

# IMHRR 2018

7 Mar 2018

Boat Name	Boat design	Sail Number
LUCKY 7	Corsair 750 Sprint Mk2	777

Hull measurements					
DSPW	DSPWD	LOA	FOH	FF	AOH
0	816	7.3	0	0	0
AF	OSB	TP	V	TH	
0	6.46	None	0.3	Trimaran	

Daggerboards and foils			
TB	Symmetric		
BV1	BV2	BV3	BV4
1.3	0	0	0
BH1	BH2	BH3	BH4
0	0	0	0
BC1	BC2	BC3	BC4
0.433	0	0	0

Mast properties	
TPC	
Fixed	
PC	PCY
0	0

Mainsail measurements			
PU	PL (+/-)	E	MHB
9.94	0	3.37	1.346
MUW	MTW	MHW	MQW
1.532	2.163	2.702	3.031

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

Headsail measurements		
IG	J	HLU
0		8.994
HHB	HUW	HTW
0.15	0.565	1.013
HMW	HQW	HLP
1.687	2.283	2.856

Spinnaker	
SLU	SLE
10.793	10.366
SFL	SHW
7.165	5.64

Screacher			
CLU	CLE	CFL	CHW
9.756	8.585	5.335	2.337

Board & foil calcs	
BVA	BF
0.563	0.6498498
VF	BHA
0.9808567	0.000

Mizzen calcs.	
MAY	RMAY
0.000	0.000

Stable wind speed	
WR	WS
3507.721	22.431

Hull calculations		
RD	DC	TPF
1085.982	269.982	1.000
RL	CCH	CCS
7.300	1.000	1.000
CCC	CCSC	VA
1.000	1.000	0.9453284

Mast calculations	
P	PY
9.940	0.000
PA	PAY
0.000	0.000

Headsail calcs	
HA	HER
14.168	1.737
HEF	RHA
0.850	12.039

Speed prediction	
VVH	VVS
12.163	12.801
VVC	VVSC
12.596	13.125

Spinnaker calculations		
SA	RSA	SMG%
52.413	4.572	0.787

Mainsail calcs.	
MA	MER
25.205	2.2193322
MEF	RMA
0.8510234	21.449818

Rated sail areas	
RSAH	RSAS
33.488	38.061
RSAC	RSASC
36.554	40.513

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

Screacher calculations		
CA	RCA	CMG%
22.442	3.065	0.438

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

Standard IMHRR Rating			
<b>Headsail</b>	<b>Spinnaker</b>	<b>Screacher</b>	<b>Spi &amp; Scr</b>
TCF-H	TCF-S	TCF-C	TCF-SC
<b>0.896</b>	<b>0.943</b>	<b>0.928</b>	<b>0.967</b>

Light IMHRR Rating <12kts			
<b>Headsail</b>	<b>Spinnaker</b>	<b>Screacher</b>	<b>Spi &amp; Scr</b>
TCFL-H	TCFL-S	TCFL-C	TCFL-SC
<b>0.961</b>	<b>1.012</b>	<b>0.995</b>	<b>1.037</b>