

IMHRR 2020

01 Jan2020

Boat Name	Boat design	Sail Number
FUJIN	BIEKER 53	None

Hull measurements			
DSPW	DSPWD	LOA	FOH
6744	0	16.36	1.36
FF	AOH	AF	OSB
0.55	0	0	6.7
TP	V	TH	
2 Folding	0.455	Catamaran	

Mast properties	
TPC	
Rotating	
PC	PCY
1	0

Mainsail measurements			
PU	PL (+/-)	E	MHB
18.875	0.776	7.45	3.105
MUW	MTW	MHW	MQW
3.27	4.47	5.8	6.64

Daggerboard and foil measurements			
TB	C-Foil		
BV1	BV2	BV3	BV4
2.58	2.58	0	0
BH1	BH2	BH3	BH4
1.27	1.27	0	0
BC1	BC2	BC3	BC4
0.79	0.79	0	0

Mizzen measurements			
PUY	PLY (+/-)	EY	MHBY
0	0	0	0
MUWY	MTWY	MHWY	MQWY
0	0	0	0

Spinnaker	
SLU	SLE
22.77	21
SFL	SHW
14.35	11.23

Headsail measurements		
IG	J	HLU
19.9	5.7	18.32
HHB	HUW	HTW
0.22	0.86	1.49
HMW	HQW	HLP
2.69	3.9	5.09

Screacher	
CLU	CLE
0	0
CFL	CHW
0	0

Hull calculations			
RD	DC	TPF	RL
7286.90	542.900	0.990	15.809
CCH	CCS	CCC	CCSC
0.965	0.969	0.968	0.971

Mainsail calculations			
MA	MER	MEF	RMA
104.840	1.889	0.811	94.835

Rated sail areas	
RSAH	RSAS
136.732	158.136
RSAC	RSASC
154.039	171.981

Daggerboard & foil calculations				
VA	BVA	BF	VF	BHA
0.933	4.076	1.137	1.031	2.007

Headsail calcs	
HA	HER
48.279	1.863
HEF	RHA
0.868	41.897

Stable wind speed		
WR	WH	WS
24411.11	364.80	15.901

Lift factor	
LH	LS
643.742	733.086
LC	LSC
716.012	790.725
LFH	LFS
1.023	1.027
LFC	LFSC
1.026	1.029

Mast calculations	
P	PY
19.651	0.000
PA	PAY
9.826	0.000

Spinnaker calculations		
SA	RSA	SMG%
216.187	21.404	0.783

Speed prediction	
VVH	VVS
13.035	13.910
VVC	VVSC
13.747	14.447

Mizzen calcs.	
MAY	RMAY
0.000	0.000

Screacher calculations		
CA	RCA	CMG%
96.459	17.306	0.422

For details of the abbreviations, please visit <http://www.imhrr.com/imhrr-details.php>

Standard IMHRR Rating			
Headsail TCF-H	Spinnaker TCF-S	Screacher TCF-C	Spi & Scr TCF-SC
1.267	1.352	1.336	1.404

Light Wind IMHRR Rating <12kts			
Headsail TCFL-H	Spinnaker TCFL-S	Screacher TCFL-C	Spi & Scr TCFL-SC
1.152	1.225	1.211	1.269