



12

INTERNATIONAL TWELVE METRE CLASS

Yacht's Name AMERICA II

National letters and Sail Number US 46 Club Manhattan Sailing Club

Designer William Langham : Sparkman and Stephens

Builder Williams & Manchester Building Year 1986

Owner Michael W. Fortenbaugh

Owner's Address 385 South End Ave, #7G, New York, NY, USA

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 28-Apr-08

Measurer Williams

Signature *Ander*

Valid until 28-Apr-10

Supersedes 5-Aug-03

Signature *K. Hillario*
ITMA Technical Director



Stamp of Authority of the International Twelve Metre Association

RATING CALCULATION

OVERALL LENGTH				20.132
Overhang Forward to L1			2.245	
Overhang Aft to L1			2.564	
Total Overhang (Subtract)			4.809	
MEASURED LENGTH (L1 L1)				15.323
Girth at Bow			1.658	
Twice vertical Height at Bow (Subtract)			1.200	
O at Bow			0.458	
Add 1 1/2 O at Bow (min 0.540 m)			0.687	
Girth at Stern			3.366	
Twice vertical Height at Stern (Subtract)			1.764	
O at Stern			1.602	
Add 1/3 O at Stern (min 0.400 m)			0.534	
Add any penalty (Beam)			0.000	
Sum of Length and Girth Corrections				16.544
Age Date and Allowance	1986	Allowance	1.000	
CORRECT LENGTH L				16.544
Skin d to d1 Port			2.239	
Chain d to d1 Port			2.214	
d Port			0.025	
Skin d to d1 Starboard			2.237	
Chain d to d1 Starboard			2.215	
d Starboard			0.022	
Add d			0.047	
Add GIRTH 2 d				0.094
Mean Freeboard Bow O	Actual	1.343	1.343	
Mean Freeboard Midship d	Actual	1.074	1.074	
Mean Freeboard Stern O	Actual	1.062	1.062	
Sum of Freeboards			3.479	
Subtract FREEBOARD, F			See Notes	1.140
Add SAIL AREAS (Square root)				12.882
TOTAL OF MEASUREMENTS				28.380
<i>PENALTY (Draught)</i>			0.021	
RATING				11.996

Date and place of Measurement 28-Apr-08

Measurer's Name(s)

Williams

Signature



PENALTIES

Overhang Forward to L	3.046	
Overhang Aft to L	3.563	
Subtract from overall length	6.609	
Difference of imersion from salt to fresh water		

WATERLINE LENGTH

Minimum Displacement for Zero Penalty [m3]	23.261	13.523
Minimum Weight for Zero Penalty [tonnes] (Water of sg 1.025)	23.843	

WEIGHT [tonnes]

Equivalent LWL (for Displ. < min.)		24.100
Difference		
DISPLACEMENT PENALTY (add to L)		0.000

DRAUGHT (actual)

Max. Draught for Zero Penalty	2.671	
Difference (if positive)	2.664	
DRAUGHT PENALTY (add to Rating)	0.007	0.021

BEAM (Min)

Max Beam at 1/3 of Midship Freeboard	3.605	
Difference (if positive)	3.605	
BEAM PENALTY (add to L)	0.000	0.000
Tumblehome Max. (2 x 2% of Extr. Beam)	0.000	
Extreme Beam	3.608	
Beam at deck	3.608	
Difference (if positive)	0.000	
TUMBLEHOME PENALTY (add to Rating)		0.000

Date and place of Measurement

28-Apr-08

Measurer's Name(s)

Williams

Signature



SAIL PLAN

Max Height of Sail Plan =	25.000	J=	7.450	I =	18.750
Boom Height =	1.540	A=	23.460	B=	9.085
Rated Mainsail Area	106.567	Spi boom=	7.450	√S=	12.882
Rated Foretriangle Area	59.367	Propeller allowance	1.000		
TOTAL RATED SAIL AREA	165.934	Corrected sail area	165.934		

SAIL LIMITS

Mainsail max girth:	1/2 height (68%)	6.178	3/4 height (41%)	3.725
Genoa:	max. foot length (J + 4.8m)	12.250		
Spinnaker:	1/2 foot max breadth (125% J)	9.313	max. luff length=	18.641

Spar Measurement

MAST (material)	Aluminium	Mast Weight	457	CG pos.	9.590
Mast dimensions [mm]	Deck	Half-Height	Jib-Halyard	Head	
	352x244	351x244	280x196	175x122	
Sections area [cm ²]					
	674	672	431	168	

Engine/Propeller Installation

Engine and propeller weight	None	Propeller diameter =	None
Minimum boat speed with engine	NA	Propeller position =	None
Engine model and power	Yanmar		

Flotation

Internal Ballast	Nil

Measurer's Notes

Date and place of Measurement	28-Apr-08	
Measurer's Name(s)	Williams	Signature 