



INTERNATIONAL TWELVE METRE CLASS

Yacht's Name Kookaburra II

National letters and Sail Number KA 12 Club Y.C. Italiano

Designer Murray-Swarbrick

Builder Parry Boatbuilders Building Year 1986

Owner Peschiera Immobiliare s.r.l

Owner's Address Via de Mannini 2 Arezzo Italy

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: 21-Dec-21

Measurer Williams Signature Ander

Valid until 21-Dec-23

Supersedes 21-Apr-19

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

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

Hull Scanned Y



Signature [Signature]
ITMA Technical Director

Stamp of Authority of the International Twelve Metre Association

RATING CALCULATION

OVERALL LENGTH		20.264
Overhang Forward to FGS	2.074	
Overhang Aft to AGS	3.152	
Total Overhang (Subtract)	5.226	
MEASURED LENGTH (LBG)		15.038
Girth at Bow	1.638	
Twice vertical Height at Bow (Subtract)	1.200	
Girth Difference at FGS	0.438	
Add 1.5 x Girth Difference at FGS (min 0.540 m)	0.657	
Girth at Stern	3.545	
Twice vertical Height at Stern (Subtract)	1.856	
Girth Difference at AGS	1.689	
Add 1/3 Girth Difference at AGS (min 0.400 m)	0.563	
Add any penalty (Beam or Displacement)		
Sum of Length and Girth Corrections		16.258
Age/Design Correction Factor (ADCF)(see page 3)	1.0000	
LENGTH (L)		16.258
Skin IM to d1 Port	2.246	
Chain IM to d1 Port	2.219	
d Port	0.027	
Skin IM to d1 Starboard	2.248	
Chain IM to d1 Starboard	2.223	
d Starboard	0.025	
Add d	0.052	
Add GIRTH 2 d		0.104
	Datum Sta.	Actual Sta.
Mean Freeboard Bow		1.340
Mean Freeboard Midship		1.111
Mean Freeboard Stern		1.108
Sum of Freeboards		3.557
Subtract FREEBOARD, F		1.179
Add SAIL AREAS (Square root)		13.252
TOTAL OF MEASUREMENTS		28.436
PENALTY (Draft or Tumblehome)		0.000
RATING		11.998

Date and Place of Measurement	21-Dec-21
Measurer's Name(s)	Williams Signature <i>Anden</i>

Yacht's name : Kookaburra II		Date	21-Dec-21
Range Measurement (Yes or No)	Yes	Date:	April 2017

PENALTIES

Overhang Forward to MWL	2.810		
Overhang Aft to MWL	3.777		
Subtract from overall length	6.587		
Difference of immersion from salt to fresh water	Meas. Density		1.025
WATERLINE LENGTH (LWL)			13.677
Minimum Displacement for Zero Penalty [m3]	24.022		
Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)	24.623		
WEIGHT [tonne] Actual weight			24.813
Equivalent LWL (for Displ. < min.)	13.714		
Difference	0.037		
DISPLACEMENT PENALTY (add to L)			0.000
Displacement Determination Method	Hull Scan		
DRAFT (actual)	2.677		
Max. Draft for Zero Penalty	2.688		
Difference (if positive)			
DRAFT PENALTY (add to Rating)	Appendix E		0.000
BEAM (Min)	3.733		
Max Beam at 1/3 of Midship Freeboard	0.000		
Difference (if positive)	0.000		
BEAM PENALTY (add to L)			0.000
Tumblehome Max. (2 x 2% of Extr. Beam)	0.000		
Extreme Beam	3.733		
Beam at deck	3.733		
Difference (if positive)	0.000		
TUMBLEHOME PENALTY (add to Rating)			0.000

Date and Place of Measurement	21-Dec-21	
Measurer's Name(s)	Williams	Signature <i>Anders</i>

Design/Age Correction Factor Calculation			
Age Date	1986		
ADCF (Table E-2)	1.0000		
Hull Alteration Scope and Date			
Appendage Change Scope and Date			
Change/Alteration Correction ADCF			
Accommodation Deficiency Ballast			

Yacht's name : Kookaburra II

Date

21-Dec-21

SAIL PLAN

Max Height of Sail Plan =	<input type="text" value="25.000"/>	J=	<input type="text" value="7.620"/>	I =	<input type="text" value="18.750"/>
Boom above Mast Datum =	<input type="text" value="1.550"/>	P=	<input type="text" value="23.450"/>	E=	<input type="text" value="9.800"/>
Rated Mainsail Area	<input type="text" value="114.905"/>	Spi boom=	<input type="text" value="7.620"/>	√S=	<input type="text" value="13.252"/>
J used for Rating			<input type="text" value="7.620"/>		
Rated Foretriangle Area	<input type="text" value="60.722"/>	Propeller allowance			<input type="text" value="1.000"/>
TOTAL RATED SAIL AREA (S)	<input type="text" value="175.627"/>	Corrected sail area			<input type="text" value="175.627"/>

SAIL LIMITS

Mainsail max girth:	1/2 height (68% of E)	<input type="text" value="6.664"/>	3/4 height (41% of E)	<input type="text" value="4.018"/>
Genoa:	max. foot length (J + 4.8m)	<input type="text" value="12.420"/>		
Spinnaker:	1/2 foot max breadth (125% J)	<input type="text" value="9.525"/>	max. luff length=	<input type="text" value="18.691"/>

Spar Measurement

MAST (material)	<input type="text" value="Aluminium"/>	Mast Weight	<input type="text" value="455"/>	CG pos.	<input type="text" value="9.503"/>
	Deck	Half-Height	Jib-Halyard	Head	
Mast dimensions [mm]	<input type="text" value="352 x 249"/>	<input type="text" value="350 x 250"/>	<input type="text" value="282 x 204"/>	<input type="text" value="170 x 126"/>	
Sections area [cm ²]	<input type="text" value="688"/>	<input type="text" value="688"/>	<input type="text" value="441"/>	<input type="text" value="166"/>	
Mast CG Correction (if applicable) Wt & CG	<input type="text" value="@"/>		Mk ²	<input type="text" value=""/>	

Engine/Propeller Installation

Engine and propeller weight	<input type="text" value="None"/>	Propeller diameter =	<input type="text" value="None"/>
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

Internal Ballast	Amount	Location aft of bow
8 Bars	197	9.79
12 Bars	440	10.19
2 Bars	106	10.59

Measurer's Notes

- 1 New Keel 2021
- 2 Rudder Stock moved forward of 1987 position
- 3
- 4
- 5

Date and Place of Measurement

21-Dec-21

Measurer's Name(s)

Williams

Signature

