

# IMHRR 2020

01 Jan 2020

Boat Name	Boat design	Sail Number
SPELLBOUND	R&C Leopard 45	None

Hull measurements			
DSPW	DSPWD	LOA	FOH
12138	0	13.57	0.4
FF	AOH	AF	OSB
1.55	0	0	5.5
TP	V	TH	
2 Folding	1.12	Catamaran	

Mast properties	
TPC	
Fixed	
PC	PCY
0	0

Mainsail measurements			
PU	PL (+/-)	E	MHB
17	0.8	6.7	1.64
MUW	MTW	MHW	MQW
1.185	2.15	5.2	5.8

Daggerboard and foil measurements			
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

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

Spinnaker	
SLU	SLE
17.2	15.35
SFL	SHW
10.65	10.6

Headsail measurements		
IG	J	HLU
17.15	4.92	16.88
HHB	HUW	HTW
0.05	0.76	1.6
HMW	HQW	HLP
3.34	4.94	6.47

Screacher	
CLU	CLE
0	0
CFL	CHW
0	0

Hull calculations			
RD	DC	TPF	RL
12603.01	465.015	0.990	13.240
CCH	CCS	CCC	CCSC
0.950	0.951	0.950	0.951

Mainsail calculations			
MA	MER	MEF	RMA
72.814	1.622	0.775	56.404

Rated sail areas	
RSAH	RSAS
98.828	103.458
RSAC	RSASC
98.828	103.458

Daggerboard & foil calculations				
VA	BVA	BF	VF	BHA
0.971	0.000	0.600	0.971	0.000

Headsail calcs	
HA	HER
54.452	1.301
HEF	RHA
0.779	42.424

Stable wind speed		
WR	WH	WS
34658.29	164.22	28.240

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

Mast calculations	
P	PY
17.800	0.000
PA	PAY
0.000	0.000

Spinnaker calculations		
SA	RSA	SMG%
143.898	4.630	0.995

Speed prediction	
VVH	VVS
13.180	13.434
VVC	VVSC
13.180	13.434

Mizzen calcs.	
MAY	RMAY
0.000	0.000

Screacher calculations		
CA	RCA	CMG%
0.000	0.000	0.500

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>0.833</b>	<b>0.849</b>	<b>X</b>	<b>X</b>

Light Wind IMHRR Rating <12kts			
Headsail TCFL-H	Spinnaker TCFL-S	Screacher TCFL-C	Spi & Scr TCFL-SC
<b>0.743</b>	<b>0.758</b>	<b>X</b>	<b>X</b>