

12



INTERNATIONAL TWELVE METRE CLASS

Yacht's Name Kiwi Magic

National letters and Sail Number KZ 7 Club Yacht Club

Designer Farr / Holland / Davidson

Builder Marten Marine Building Year 1986

Owner J. Blach Petersen: Business Development A/S


Owner's Address Strandvejen 112
8000 Århus, Denmark

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: 17. Sep 12

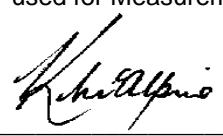
Measurer McAlpine/Brink Signature 


Valid until 17. Sep 14

Supersedes 17. Aug 09

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

PROVISIONAL CERTIFICATE REVALIDATION

This yacht has been declared by the Owner to be unchanged from her previous revalidated certificate dated September 17, 2012.

Accordingly this certificate has been revalidated and remains valid until Jan 23, 2025 subject to a successful flotation being carried out by a class measurer prior to racing.

Signature  Jan 23, 2023
K.-E. Brink on behalf of ITMA Technical Director

Yacht's name : *Kiwi Magic*

Date

17. Sep 12

RATING CALCULATION

OVERALL LENGTH

19.415

Overhang Forward to FGS
 Overhang Aft to AGS
 Total Overhang (Subtract)

2.171
2.020
4.191

MEASURED LENGTH (L_{BG})

15.224

Girth at Bow
 Twice vertical Height at Bow (Subtract)
 Girth Difference at FGS
 Add 1.5 Girth Difference at FGS (min 0.540 m)
 Girth at Stern
 Twice vertical Height at Stern (Subtract)
 Girth Difference at AGS
 Add 1/3 Girth Difference at AGS (min 0.400 m)
 Add any penalty (Beam or Displacement)
 Sum of Length and Girth Corrections
 Age/Date Correction Factor (ADCF)(see page 3)

1.701
1.200
0.501
0.752
3.362
1.886
1.476
0.492
0.000

1.0000

16.468

LENGTH (L)

16.468

Skin IM to d1 Port
 Chain IM to d1 Port
 d Port
 Skin IM to d1 Starboard
 Chain IM to d1 Starboard
 d Starboard
 Add d

3.254
3.247
0.007
3.253
3.246
0.007
0.014

Add GIRTH 2 d

0.028

Mean Freeboard Bow
 Mean Freeboard Midship
 Mean Freeboard Stern
 Sum of Freeboards

Datum Sta.	Actual Sta.	Rating FB
	1.351	1.351
	1.119	1.119
	1.123	1.123
		3.593

Subtract FREEBOARD, F

See Notes

1.198

Add SAIL AREAS (Square root)

13.039

TOTAL OF MEASUREMENTS

28.336

PENALTY (Draft or Tumblehome)

0.000

RATING

11.956

Date and Place of Measurement

09. Jun 18 Glücksburg

Measurer's Name(s)

McAlpine/Brink


Signature



Yacht's name : Kiwi Magic		Date	17. Sep 12
Range Measurement (Yes or No)	N	Date:	09. Jun 18

PENALTIES

Overhang Forward to MWL	2.775	
Overhang Aft to MWL	2.956	
Subtract from overall length	5.731	
Difference of immersion from salt to fresh water	Meas. Density	
WATERLINE LENGTH (LWL)		13.684
Minimum Displacement for Zero Penalty [m3]	24.057	
Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)	24.659	
WEIGHT [tonne] Actual weight		25.090
Equivalent LWL (for Displ. < min.)	13.768	
Difference	0.084	
DISPLACEMENT PENALTY (add to L)		0.000
Displacement Determination Method		
DRAFT (actual)	2.687	
Max. Draft for Zero Penalty	2.689	
Difference (if positive)		
DRAFT PENALTY (add to Rating)		0.000
BEAM (Min)	3.600	
Max Beam at 1/3 of Midship Freeboard	3.630	
Difference (if positive)		
BEAM PENALTY (add to L)		0.000
Tumblehome Max. (2 x 2% of Extr. Beam)	0.000	
Extreme Beam	0.000	
Beam at deck	0.000	
Difference (if positive)	0.000	
TUMBLEHOME PENALTY (add to Rating)		0.000

Date and Place of Measurement	09. Jun 18 Glücksburg	
Measurer's Name(s)	McAlpine/Brink	Signature

Design/Age Correction Factor Calculation		
Age Date	1986	
ADCF (Table E-2)	1	
Hull Alteration Scope and Date		
Appendage Change Scope and Date		
Change/Alteration Correction ADCF		
Accommodation Deficiency Ballast	none	

Yacht's name : *Kiwi Magic*

Date

17. Sep 12

SAIL PLAN

Max Height of Sail Plan = J= I =
 Boom above Mast Datum = P= E=
 Rated Mainsail Area Spi boom= \sqrt{S} =
 J used for Rating
 Rated Foretriangle Area Propeller allowance
 TOTAL RATED SAIL AREA (S) Corrected sail area

SAIL LIMITS

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

Spar Measurement

MAST (material) Mast Weight CG pos.
 Deck Half-Height Jib-Halyard Head
 Mast dimensions [mm]
 Sections area [cm²]
 Mast CG Correction (if applicable) Wt & CG Mk²

Engine/Propeller Installation

Engine and propeller weight Propeller diameter =
 Minimum boat speed with engine Propeller position =
 Propeller Type (folding feathering fixed pitch etc.), no of blades
 Propeller Skew

Flotation

Internal Ballast	Amount	Location from Bow
Lead Pigs	604 kg	11.05 m
Lead Pigs	1276 kg	12.71 m
Lead Pigs	160 kg	13.95 m

Measurer's Notes

- 1 New Keel 2005
- 2 New Bow 2007
- 3 New Keel 2008
- 4 Motor with strut drive added 2017

Date and Place of Measurement

09. Jun 18 Glücksburg

Measurer's Name(s)

McAlpine/Brink