

12 INTERNATIONAL TWELVE METRE CLASS

Yacht's Name		THEA			
National letters and Sail Number	CI	ub Kongelig Dansk Yachtklub			
Designer	Johan Anker				
Builder	Anker & Jensen	Year Built 1918			
Owner	Hans Michael Jeb	Hans Michael Jebsen			
Owner's Address	c/o Capemille Aps	c/o Capemille Aps, Kvæsthusgade 1, 1251 Kopenhagen			
Lloyds R class certificate (Number o	r Date)				
APPEN	IDIX E - RATING CI	ERTIFICATE			
-	by measurer(s) appointed by the been found to rate not more that	ne International Twelve Metre Association an 12.000 metres.			
This certificate is dated	December 20, 2017	The his			
Measurer	KE. Brink	Signature			
Valid until	December 19, 2019	M. A.			
Supersedes	August 3, 2013	World			
Khillen	0	INTERNATIONAL TWELVE METRE ASSOCIATION			
Signature		Stamp of Authority of the			

Yacht's name	: THEA			D1	Dec 20, 2017	
RATING CALCULATION						
OVERALL LENGTH					20.063	
Overhang Forward to L1				2.673	•	
Overhang Aft to L1				2.972		
Total Overhang (Subtract)				5.645		
MEASURED LENGTH (L1 L1)					14.418	
Girth at Bow				1.694	•	
Twice vertical Height at Bow (Subtract)				1.200		
O at Bow				0.494		
Add 1 1/2 O at Bow (min 0.540 m)				0.741		
Girth at Stern				3.123		
Twice vertical Height at Stern (Subtrac	t)			1.584		
O at Stern				1.539		
Add 1/3 O at Stern (min 0.400 m)				0.513		
Add any penalty (Beam)				0.000		
Sum of Length and Girth Corrections		_			15.672	
Age Date and Allowance	1918	Allowance	0.9469			
CORRECT LENGTH L				·	14.840	
Skin d to d1 Port				3.227		
Chain d to d1 Port				3.175		
d Port				0.052		
Skin d to d1 Starboard				3.230		
Chain d to d1 Starboard				3.176		
d Starboard				0.054		
Add d				0.106		
Add GIRTH 2 d					0.212	
Mean Freeboard Bow O		Actual	1.260	1.267		
Mean Freeboard Midship d		Actual	0.982	0.990		
Mean Freeboard Stern O		Actual	0.965	0.972		
Sum of Freeboards				3.229	_	
Subtract FREEBOARD, F				See Notes	1.076	
Add SAIL AREAS (Square root)					12.864	
TOTAL OF MEASUREMENTS					26.840	
PENALTY (Tumblehome)				0.199	<u>-</u>	
RATING					11.523	
Date and place of Measurement	December 20, 20	017		The		
Measurer's Name(s)	KE. Brink		Signature		-	

Yacht's name : THEA			D1	Dec 20, 2017	
PENALTIES					
OVERALL LENGTH				20.063	
Overhang Forward to L			3.508		
Overhang Aft to L			3.613		
Subtract from overall length			7.121		
Difference of imersion from salt to fresh water			0.008		
WATERLINE LENGTH				12.942	
Minimum Displacement for Zero Penalty [m3]			20.535		
Minimum Weight for Zero Penalty [tonnes] (Wa	ter of sg 1.025)		21.048		
ACTUAL WEIGHT [tonnes]				23.654	
Equivalent LWL (for Displ. < min.)			13.603		
Difference			0.661		
DISPLACEMENT PENALTY (add to L)				0.000	
DRAUGHT (actual)			2.563		
Max. Draught for Zero Penalty			2.571		
Difference (if positive)					
DRAUGHT PENALTY (add to Rating)				0.000	
BEAM (Min)			3.600		
Max Beam at 1/3 of Midship Freeboard			3.495		
Difference (if positive)			0.105		
BEAM PENALTY (add to L)				0.000	
Tumblehome Max. (2 x 2% of Extr. Beam)			0.140		
Extreme Beam			3.495		
Beam at deck			3.289		
Difference (if positive)			0.206		
TUMBLEHOME PENALTY (add to Rating)				0.199	
Date and place of Measurement December	20, 2017		,	. 0	
Measurer's Name(s) KE. E	Brink	Signature	They h		

	Yacht's name :	THEA			D1	Dec 20, 2017
		SAIL PL	.AN			
Max Height of Sail Plan =		24.206	J=	6.850	l=	18.747
Boom Height =		1.226	A=	22.980	B=	9.310
Rated Mainsail Area		106.972	Spi boom=	7.660	./e	12.864
Rated Foretriangle Area		61.031		peller allov		0.985
TOTAL RATED SAIL AREA		168.003	Co	rrected sai	l area	165.483
SAIL LIMITS						
Mainsail max girth:	1/2	height (68%)	6.331	3/4	height (41%)	3.817
Genoa:	max. foot lengt	th (J + 4.8m)	11.650			
Spinnaker:	1/2 foot max brea	ıdth (125% J)	9.575	ma	x. luff length=	18.701
	Spa	ar Measui	rement			
140T (-11-3-1)		الم ما		224	20	2 224
MAST (material)		Wood Deck	Mast Weight Half-Height	601 Jib-Halyard	CG pos. Head	9.624
Mast dimensions [mm]		325*251	334*244	270*208	183*156	
Sections area [cm ²]		640	640	441	224	
	Engine/	Propeller	Installa	tion		
Engine and propeller weight			Propeller d	iameter =	> 0.400	
Minimum boat speed with en	gine	> 7 kn	•		on centreline	
Engine model and power						
	Flotation					
1 Flotation measured on	the 29th of June 2	2017 in Glücks	burg, specif	ic seawate	er gravity 1.013	t/m ³
2 No internal Ballast						
Measurer's Notes						
1 Freeboard in Rating as per 1933-1970 Rule (Sum/3,Max 1.21)						
No beam penalty applied according to Appendix E						
3 Displacement volume derived by 3D hull scan						
4 Flotation Range Measurement was applied, hull marks valid for specific seawater gravity of 1.013 t/m³						
5 New wooden mast manufactured by Robbe & Berking Classics 2017						
Date and place of Measurement December 20, 2017 Measurer's Name(s) KE. Brink Signature						
Measurer's Name(s)		KE. Brink		Signature	, "	