Aug-23

Supersedes _____

Is this an **Appendix E** Certificate? Y / N Y

Was **Appendix F** used for Measurement? Y / N N

Signature 
ITMA Technical Director



Stamp of Authority of the
International Twelve Metre Association

Yacht's name : JENETTA

Date

16/08/2021

RATING CALCULATION**OVERALL LENGTH****21.973**

Overhang Forward to FGS

3.146

Overhang Aft to AGS

3.291

Total Overhang (Subtract)

6.437

MEASURED LENGTH (L_{BG})**15.536**

Girth at Bow

1.617

Twice vertical Height at Bow (Subtract)

1.200

Girth Difference at FGS

0.417

Add 1.5 Grith Difference at FGS (min 0.540 m)

0.626

Girth at Stern

3.395

Twice vertical Height at Stern (Subtract)

1.910

Girth Difference at AGS

1.485

Add 1/3 Girth Difference at AGS (min 0.400 m)

0.495

Add any penalty (Beam or Displacement)

0.261

Sum of Length and Girth Corrections

16.917

Age/Date Correction Factor (ADCF)(see page 3)

0.9625

LENGTH (L)**16.283**

Skin IM to d1 Port

2.060

Chain IM to d1 Port

2.047

d Port

0.013

Skin IM to d1 Starboard

2.064

Chain IM to d1 Starboard

2.050

d Starboard

0.014

Add d

0.027

Add GIRTH 2 d**0.054**

Mean Freeboard Bow

Datum Sta.	Actual Sta.	Rating FB
	1.403	1.403
	1.176	1.176
	1.135	1.135
		3.713

Mean Freeboard Midship

1.176

1.176

Mean Freeboard Stern

1.135

1.135

Sum of Freeboards

3.713

Subtract FREEBOARD, F

See Notes

1.210**Add SAIL AREAS (Square root)****13.314****TOTAL OF MEASUREMENTS****28.441**

PENALTY (Draft or Tumblehome)

0.000

RATING**12.000**

Date and Place of Measurement

30/04/2021 Flensburg

16/08/2021 Helsinki

Measurer's Name(s)

Ken McAlpine

Signature



Yacht's name : JENETTA		Date	16/08/2021
Range Measurement (Yes or No)	N	Date:	30/04/2021

PENALTIES

Overhang Forward to MWL	3.746		
Overhang Aft to MWL	3.998		
Subtract from overall length	7.744		
Difference of immersion from salt to fresh water	Meas. Density		
WATERLINE LENGTH (LWL)			14.229
Minimum Displacement for Zero Penalty [m3]	26.887		
Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)	27.559		
WEIGHT [tonne] Actual weight			26.846
Equivalent LWL (for Displ. < min.)	14.099		
Difference	-0.130		
DISPLACEMENT PENALTY (add to L)			0.261
Displacement Determination Method	3D-Scan		
DRAFT (actual)	2.740		
Max. Draft for Zero Penalty	2.777		
Difference (if positive)			
DRAFT PENALTY (add to Rating)			0.000
BEAM (Min)	3.600		
Max Beam at 1/3 of Midship Freeboard	3.619		
Difference (if positive)			
BEAM PENALTY (add to L)			0.000
Tumblehome Max. (2 x 2% of Extr. Beam)	0.145		
Extreme Beam	3.636		
Beam at deck	3.558		
Difference (if positive)	0.078		
TUMBLEHOME PENALTY (add to Rating)			0.000

Date and Place of Measurement	30/04/2021 Flensburg	16/08/2021 Helsinki
Measurer's Name(s)	Ken McAlpine	Signature

Design/Age Correction Factor Calculation			
Age Date	1939		
ADCF (Table E-2)	0.9625		
Hull Alteration Scope and Date			
Appendage Change Scope and Date			
Change/Alteration Correction ADCF			
Accommodation Deficiency Ballast	55 kg		

Yacht's name : JENETTA

Date

16/08/2021

SAIL PLAN

Max Height of Sail Plan =	<input type="text" value="25.000"/>	J=	<input type="text" value="7.370"/>	I =	<input type="text" value="18.745"/>
Boom above Mast Datum =	<input type="text" value="1.325"/>	P=	<input type="text" value="23.675"/>	E=	<input type="text" value="9.975"/>
Rated Mainsail Area	<input type="text" value="118.079"/>	Spi boom=	<input type="text" value="7.430"/>	√S=	<input type="text" value="13.314"/>
J used for Rating	<input type="text" value="7.430"/>				
Rated Foretriangle Area	<input type="text" value="59.192"/>	Propeller allowance		<input type="text" value="1.000"/>	
TOTAL RATED SAIL AREA (S)	<input type="text" value="177.271"/>	Corrected sail area		<input type="text" value="177.271"/>	

SAIL LIMITS

Mainsail max girth:	1/2 height (68% of E)	<input type="text" value="6.783"/>	3/4 height (41% of E)	<input type="text" value="4.090"/>
Genoa:	max. foot length (J + 4.8m)	<input type="text" value="12.170"/>		
Spinnaker:	1/2 foot max breadth (125% J)	<input type="text" value="9.288"/>	max. luff length=	<input type="text" value="18.631"/>

Spar Measurement

MAST (material)	<input type="text" value="wood"/>	Mast Weight	<input type="text" value="553"/>	CG pos.	<input type="text" value="10.301"/>
Mast dimensions [mm]	Deck <input type="text" value="320*241"/>	Half-Height <input type="text" value="351*254"/>	Jib-Halyard <input type="text" value="292*223"/>	Head <input type="text" value="198*148"/>	
Sections area [cm ²]	<input type="text" value="605"/>	<input type="text" value="700"/>	<input type="text" value="511"/>	<input type="text" value="230"/>	
Mast CG Correction (if applicable) Wt & CG	<input type="text"/>		Mk ²	<input type="text"/>	

Engine/Propeller Installation

Engine and propeller weight	<input type="text" value="n/a"/>	Propeller diameter =	<input type="text" value="-"/>
Minimum boat speed with engine	<input type="text" value="-"/>	Propeller position =	<input type="text" value="-"/>
Propeller Type (folding feathering fixed pitch etc.), no of blades		<input type="text" value="-"/>	<input type="text" value="-"/>
Propeller Skew		<input type="text" value="-"/>	<input type="text" value="-"/>

Flotation

- 1 35 kg accommodation compensation ballast to account for partly missing bulkheads
- 2 20 kg accommodation compensation ballast to account for missing lockers
- 3 Water tank was filled with 115 l when the yacht was presented for measurement
- 4 No internal ballast

Measurer's Notes

- 1 Rated freeboard is one third of the sum of the mean freeboards as per 1933 rule
- 2 ADCF set to the value of 0.9625 as per owner's instruction

Date and Place of Measurement

30/04/2021 Flensburg

16/08/2021 Helsinki

Measurer's Name(s)

Mc Alpine

