

# IMHRR 2020

01 Jan 2020

Boat Name	Boat design	Sail Number
RAYON VERT	Pulsar 50	17

Hull measurements			
DSPW	DSPWD	LOA	FOH
7900	0	15.24	0
FF	AOH	AF	OSB
1.7	0.2	1	11.6
TP	V	TH	
1 Folding	0.78	Trimaran	

Mast properties	
TPC	
Rotating	
PC	PCY
1.054	0

Mainsail measurements			
PU	PL (+/-)	E	MHB
21.75	0	7.08	2.5
MUW	MTW	MHW	MQW
3.85	5.14	6.15	6.662

Daggerboard and foil measurements			
TB	Asymmetric		
BV1	BV2	BV3	BV4
0.827	0.827	1.5	0
BH1	BH2	BH3	BH4
0.827	0.827	0	0
BC1	BC2	BC3	BC4
0.45	0.45	0.8	0

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

Spinnaker	
SLU	SLE
0	0
SFL	SHW
0	0

Headsail measurements		
IG	J	HLU
19.35	5.4	19.25
HHB	HUW	HTW
0.05	0.74	1.38
HMW	HQW	HLP
2.63	3.87	5.1

Screacher	
CLU	CLE
0	0
CFL	CHW
0	0

Hull calculations			
RD	DC	TPF	RL
8424.07	524.075	0.995	15.179
CCH	CCS	CCC	CCSC
1.000	1.000	1.000	1.000

Mainsail calculations			
MA	MER	MEF	RMA
123.741	2.469	0.879	120.186

Rated sail areas	
RSAH	RSAS
163.482	163.482
RSAC	RSASC
186.650	186.650

Daggerboard & foil calculations				
VA	BVA	BF	VF	BHA
0.953	1.944	0.600	1.003	0.744

Headsail calcs	
HA	HER
49.559	1.905
HEF	RHA
0.874	43.296

Stable wind speed		
WR	WH	WS
48859.63	437.40	20.545

Lift factor	
LH	LS
367.443	367.443
LC	LSC
409.615	409.615
LFH	LFS
1.011	1.011
LFC	LFSC
1.013	1.013

Mast calculations	
P	PY
21.750	0.000
PA	PAY
11.462	0.000

Spinnaker calculations		
SA	RSA	SMG%
0.000	0.000	0.750

Mizzen calcs.	
MAY	RMAY
0.000	0.000

Screacher calculations		
CA	RCA	CMG%
189.956	23.168	0.657

Speed prediction	
VVH	VVS
16.170	16.170
VVC	VVSC
17.073	17.073

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>1.297</b>	<b>X</b>	<b>1.369</b>	<b>X</b>

Light Wind IMHRR Rating <12kts			
Headsail TCFL-H	Spinnaker TCFL-S	Screacher TCFL-C	Spi & Scr TCFL-SC
<b>1.180</b>	<b>X</b>	<b>1.244</b>	<b>X</b>