

## 2012 Vic-Maui Race Handicap Certificate

Boat Radiance Vic-Maui Handicap: 102 sec/mi.  
 Type Beneteau First 456  
 Sail # 93093  
 Issue date of this certificate: June 15, 2012 rev. # : 2

### Compliance

I have read and understand my responsibilities with respect to maintaining my boat in compliance with this handicap certificate. I have reviewed the dimensions as submitted below and confirm that they are correct.

Owner's signature:  Date:   
 Owner/charterer: Mark Ward

### Dimensions as submitted:

main	foretriangle	spinnaker	hull	propellor
P 52.122	I 59.62	Sym <input checked="" type="checkbox"/>	LOA 45.50	blades 3
E 16.46	J 18.14	SPL 17.50	LWL 38.40	exposd <input checked="" type="checkbox"/>
HB 0.44	LP 23.08	LLS 58.67	Bm 14.10	in app <input checked="" type="checkbox"/>
MGU 7.50	LLJ 57.42	G* 42.25	Dr 7.87	fldg <input checked="" type="checkbox"/>
MGM 10.50		Asym <input checked="" type="checkbox"/>	Displ 28400	fthrg <input checked="" type="checkbox"/>
Launch date 1985		Sprit 0.00	Ballast 10340	solid <input checked="" type="checkbox"/>
Design Date 1982		SLU 0.00		
Keel type fin		SLE 0.00		
		SGF 0.00		

### VM factors

Disp/Length	196	0.970				3.013%
Sail Area/Disp	29	0.987				1.264%
Sail Area/WS	3.64	0.994				0.602%
Keel & Rudder	fin	0.995	ratio	0.199		0.491%
Age Date	1983	0.989				1.095%
Total VM factor =						6.5%

Vic-Maui VPP 530.6 sec/mi 38.0 Feet  
 V M Handicap correction 11.9 sec/mi 35.5 Feet  
 VM constant -440 sec/mi

Vic-Maui Handicap: 102 sec/mi

True wind angle	True wind speed						
	6	8	10	12	14	16	20
VMG Beating	1028.5	855.1	755.0	706.5	661.0	0.0	0.0
90	584.0	513.0	475.9	460.5	0.0	0.0	0.0
110	0.0	521.7	481.8	456.9	429.3	416.0	405.0
120	0.0	540.9	493.7	465.2	426.3	404.4	0.0
150	0.0	705.4	594.7	529.5	466.5	429.9	396.5
VMG Running	0.0	814.5	686.7	603.0	509.6	461.5	428.7

True wind angle	True wind speed						
	6.00	8.00	10.00	12.00	14.00	16.00	20.00
VMG Beating	1.0%	0.8%	0.8%	0.3%	0.3%	xxxxx	xxxxx
90	0.8%	3.3%	3.3%	0.8%	xxxxx	xxxxx	xxxxx
110	xxxxx	1.2%	2.2%	2.2%	2.2%	1.7%	1.5%
120	xxxxx	1.1%	2.2%	4.5%	2.2%	1.1%	xxxxx
150	xxxxx	5.4%	6.7%	6.7%	4.0%	1.3%	2.7%
VMG Running	xxxxx	1.9%	5.8%	5.8%	8.7%	9.9%	7.6%

True wind angle	True wind speed						
	6.00	8.00	10.00	12.00	14.00	16.00	20.00
VMG Beating	10.29	6.84	6.04	2.12	1.98	xxxxx	xxxxx
90	4.67	16.93	15.70	3.68	xxxxx	xxxxx	xxxxx
110	xxxxx	6.26	10.60	10.05	9.44	7.07	6.08
120	xxxxx	5.95	10.86	20.93	9.38	4.45	xxxxx
150	xxxxx	38.09	39.84	35.48	18.66	5.59	10.71
VMG Running	xxxxx	15.48	39.83	34.98	44.33	45.69	32.58

True wind angle	True wind speed						
	6	8	10	12	14	16	20
VMG Beating	3.50	4.21	4.77	5.10	5.45	xxxxx	xxxxx
90	6.16	7.02	7.57	7.82	xxxxx	xxxxx	xxxxx
110	xxxxx	6.90	7.47	7.88	8.39	8.65	8.89
120	xxxxx	6.66	7.29	7.74	8.44	8.90	xxxxx
150	xxxxx	5.10	6.05	6.80	7.72	8.37	9.08
VMG Running	xxxxx	4.42	5.24	5.97	7.06	7.80	8.40