



# 12

## INTERNATIONAL TWELVE METRE CLASS

Yacht's Name KOOKABURRA III

National letters and Sail Number KA 15 Club Yacht Club St Tropez

Designer Murray/Swarbrick

Builder Parry Boat Builders Building Year 1986

Owner's Maurizio Vecchiola

Owner's Address Via San Gabriele 96, 62010 Morrovalle (MC), Italy

Lloyds R class certificate (Number or Date) Lloyds

### 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 19 August 2008

Measurer G. R. Perrin Signature 

Valid until 19 August 2010

Supersedes 14 January 1987



Signature   
ITMA Technical Director

Stamp of Authority of the  
International Twelve Metre Association

### CERTIFICATE REVALIDATION

This yacht has been declared to be unchanged from her previous certificate. This certificate is subject to a successful flotation and rig measurement being carried out by a class approved measurer prior to racing. Accordingly this certificate has been revalidated and remains valid until January 18, 2018.

Signature   
ITMA Technical Director

January 18, 2016

# RATING CALCULATION

<b>OVERALL LENGTH</b>			<b>20.206</b>
Overhang Forward to L1		2.184	
Overhang Aft to L1		3.005	
Total Overhang (Subtract)		5.189	
<b>MEASURED LENGTH (L1 L1)</b>			<b>15.017</b>
Girth at Bow		1.687	
Twice vertical Height at Bow (Subtract)		1.200	
O at Bow		0.487	
Add 1 1/2 O at Bow (min 0.540 m)		<b>0.731</b>	
Girth at Stern		3.462	
Twice vertical Height at Stern (Subtract)		1.706	
O at Stern		1.756	
Add 1/3 O at Stern (min 0.400 m)		<b>0.585</b>	
Add any penalty (Beam)		<b>0.000</b>	
Sum of Length and Girth Corrections			<b>16.333</b>
Age Date and Allowance	1986	Allowance	1.000
<b>CORRECT LENGTH L</b>			<b>16.333</b>
Skin d to d1 Port		3.335	
Chain d to d1 Port		3.330	
d Port		0.005	
Skin d to d1 Starboard		3.342	
Chain d to d1 Starboard		3.335	
d Starboard		0.007	
Add d		0.012	
<b>Add GIRTH 2 d</b>			<b>0.024</b>
Mean Freeboard Bow O	Actual	1.387	1.387
Mean Freeboard Midship d	Actual	1.109	1.109
Mean Freeboard Stern O	Actual	1.033	1.033
Sum of Freeboards			3.529
<b>Subtract FREEBOARD, F</b>			<b>1.165</b>
<b>Add SAIL AREAS (Square root)</b>			<b>13.248</b>
<b>TOTAL OF MEASUREMENTS</b>			<b>28.440</b>
PENALTY (Draught)			0.000
<b>RATING</b>			<b>12.000</b>

Date and place of Measurement

19-Aug-08 Rosignano

Measurer's Name(s)

G. R. Perrin

Signature



**PENALTIES**

Overhang Forward to L	2.825	
Overhang Aft to L	3.667	
Subtract from overall length	6.492	
Difference of imersion from salt to fresh water		

**WATERLINE LENGTH**

Minimum Displacement for Zero Penalty [m3]	24.208	13.714
Minimum Weight for Zero Penalty [tonnes] (Water of sg 1.025)	24.813	

**WEIGHT [tonnes]**

Equivalent LWL (for Displ. < min.)		24.880
Difference		
DISPLACEMENT PENALTY (add to L)		0.000

**DRAUGHT (actual)**

Max. Draught for Zero Penalty	2.682	
Difference (if positive)	2.694	
DRAUGHT PENALTY (add to Rating)		0.000

**BEAM (Min)**

Max Beam at 1/3 of Midship Freeboard	3.600	
Difference (if positive)	4.005	
BEAM PENALTY (add to L)	0.000	0.000
Tumblehome Max. (2 x 2% of Extr. Beam)	0.160	
Extreme Beam	4.005	
Beam at deck	4.005	
Difference (if positive)	0.000	
TUMBLEHOME PENALTY (add to Rating)		0.000

Date and place of Measurement

19-Aug-08

Measurer's Name(s)

G. R. Perrin

Signature



## SAIL PLAN

Max Height of Sail Plan =	25.000	J=	7.620	I =	18.750
Boom Height =	1.550	A=	23.450	B=	9.790
Rated Mainsail Area	114.788	Spi boom=	7.620	/-	13.248
Rated Foretriangle Area	60.722	Propeller allowance	1.000		
<b>TOTAL RATED SAIL AREA</b>	<b>175.510</b>	Corrected sail area	<b>175.510</b>		

### SAIL LIMITS

Mainsail max girth:	1/2 height (68%)	6.657	3/4 height (41%)	4.014
Genoa:	max. foot length (J + 4.8m)	12.420		
Spinnaker:	1/2 foot max breadth (125% J)	9.525	max. luff length=	18.691

## Spar Measurement

MAST (material)	Aluminium	Mast Weight	504	CG pos.	ok
	Deck	Half-Height	Jib-Halyard	Head	
Mast dimensions [mm]	260 x 350	260 x 350		165 x 125	
Sections area [cm <sup>2</sup> ]					

## Engine/Propeller Installation

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

## Flotation

Internal Ballast	Nil
Flotation Salinity	1.007
Difference in Immersion from standard salt water	0.0126 m

## Measurer's Notes

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Date of Measurement	19/08/2008	Measurer's Name(s)	G.R.Perrin
Place of Measurement	Antibes		
Measurer's signature		Technical Director approval	