

# IMHRR 2018

27 Apr 2018

Boat Name	Boat design	Sail Number
SOPHIE	Lagoon 500	

Hull measurements					
DSPW	DSPWD	LOA	FOH	FF	AOH
0	17160	15.45	0.4	2.1	0.2
AF	OSB	TP	V	TH	
0.15	5.86	2 Folding	1.4	Catamaran	

Daggerboards and foils			
TB	None		
BV1	BV2	BV3	BV4
0	0	0	0
BH1	BH2	BH3	BH4
0	0	0	0
BC1	BC2	BC3	BC4
0	0	0	0

Mast properties	
TPC	
Fixed	
PC	PCY
0	0

Mainsail measurements				
PU	PL (+/-)	E	MHB	
20.15	0	7	2.1	
MUW	MTW	MHW	MQW	
2.91	3.6	4.79	5.78	

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

Headsail measurements		
IG	J	HLU
19.862	5.369	19.55
HHB	HUW	HTW
0	0	0
HMW	HQW	HLP
0	0	6.48

Spinnaker	
SLU	SLE
20.05	20.05
SFL	SHW
10.66	11.25

Screacher			
CLU	CLE	CFL	CHW
0	0	0	0

Board & foil calcs	
BVA	BF
0.000	0.600
VF	BHA
0.974	0.000

Mizzen calcs.	
MAY	RMA
0.000	0.000

Stable wind speed	
WR	WS
51808.2	25.340

Hull calculations		
RD	DC	TPF
17681.967	521.967	0.975
RL	CCH	CCS
15.109	0.950	0.951
CCC	CCSC	VA
0.950	0.951	0.974

Mast calculations		
P	PY	
20.150	0.000	
PA	PAY	
0.000	0.000	

Headsail calcs	
HA	HER
69.676	1.659
HEF	RHA
0.838	58.398

Speed prediction	
VVH	VVS
14.433	14.668
VVC	VVSC
14.433	14.668

Spinnaker calculations		
SA	RSA	SMG%
185.997	5.580	1.055

Mainsail calcs.	
MA	MER
94.453	1.928
MEF	RMA
0.816	77.054

Rated sail areas	
RSAH	RSAS
135.452	141.032
RSAC	RSASC
135.452	141.032

Lift factor	
LH	LFH
0.000	1.000
LS	LFS
0.000	1.000
LC	LFC
0.000	1.000
LSC	LFSC
0.000	1.000

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
<b>0.893</b>	<b>0.908</b>	<b>X</b>	<b>X</b>

Light IMHRR Rating <12kts			
Headsail TCFL-H	Spinnaker TCFL-S	Screacher TCFL-C	Spi & Scr TCFL-SC
<b>0.777</b>	<b>0.790</b>	<b>X</b>	<b>X</b>